



Rider's Manual
2009

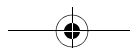


For your nearest Victory dealer, call 1-800-POLARIS
or visit www.polarisindustries.com
Polaris Sales Inc.,
2100 Hwy. 55, Medina, MN 55340
Phone 1-888-704-5290
Part No. 9921967 Rev 03
Printed in USA



California Proposition 65 Warning

This product contains or emits
chemicals known to the state of
California to cause cancer and birth
defects or other reproductive harm.





INTRODUCTION



2009 VICTORY VISION[®] RIDER'S MANUAL

Copyright© 2008 Polaris Sales Inc. All Rights Reserved.

P/N 9921967
Printed in U.S.A.

1



INTRODUCTION

General Information

All information contained within this publication is based on the latest product information available at the time of publication. Product improvements or other changes may result in differences between this manual and the motorcycle. Depictions and/or procedures in this publication are intended for reference use only.

No liability can be accepted for omissions or inaccuracies. Polaris Industries reserves the right to make changes at any time, without notice and without incurring obligation to make the same or similar changes to motorcycles previously built. Any reprinting or reuse of the depictions and/or procedures contained within, whether whole or in part, is expressly prohibited.

All reference to RIGHT, LEFT, FRONT, REAR are from the operator's perspective seated in a normal riding position.

Features of VICTORY Motorcycles are covered by U.S. Patent Nos: 6,976,691; 6,407,663; D489670; D482311; D482304; D481980; D481973; D474142.

INTRODUCTION

Trademarks

The following are registered trademarks of Polaris Industries Inc.

POLARIS®

POLARIS THE WAY OUT®

VICTORY®

VICTORY MOTORCYCLES®

VICTORY VISION®

FREEDOM®

DUNLOP is a registered trademark of Dunlop Tire Corporation.

LOCTITE is a trademark of Henkel Corporation.

XM and its corresponding logos are trademarks of XM Radio Inc.

iPod is a registered trademark of Apple Inc.

INTRODUCTION

Before You Ride

Read your Rider's Manual

This *Rider's Manual* contains information that is essential to safe riding and proper maintenance of your VICTORY VISION motorcycle. Anyone who uses the motorcycle (operators and passengers) must read the *Rider's Manual* before riding. Carefully read and understand the information found in the *Safety* section. Understand and follow the procedures outlined in the *Maintenance* section to keep your VICTORY motorcycle in top condition on the road or in storage. Bring the manual with you when you ride. Following the precautions and procedures in the manual will add to your enjoyment and help keep you riding safely. If you lose or damage this manual, you can purchase a new one through any authorized VICTORY dealer. The *Rider's Manual* should be considered part of the motorcycle and remain with it if sold.

WARNING

Failure to follow the safety precautions and operation and maintenance procedures outlined in this manual could result in death or injury (to you or your passenger) or damage to the motorcycle.

TABLE OF CONTENTS

BEFORE YOU RIDE	4
SAFETY	7-36
REPORTING SAFETY DEFECTS	35
IDENTIFICATION / COMPONENT LOCATION	37-46
INSTRUMENTS, FEATURES & CONTROLS	47-84
PRE-RIDE CHECKS	85-106
OPERATION	107-128
MAINTENANCE	129-206
CLEANING	207-216
STORAGE	217-224
WARRANTY	225-238

TABLE OF CONTENTS

SPECIFICATIONS 239-250

AUDIO

SYSTEM OVERVIEW 251-258

FEATURES 259-276

CB RADIO - ICOM 277-292

AUX - iPod® 293-298

XM RADIO 299-302

CD CHANGER 303-306

INDEX 307-320

Safety Symbols and Terms

Symbols And Terms Used In This Manual

The following safety signal words and symbols appear throughout the *Rider's Manual*. Your safety and the safety of others are involved when these words and symbols are used. Become familiar with their meanings before reading the manual.

WARNING

Indicates a hazardous situation, which, if not avoided, could result in death or serious injury.

CAUTION

Indicates a hazardous situation, which, if not avoided, could result in minor or moderate injury.

NOTICE: Indicates a situation, which, if not avoided, could result in damage to the motorcycle.

SAFETY

Safe Riding Practices

WARNING

Improper use of this motorcycle can result in serious injury or death to you, your passenger and others. To minimize the risk of injury, read and understand the information contained in this section before operating the motorcycle. This section contains safety information specific to the VICTORY motorcycle, as well as information about general motorcycle safety. Anyone who uses the motorcycle (operators and passengers) must follow these safety precautions.

WARNING

Motorcycling has inherent risks. You can minimize those risks, but you can't eliminate them completely. Even if you're an experienced motorcycle operator or passenger, read all of the information in this safety section before operating the motorcycle.

SAFETY

Safety

Safe Riding Practices

- **Your ability to safely operate the motorcycle depends on your judgment and your use of safe riding habits. Take a rider education course from the Motorcycle Safety Foundation or another qualified instructor. The course will help you develop or refresh your expertise in safe riding habits through instruction and riding. For information on Motorcycle Safety Foundation rider education courses in your area, call 1-800-446-9227 or visit their home page at <http://www.msf-usa.org>.**
- **Read and understand all information in this *Rider's Manual*. It contains safety information specific to individual components and operations.**
- **Pay close attention to the motorcycle maintenance requirements in this manual. For additional information or assistance with technical services specified in the manual or required by mechanical circumstances, see the VICTORY service manual or your authorized VICTORY dealer.**

SAFETY

Safe Riding Practices

The following design characteristics affect how you should ride the VICTORY motorcycle.

- **The motorcycle is designed for on-road use with one rider and one passenger. Do not exceed the Gross Vehicle Weight rating. See loading examples beginning on page 28 or the Manufacturer's label located under the rear panel on the console which contains the Vehicle Identification Number (VIN), Gross Vehicle Weight Rating (GVWR) and GAWR (Gross Axle Weight Rating) information.**
Riding off-road, riding with more than one passenger, or carrying weight exceeding the maximum weight rating can make handling difficult, which could cause loss of control.
- **In the first 500 miles, operate the motorcycle according to the break-in procedures beginning on page 108. Operating the motorcycle without following break-in procedures can result in serious engine damage.**
- **Some VICTORY models include saddlebags, a windshield, or a touring trunk as standard equipment. To maintain stability, load cargo properly as described in this *Rider's Manual* and be prepared to reduce the operating speed of motorcycles equipped with these items as original equipment or as accessories.**

Safe Riding Practices

Follow these general safe riding practices:

- **Before each ride, make the checks described in the Pre-Ride Checks section beginning on page 85. Operating the motorcycle without completing the pre-ride check may cause damage to the motorcycle or result in an accident.**
- **Until you're thoroughly familiar with the VICTORY motorcycle and all of its controls, practice riding where there is little or no traffic. Practice riding at a moderate speed on varying road surfaces and under varying weather conditions.**
- **Know your skills and limits, and ride within them.**
- **Allow only licensed, experienced operators to ride your motorcycle, and then only after they have read this manual and become familiar with its controls and operation.**
- **Do not ride when you're fatigued or under the influence of alcohol, prescription drugs, over-the-counter drugs or any other drugs. Fatigue, alcohol and drugs can cause drowsiness, loss of coordination and loss of balance. They can also affect your awareness and judgment.**
- **If your motorcycle operates abnormally, correct the problem immediately (see the VICTORY service manual or contact your authorized VICTORY dealer).**

SAFETY

Safe Riding Practices

- **The most common cause of accidents involving a motorcycle and an automobile is the automobile driver's failure to see the motorcycle. Ride defensively, as if you are invisible to other motorists, even in broad daylight. Ride where you're clearly visible to other motorists, and observe their behavior carefully, as they may not see or be aware of you.**
- **Be especially cautious at intersections, as these are the most likely places for an accident.**
- **To prevent loss of control while operating the motorcycle, keep your hands on the handlebars and your feet on the footrests whenever the motorcycle is moving.**
- **Obey the speed limit and adjust your speed and riding technique based on road, weather and traffic conditions. As you travel faster, the influence of all other conditions increases, which can affect the motorcycle's stability and increase the possibility of losing control.**
- **Do not move or operate the motorcycle with the steering locked, as the severely restricted steering could result in loss of control.**

Safe Riding Practices

- **Reduce your speed when:**
 - The road has potholes or is otherwise rough or uneven.
 - The road has sand, dirt, gravel or other loose substances on it.
 - The road is wet, icy, or oily.
 - The road contains painted surfaces, manhole covers, metal grating, railway crossings or other slippery surfaces.
 - The weather is windy.
 - The traffic is heavy, congested, not allowing sufficient space between vehicles or otherwise not flowing smoothly.
 - You are being passed in either direction by a large vehicle that produces a wind blast in its wake.

SAFETY

Safety

Safety

SAFETY

Safe Riding Practices

- **To maximize braking effectiveness, use the front and rear brakes together. Improper braking may cause loss of control or may not slow the vehicle in time to avoid a collision. Be aware of the following braking facts and practices:**
 - The rear brake provides 40% of the motorcycle's stopping power, at most.
 - Consider road conditions before applying the brakes. When the road is wet or rough or contains loose or other slippery substances, apply the brakes gradually.
 - Bring the motorcycle to the upright position before applying the brakes, and avoid applying the brakes in a corner if at all possible. When the motorcycle is leaning through a corner, the amount of traction available for braking is reduced, increasing the possibility of the tires skidding when the brakes are applied.

SAFETY

Safety

Safe Riding Practices

- **When approaching a curve, choose a speed and lean angle that allows you to pass through the curve in your own lane without applying the brakes. Excessive speed, improper lean angle or braking in a curve can cause loss of control.**
- **Ground clearance is reduced when the motorcycle leans. Do not allow components to contact the road surface when leaning the motorcycle in a curve, as this could cause loss of control.**
- **Retract the sidestand fully before riding. If the sidestand is not fully retracted, it could contact the road surface and cause loss of control.**
- **Do not tow a trailer. Towing a trailer can make the motorcycle hard to control.**

SAFETY

Carrying A Passenger

To carry a passenger safely, do the following:

- **Direct the passenger to hold on to you or to the passenger hand grips and to keep both feet on the passenger footrests. Do not carry a passenger who cannot place both feet firmly on the footrests. A passenger who is not holding on properly, or who cannot reach the passenger footrests, can shift their body erratically, which can make the motorcycle hard to handle and cause a loss of control.**
- **To obtain the best ride and handling characteristics, adjust the rear shock absorber air pressure according to instructions beginning on page 153.**
- **Before riding, be sure your passenger knows safe riding procedures. Discuss any safety information unfamiliar to your passenger. A passenger who is unaware of safe riding procedures may distract you or make movements that make the motorcycle hard to handle.**
- **Adjust your riding style to compensate for the differences in handling, acceleration and braking caused by the additional weight of the passenger. Failure to do so could result in loss of control.**

Carrying Cargo

Use the following guidelines when attaching cargo or accessories to the motorcycle. Failure to do so could result in loss of control. Where applicable, these guidelines also refer to the contents of any accessories.

- **Keep cargo and accessory weight to a minimum, and keep items as close to the motorcycle as possible to minimize a change in the motorcycle's center of gravity**
- **Distribute weight evenly on both sides of the motorcycle. Maintain even weight distribution by checking accessories and cargo to make sure they're securely attached to the motorcycle before riding and whenever you take a break from riding.**
- **Do not attach large or heavy cargo such as sleeping bags, duffel bags or tents to the handlebars, front fork area or front fender. Cargo or accessories placed in these areas can cause instability (due to improper weight distribution or aerodynamic changes). Such items can also block air flow to the engine and cause overheating that can damage the engine.**
- **Do not exceed the maximum cargo weight limit of any accessory (see accessory instructions and labels), and do not attach cargo to an accessory not designed for that purpose.**
- **Do not attach anything to the motorcycle unless specifically designed for that purpose by VICTORY.**

SAFETY

Protective Apparel

To decrease the risk of injury and increase riding comfort, wear protective riding apparel:

- **Wear a Department of Transportation (DOT) or SNELL approved helmet. Some state laws require that you wear an approved helmet. In accidents involving motorcycles, head injuries are the leading cause of motorcyclist fatalities. An approved helmet is the most effective protection in preventing or reducing head injuries.**
- **Wear eye protection. Some state laws require that you wear eye protection. Eye protection reduces the chance that your vision could be impaired by wind or by airborne particles and objects.**
- **You and your passenger should wear bright or light colored and/or reflective clothing to improve visibility to other motorists. A motorist's failure to see or recognize a motorcycle is the leading cause of automobile/motorcycle accidents.**
- **Wear gloves, a jacket, heavy boots and long pants to prevent or reduce abrasions, lacerations or burns should the motorcycle fall.**
- **Wear boots with low heels, as high heels can catch on pedals or footrests. The combination of boots and pants should completely cover legs, ankles and feet, protecting skin from engine and exhaust system heat. The engine and exhaust system get hot soon after the engine is started and stay hot for about half an hour after the engine is turned off.**
- **Do not wear loose, flowing clothing or long boot laces, as they can catch on handlebars, levers or footrests, or become entangled in the wheels, causing loss of control and serious injury or death.**

SAFETY

Safety

Saddlebags & Trunk

Whenever operating a motorcycle with original equipment or accessory saddlebags:

- **Never ride at speeds exceeding 80 mph (120 kph). Depending on load and weather conditions, the maximum safe operating speed may be less than 80 mph (120 km/h). Saddlebags, combined with the lifting or buffeting effects of wind, can make the motorcycle unstable and cause loss of control.**
- **Distribute weight evenly in each of the saddlebags.**
- **Do not exceed the individual weight limit of each saddlebag or the trunk. A weight capacity label is attached inside for reference. See Loading Examples beginning on page 28. See page 27 for GVWR information.**
- **NEVER EXCEED GROSS VEHICLE WEIGHT RATING (GVWR), regardless of whether or not the saddlebags and/or trunk are loaded to capacity. Exceeding the weight rating can reduce stability and handling and cause loss of control.**

SAFETY

Modifications

Modifying the motorcycle by removing any equipment or by adding equipment not approved by VICTORY may void your warranty. Such modifications could make the motorcycle unsafe to ride and could result in severe injury to operator or passengers, as well as damage to the motorcycle. Some modifications may also be illegal in some states. If in doubt, contact your authorized VICTORY dealer.

Parking The Motorcycle

When leaving the motorcycle unattended, turn the engine off and lock the steering (see page 48.) Remove the ignition key. Park in a well lit area to discourage thieves.

Park the motorcycle where people are not likely to touch the hot engine or exhaust system or place combustible materials in close proximity to these hot areas. Do not park near a flammable source such as a kerosene heater or an open flame, where hot components could ignite combustible materials.

Park the motorcycle on a firm, level surface. Sloped or soft surfaces may not support the motorcycle when it's parked, and it may tip over. If you must park on a slope or soft surface, follow the precautions outlined on page 126.

SAFETY

Safety

Accessory Selection and Installation

Because VICTORY cannot test and make specific recommendations concerning every accessory or combination of accessories sold, the operator is responsible for determining that the motorcycle can be safely operated with any accessories or additional weight. Use the following guidelines when choosing and installing accessories:

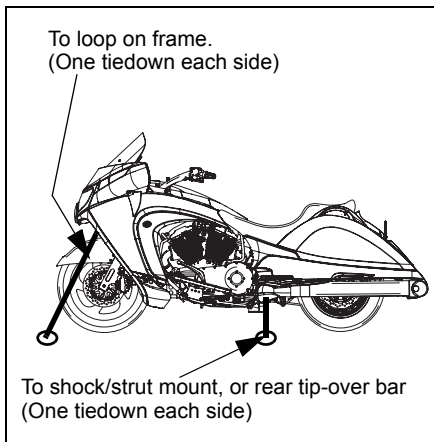
- Do not install accessories that impair the stability, handling or operation of the motorcycle. Before installing an accessory, be sure that it does not:
 - Reduce ground clearance when the motorcycle is either leaned or in a vertical position.
 - Limit suspension or steering travel or your ability to operate controls.
 - Displace you from your normal riding position.
 - Obscure lights or reflectors.
- Bulky or large accessories can cause instability (due to the lifting or buffeting effects of wind) and loss of control.
- Do not install electrical accessories that exceed the capacity of the motorcycle's electrical system. Never install higher wattage light bulbs than those supplied as original equipment. An electrical failure could result and cause hazardous loss of engine power or lights, or damage to the electrical system. See page 198 for more information.
- Use only genuine VICTORY accessories designed for your model.

SAFETY

Transporting The Motorcycle

If you must transport the motorcycle, use a truck or trailer. Do not tow the motorcycle with another vehicle, as towing will impair the motorcycle's steering and handling, which can cause loss of control.

- Position and restrain the motorcycle so it remains upright on the truck or trailer, as gasoline may leak out of the fuel tank if the motorcycle leans to one side. Gasoline is a fire hazard and it can also damage the motorcycle's finish.
- Do not restrain the motorcycle using the handlebars. In front, hook the tiedowns in the loop provided in the bottom of the frame. Place tie-downs as wide apart as possible on the truck or trailer bed for best stability. Secure the motorcycle as shown at right.



SAFETY

Safety

Fueling Precautions

For complete fueling procedure see page 110. Gasoline is highly flammable and can be explosive in certain conditions. Observe the following precautions when you refuel or service the fuel system:

- **Turn off the engine.**
- **Open the fuel cap slowly.**
- **Add fuel in a well-ventilated area.**
- **Do not spill gasoline on the engine or the exhaust system. Immediately wipe, or rinse with water, gasoline spilled on any part of the motorcycle or the surrounding area.**
- **Do not smoke while fueling.**
- **Do not fuel in an area where there are sparks or open flames.**

Safety

SAFETY

Gasoline and Exhaust Precautions

Gasoline and gasoline vapors are poisonous and can cause severe injury.

- **Do not swallow gasoline, inhale gasoline vapors, or spill gasoline on yourself or your clothes.**
- **If you swallow gasoline, inhale more than a few breaths of gasoline vapor, or get gasoline in your eyes, see a physician immediately.**
- **If you spill gasoline on your skin, wash it off immediately with soap and water. If you spill gasoline on your clothes, change your clothes immediately.**

Exhaust gases contain carbon monoxide, a colorless, odorless gas that can cause unconsciousness or severe injury or death in a short time. Observe the following precautions to avoid the effects of exhaust gases:

- **Do not inhale exhaust gases.**
- **Do not start or run the engine in an enclosed area.**

SAFETY

Safety

Periodic Maintenance

Failure to perform safety maintenance as recommended can result in difficult handling and loss of control, which could result in serious injury or death. Always perform the safety maintenance procedures as recommended. Perform maintenance and repairs promptly as outlined in the VICTORY service manual, or see your authorized VICTORY dealer for service.

- Before each ride, complete a pre-ride check as outlined beginning on page 85.
- Perform periodic maintenance according to the intervals outlined in the Periodic Maintenance Interval tables beginning on page 133.
- Maintain proper tire pressure and tread condition and proper wheel and tire balance. Inspect tires regularly and replace them if they're worn or damaged. Use only an approved replacement tire and see the VICTORY service manual or your authorized VICTORY dealer for tire replacement.
- Check proper steering head bearing adjustment. Regularly inspect the rear shock absorber and the front forks. Check for fork oil or shock absorber fluid leaks. Operating the motorcycle with a loose, worn, or damaged steering system or front or rear suspension system can make the motorcycle hard to handle and cause loss of control.

SAFETY

Periodic Maintenance

- Keep the motorcycle clean. In addition to extending the service life and the original appearance of the motorcycle, a complete and thorough cleaning can reveal items in need of repair.
- Keep equipment required by federal, state, and local laws in place and in good working condition. Your license plate must be clean, clearly visible in all conditions, and installed in a position specified by law.
- Each fastener used in the motorcycle meets our quality specifications for strength, finish and type. When replacement fasteners are needed, use only genuine VICTORY parts, tightened to the proper torque. A fastener that does not meet original specifications could fail and result in damage to the motorcycle or injury to riders.

Electromagnetic Interference

This vehicle complies with European directive 97/24/EC Chapter 8 requirements, which is equivalent to Canadian ICES-002.

SAFETY

Safety

Gross Vehicle Weight Rating (GVWR)

Gross Vehicle Weight is the maximum allowable weight of the vehicle, and includes the total weight of the motorcycle, the operator, and the passenger. NEVER exceed the motorcycle's Gross Vehicle Weight Rating. Exceeding the weight rating can reduce stability and handling and could cause loss of control.

- The weight of the *motorcycle* includes the motorcycle and all of its fluids, *any accessories and their contents*, and *any additional cargo* on the motorcycle.
- The weight of the *operator or passenger* includes *body weight, all apparel and objects in or on apparel*.
- Examples of loading and calculating Gross Vehicle Weight are included on the following pages. Refer to the specifications section of this manual (beginning on page 239) or to the certification label (located under the rear console panel in front of the seat) for additional GVWR information on your specific model.

SAFETY

Loading Example 1

VICTORY VISION with no cargo or accessories. GVWR = 1414 lbs (641 kg)

Item	Weight	
	Street	Tour
VICTORY VISION wet weight (full capacity all fluids)	844 lbs. (383 kg)	889 lbs. (403 kg)
Operator - with recommended riding apparel	220 lbs. (100 kg)	220 lbs. (100 kg)
Passenger - with recommended riding apparel	155 lbs. (70 kg)	155 lbs. (70 kg)
Total Weight	1219 lbs. (553 kg)	1264 lbs. (574 kg)

NEVER exceed GVWR. If you have any questions about loading your VICTORY motorcycle safely, please consult an authorized VICTORY dealer. See "Gross Vehicle Weight Rating (GVWR)" on page 27.

SAFETY**Safety**

Loading Example 2

VICTORY VISION with cargo. GVWR = 1414 lbs (641 kg)

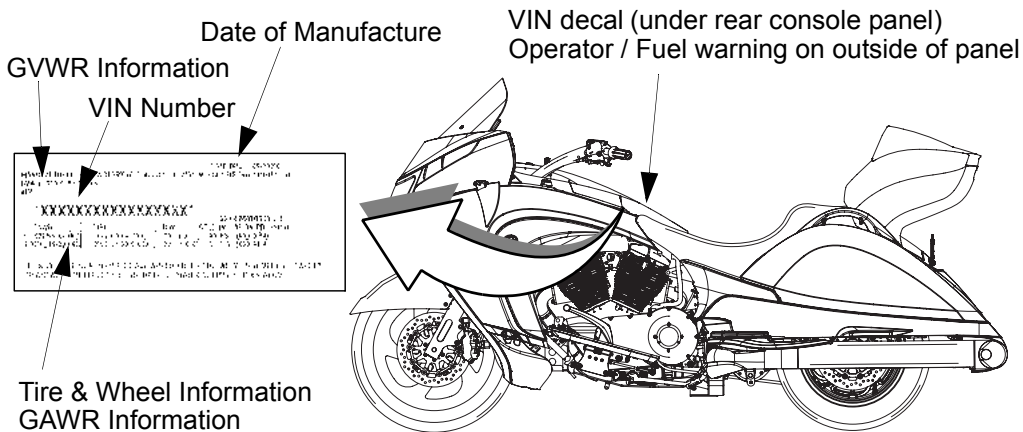
Item	Weight	
	Street	Tour
VICTORY VISION wet weight (full capacity all fluids)	844 lbs. (383 kg)	889 lbs. (403 kg)
Operator - with recommended riding apparel	220 lbs. (100 kg)	220 lbs. (100 kg)
Passenger - with recommended riding apparel	155 lbs. (70 kg)	155lbs. (70 kg)
Total weight of cargo in the saddlebags / trunk	9 lbs. (4 kg)	15 lbs. (7 kg)
Total Weight	1228 lbs. (557 kg)	1279 lbs. (581 kg)
NEVER exceed GVWR. If you have any questions about loading your VICTORY motorcycle safely, please consult an authorized VICTORY dealer. See "Gross Vehicle Weight Rating (GVWR)" on page 27.		

SAFETY**Loading Example 3****VICTORY VISION with cargo and accessories. GVWR = 1414 lbs (641 kg)**

Item	Weight	
	Street	Tour
VICTORY VISION wet weight (full capacity all fluids)	844 lbs. (383 kg)	889 lbs. (403 kg)
Operator - with recommended riding apparel	220 lbs. (100 kg)	220 lbs. (100 kg)
Passenger - with recommended riding apparel	155 lbs. (70 kg)	155lbs. (70 kg)
Total weight of cargo in the saddlebags / trunk	9 lbs. (4 kg)	15 lbs. (7 kg)
Total weight of accessory item & mounting hardware	7 lbs. (3 kg)	7 lbs. (3 kg)
Total Weight	1235 lbs. (560 kg)	1286 lbs. (584 kg)
NEVER exceed GVWR. If you have any questions about loading your VICTORY motorcycle safely, please consult an authorized VICTORY dealer. See "Gross Vehicle Weight Rating (GVWR)" on page 27.		

Safety and Information Labels - VIN Decal

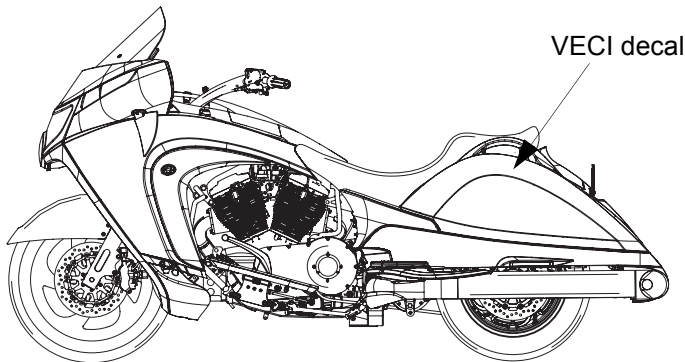
Location of **Vehicle Identification Number** decal - on frame under rear console cover.
See "Seat Removal / Installation" on page 190.



SAFETY

Safety and Information Labels - VECI Decal

Location of **Vehicle Emission Control Information** decal - inside left saddlebag.

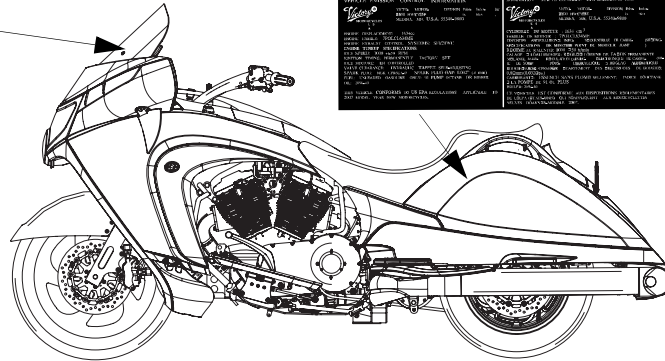


Safety and Information Labels - NECI Decal

Location of **Noise Emission Control Information** decal - inside left saddlebag.

Windshield decal

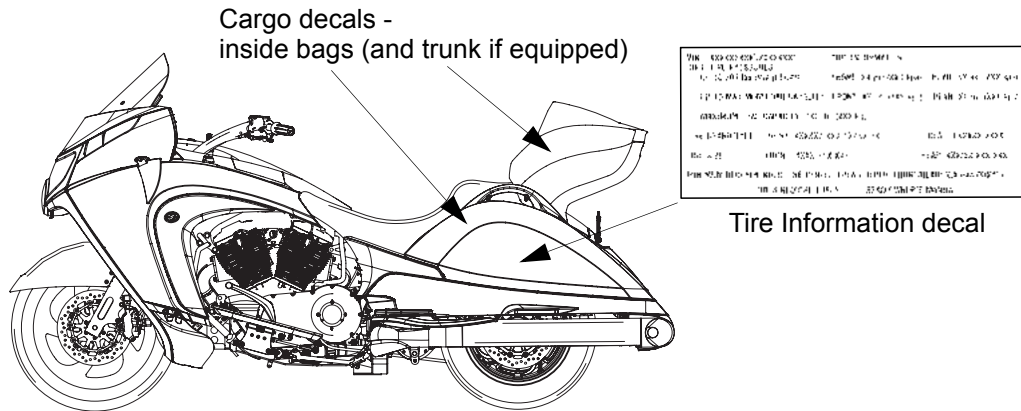
NECI decal (below VECI decal)



SAFETY

Safety and Information Labels - Tire Information & Cargo Decals

Location of **Tire Information** decal - inside left saddlebag door



SAFETY

Safety

Reporting Safety Defects

If you believe that your vehicle has a defect that could result in a crash or cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Polaris Industries in writing.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer or Polaris Industries.

To contact NHTSA, or obtain other information about motor vehicle safety, you may either call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1--800--424--9153), visit the NHTSA website at www.safercar.gov, or write to:

NHTSA

U.S. Department of Transportation

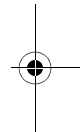
400 7th Street Southwest

Washington, DC 20590



Safety

SAFETY NOTES



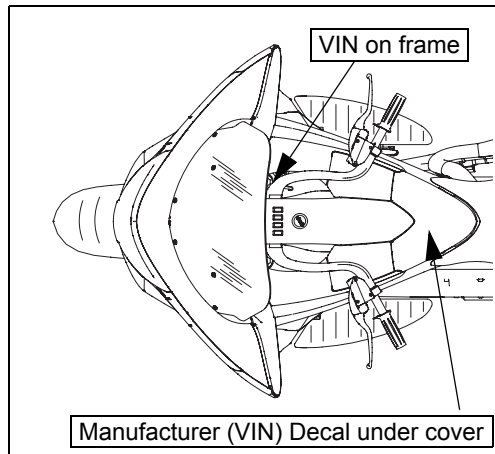
IDENTIFICATION

Identification Numbers Vehicle Identification Number

The Vehicle Identification Number is printed on the Manufacturer Information Decal located under the rear console cover on the frame. See “Seat Removal / Installation” on page 190.

Record this number in the space provided on page 40 and have it available as it is sometimes required when ordering parts or accessories.

The VIN is also stamped into the right side of the frame near the steering head.



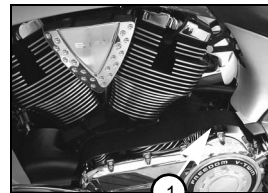
IDENTIFICATION

Engine Number

I.D.

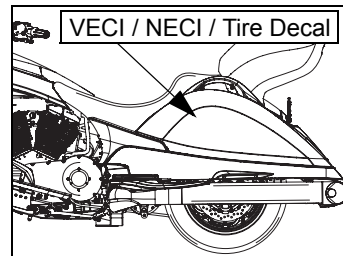
The engine number is stamped into the right crankcase behind the rear cylinder (1).

Record the number in the space provided on page 40.



VECI / NECI & Tire Information Decals

The Vehicle Emission Control Information (VECI), Noise Emission Control Information (NECI), and the Tire Information decals are located in the left saddlebag and on the bag door.



IDENTIFICATION

Ignition Key Number

The ignition key number is stamped on the small metal tag (1) attached to the key ring.

Remove the tag and record the number on page 40. Store the tag in a safe place.

Additional keys can be copied from one of the original keys (VICTORY key blank required).

If you lose both original keys, you will need the following:

- Key number (recorded previously)
- A new key blank (purchased from your VICTORY dealer)
- Proof of ownership
- A lock smith or VICTORY dealer with the equipment necessary to cut a new key



I.D.



IDENTIFICATION

Record important numbers below for reference:



I.D.

VIN Number Record



Engine I.D. Record



Ignition Key Number Record



40

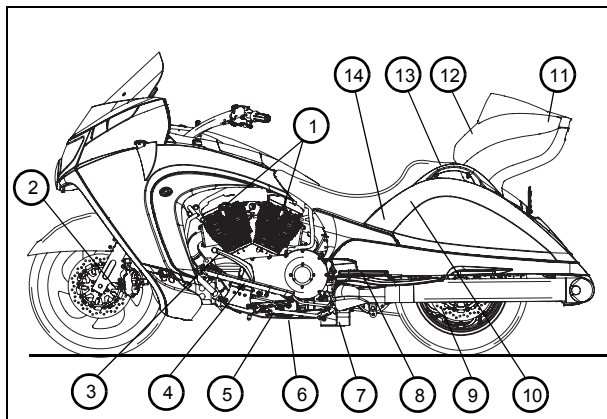


IDENTIFICATION

Component Location - Left View

Left Side View

1. Spark Plugs
2. Front Brake Caliper (left)
3. Gear Shift Pedal
4. Operator's Footrest
5. Sidestand
6. Oil Drain Plug
7. Oil Filter
8. Passenger's Footrest
9. Rear Brake Caliper
10. Diagnostic Connector (in left bag)
11. Running Light (Tour)
12. Rear Speakers (Tour)
13. Passenger Hand Grip
14. Rear Shock Air Fitting (under left saddlebag door)



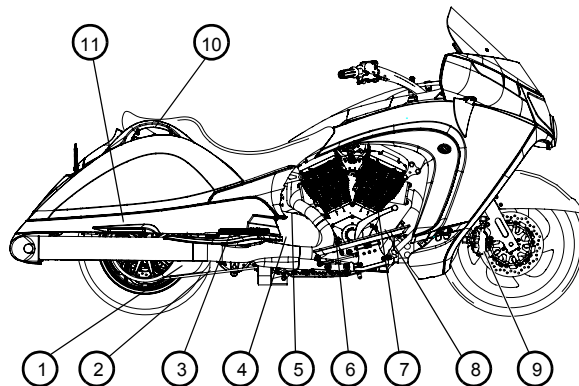
I.D.

IDENTIFICATION

Component Location - Right View

Right Side View

1. Drive Belt Guard
2. Drive Belt
3. Passenger's Footrest
4. Drive Sprocket (under cover)
5. Speed Sensor (top of crankcase)
6. Engine Oil Fill Cap / Dipstick
7. Rear Brake Pedal
8. Operator's Footrest
9. Front Brake Caliper (right)
10. Passenger Hand Grip
11. Reflector



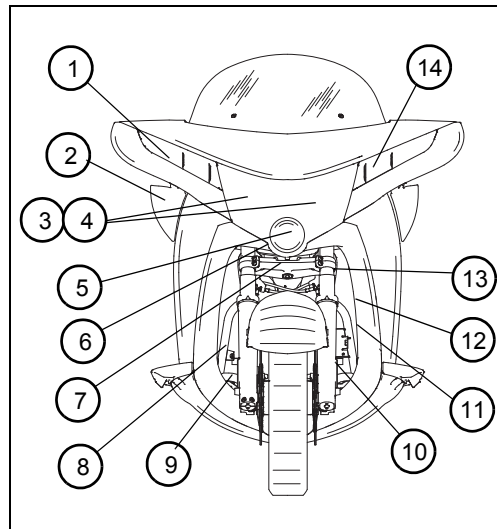
I.D.

IDENTIFICATION

Component Location - Front View

Front View

1. Front Turn Signal (outer light, each side)
2. Wind Deflector (one each side)
3. Headlamp (high beam)
4. Headlamp (low beam)
5. Driving Lamp (or HID lamp if equipped)
6. Air Filter (front of frame)
7. Tiedown Loop (on frame)
8. Rear Brake Fluid Reservoir
9. Battery
10. Oil Cooler
11. Horn
12. Evaporative Emissions Canister
13. Fuel Tank (one each side)
14. Running Light (inner light, each side)



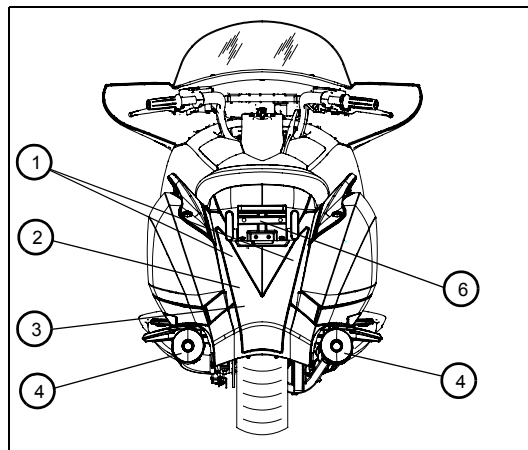
I.D.

IDENTIFICATION

Component Location - Rear View

Rear View

1. Turn Signals (uppermost in lens)
2. Tail Lamps (3 each side; all tail bulbs are ON with lights)
3. Brake Lamps (four lower bulbs illuminate brightly when brake is applied with turn signal OFF; bottom two only with turn signal ON)
4. Exhaust Muffler
5. License Plate Bracket



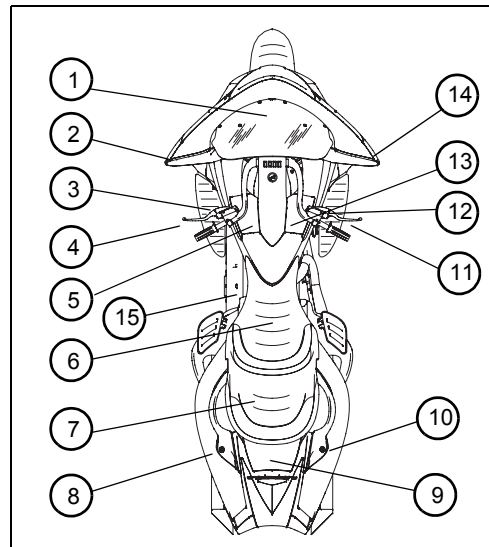
I.D.

IDENTIFICATION

Component Location - Top View

Top View

1. Windshield (radio antenna is under dash)
2. Left Mirror
3. Clutch Fluid Reservoir
4. Clutch Lever
5. Glove Compartment Door
6. Operator Seat
7. Passenger Seat
8. Left Saddlebag Latch
9. Trim Panel - Street Model (or Tour w/ Trunk Removed)
10. Right Saddlebag Latch
11. Front Brake Lever
12. Front Brake Fluid Reservoir
13. Fuel Filler Cap Access Door
14. Right Mirror
15. Reverse Lever (if equipped)



I.D.

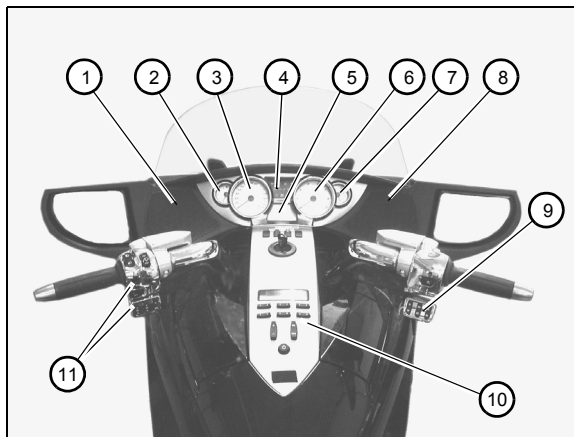
IDENTIFICATION

Component Location - Rider's View

Rider's View

(See INSTRUMENTS, FEATURES, & CONTROLS for more information)

1. Speaker (left)
2. Fuel Gauge
3. Speedometer
4. Indicator Lamp Display
5. Information Display
6. Tachometer
7. Volt Meter
8. Speaker (Right)
9. Cruise Control Switches
10. Radio Controls
11. Left Handlebar Switch / Audio Control



I.D.

INSTRUMENTS, FEATURES, & CONTROLS

Ignition Key

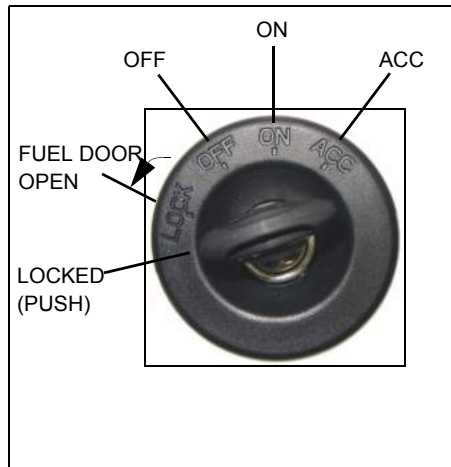
CAUTION

Before starting the engine, read engine starting instructions beginning on page 112.

The ignition key operates the ignition switch, fuel door (page 77) bag locks (page 81) and trunk lock (if equipped, page 82). Key position and function is described on the following pages.

Keep the spare key (provided) in a safe place separate from the main key.

Be careful what style of key ring you use, as some larger rings or those made of metal can scratch the finish on the console.



INSTRUMENTS, FEATURES, & CONTROLS

Ignition Switch

Place the ignition key in the ignition switch to operate the following functions of the switch.

IGNITION SWITCH FUNCTION

OFF	All electrical circuits are off. The ignition key can be removed.
ON	All electrical circuits are on. The ignition key cannot be removed. Taillight, running lights, radio and instrument lights illuminate. Headlight can be turned on by either tapping or pressing the start button. Hazard flashers and turn signals can be activated.
ACC	Power is supplied to accessory circuits, radio, instruments, turn signals, brake light, windshield motor, horn and hazard (flasher). The key can be removed.
LOCK	All electrical circuits are off. The ignition key can be removed. The glove compartment is locked when the steering is locked.
FUEL DOOR	See page 77.

Controls

INSTRUMENTS, FEATURES, & CONTROLS

Instrument Cluster

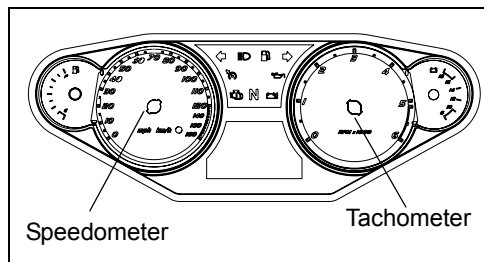
The instrument cluster includes the items listed on the following pages. The MODE button (page 62) is used to toggle through various functions, change unit display (mph to kph) and to reset all functions except the odometer and fuel range.

Speedometer

The speedometer displays current motorcycle speed in miles per hour (mph) or kilometers per hour (kph) (International). See page 54.

Tachometer

The tachometer displays current engine speed in revolutions per minute (RPM). A red line on the face indicates maximum safe engine RPM.



Controls

WARNING

Do not exceed red line. Excessive RPM could cause engine damage or failure that could result in loss of control.

INSTRUMENTS, FEATURES, & CONTROLS

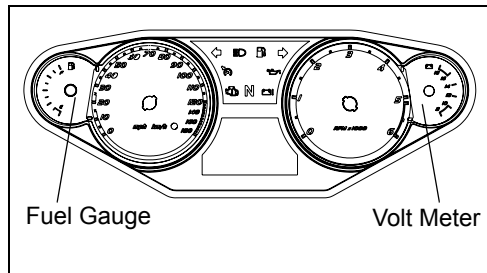
Fuel Gauge

The fuel gauge operates when the key is in the ON or ACC position. For most accurate readings, sit on the motorcycle and bring it to an upright position.

Volt Meter

The volt meter displays battery voltage being supplied to main electrical circuits when the key is in the ON position.

The meter will display approximate battery voltage when the key is ON without the engine running. With the engine running, the meter will display approximate battery charging voltage.



INSTRUMENTS, FEATURES, & CONTROLS

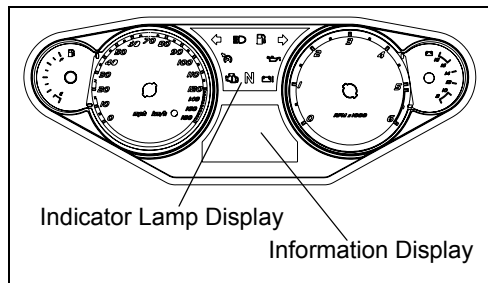
Indicator Lamp Display

The indicator lamps are located on the upper display in the center of the instrument panel. See the following pages for a description of each and its function.

Information Display

The information display, located below the indicator lamp display, is a multi-function LCD unit. This panel will display time, gear position, ambient temperature, mileage (either trip or total vehicle mileage), fuel range, average MPG, current fuel economy, trip time, and other trip information. Use the MODE button (page 62) to toggle through the feature. Each feature is described in more detail in this chapter. See page 54 to change the unit display (U.S. to Metric).

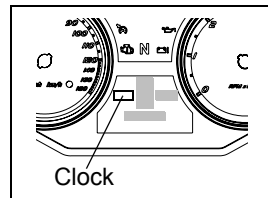
NOTE: If “Err” displays while toggling through the features, a system error has been logged. See “Check Engine” indicator information on page 59.



INSTRUMENTS, FEATURES, & CONTROLS

Clock

1. Turn the key to ON or ACC to view the clock. To change the setting, use the MODE button to toggle to the odometer.
2. Press and *hold* the MODE button until the hour segment flashes, then release the button. Tap the MODE button to advance to the desired setting.

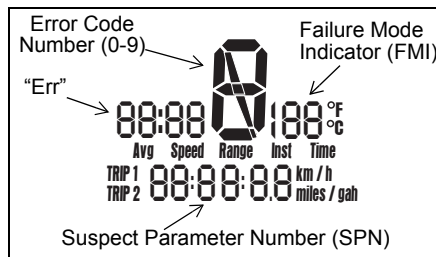


NOTE: If LOW FUEL is flashing, the display will not enter the CLOCK SET mode.

3. Repeat step 2 to set the 10-minute and 1-minute segments, then press and hold the MODE button to save the settings and exit the CLOCK SET mode.
4. Turn the key off. The clock is set until the battery is disconnected or discharged.

Error Screen

If "Err" appears in the clock area, record the three code numbers displayed on the screen. See an authorized VICTORY dealer for code details. See "Check Engine" indicator information on page 59.



Controls

INSTRUMENTS, FEATURES, & CONTROLS

Gear Position

The number of the current transmission gear is displayed with the key in the ON position and the Stop/Run switch in RUN. “N” displays in neutral. “R” displays in reverse (if equipped).

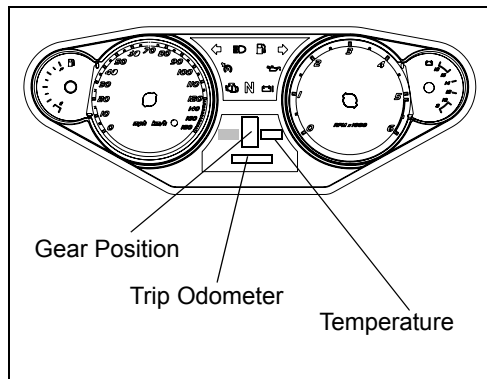
Trip Odometer

The trip odometer shows total miles traveled since the trip odometer was reset. Use the MODE button to toggle between odometer and trip meter. To reset the trip meter:

1. Turn the key to ON and toggle to the trip meter.
2. *Hold* the MODE button until the trip meter resets.

Temperature

Current ambient air temperature is displayed with the key in the ON or ACC position.



INSTRUMENTS, FEATURES, & CONTROLS

Odometer

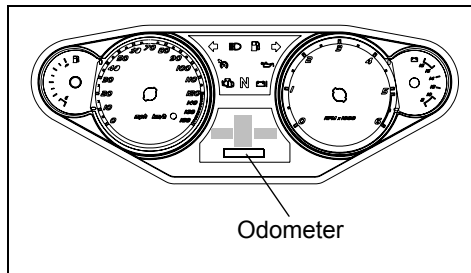
The odometer displays total mileage of the vehicle in miles or kilometers. See “Trip Odometer” on page 53 to change the odometer display to trip meter.

Controls

To Change Display Units

To change the odometer display from English (miles & 12-hour clock) to Metric (kilometers and 24-hour clock):

1. With the key OFF, press and *hold* the MODE button.
2. Turn the key to ON or ACC.
3. Toggle the MODE button to the desired screen display unit.
4. Press and *hold* the MODE button until the display returns to the TRIP computer.



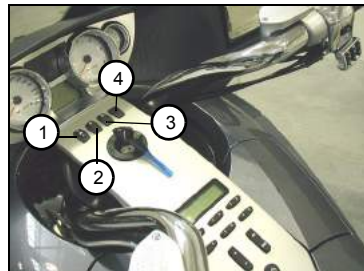
INSTRUMENTS, FEATURES, & CONTROLS

CONSOLE MOUNTED SWITCHES

The console mounted switches are used to control the following features:

- Handgrip Heaters (if equipped)
- Hazard (emergency flashers)
- Driving lamp (center headlamp)
- Accessory switch location (blank)

Refer to the following pages for switch function.



Controls

1. Hand grip heater
2. Hazard
3. Driving lamp
4. Accessory switch location

INSTRUMENTS, FEATURES, & CONTROLS

Hand Grip Heater Switch

Press the rocker switch toward the Hi or Low position, depending on the amount of heat required. Press the rocker switch to the middle position to turn the grip heaters OFF.

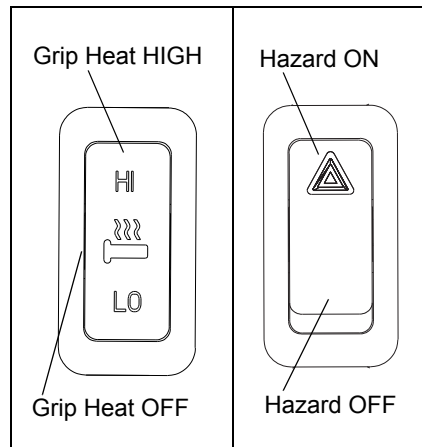
Controls

Hazard Switch (Emergency Flashers)

The Hazard switch activates and de-activates the emergency flashers. When the emergency flashers are active, all of the turn signals flash.

To activate the emergency flashers:

- Press the rocker switch toward the triangle to turn the emergency flashers ON.
- Press the rocker switch away from the triangle to turn the emergency flashers OFF.



INSTRUMENTS, FEATURES, & CONTROLS

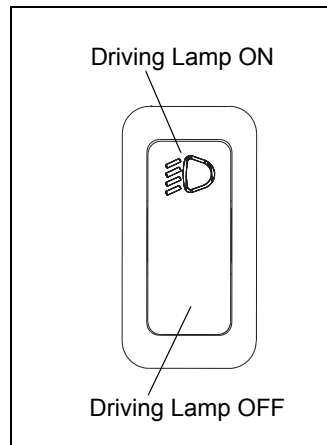
Driving Lamp Switch

When the ignition key is ON, the driving lamp switch operates the center headlamp or HID lamp (if equipped).

The driving lamp is not controlled by the high / low beam switch. It is an additional low beam lamp that can be on at all times if selected on the console.

To activate the driving lamp:

- Press the rocker switch toward the headlamp icon to turn the driving lamp ON.
- Press the rocker switch away from the icon to turn the driving lamp OFF.

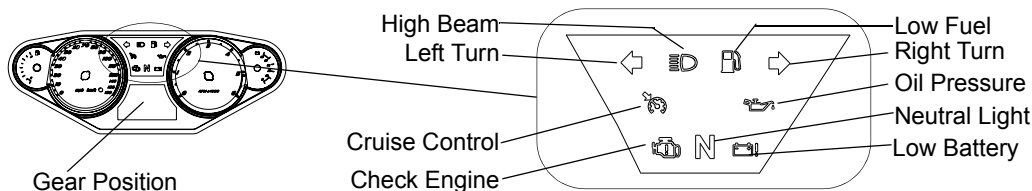


Controls

INSTRUMENTS, FEATURES, & CONTROLS

Neutral, Gear Position, & High Beam Indicator Lamps




Controls



<p>6 Gear Position</p>	<p>Transmission gear selection appears in the information display (6th gear shown). On models equipped with reverse, "R" displays when the reverse lever is engaged. See page 127.</p>
<p>N Neutral</p>	<p>The neutral indicator lamp illuminates when the transmission is in neutral (and the ignition key is in the ON or ACC position).</p>
<p>High Beam</p>	<p>This lamp illuminates when the head lamp switch is set to HIGH BEAM.</p>



INSTRUMENTS, FEATURES, & CONTROLS

Check Engine & Turn Signal Indicator Lamps


 Check Engine	<p>This indicator illuminates momentarily when the ignition switch is ON and the engine is stopped. The light will illuminate if the tilt sensor has shut down the engine. If systems report abnormal sensor or engine operation (with ignition key ON), the indicator illuminates as long as the fault condition exists. An error code menu can be viewed in the information display. Use the MODE button to toggle until "Err" is displayed and record the information shown. See an authorized VICTORY dealer for code details. NOTE: Codes are not stored. The "Err" screen displays only when the check engine light is on, or goes on and off during one ignition cycle. When the key is turned OFF, the code and message is lost, but will reappear if the fault reoccurs after restarting the engine. NOTICE: If the Check Engine Indicator illuminates while the engine is running, see an authorized VICTORY dealer promptly for diagnosis.</p>
(L) (R)   Turn Signal	<p>This indicator flashes the left or right arrow, or both (hazard) when turn or hazard is activated. If a turn signal bulb has failed, or if there is a short circuit in the turn signal system, the turn signal indicator flashes at more than twice the normal rate.</p>

INSTRUMENTS, FEATURES, & CONTROLS

Oil Pressure & Low Fuel Indicator Lamps

 Low Oil Pressure	The Low Oil Pressure indicator illuminates when the ignition switch is in the ON position and the engine is not running. This means the indicator circuit is functioning properly. The indicator also illuminates when oil pressure drops below safe operating pressure. If this indicator illuminates while engine is running, turn the engine off as soon as safely possible and check the oil level. If the oil level is correct and the indicator remains illuminated after the engine is restarted, turn the engine off immediately.
 Low Fuel	The Low Fuel indicator illuminates when approximately one gallon (3.8 liters) of fuel remains in the fuel tank.

Engine Cruise Control Indicator Lamp

 Cruise Control	The Cruise Control indicator illuminates when the cruise control power is ON and a set speed is selected. See <i>Cruise Control Safety & Operation</i> beginning on page 120 before using the cruise control.
---	---

INSTRUMENTS, FEATURES, & CONTROLS

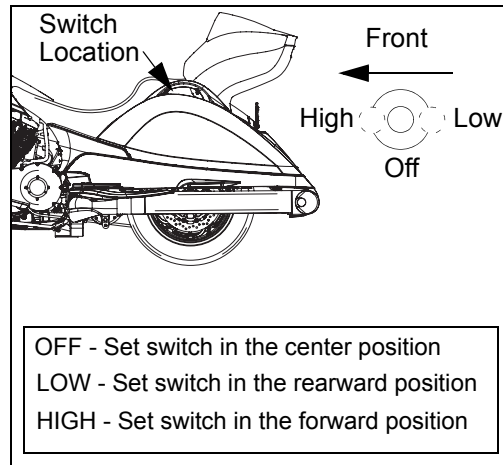
Seat Heater Switches

The seat heater switches (if equipped) are located on the seat under the left passenger hand grip.

The driver and passenger seat heater settings are independently controlled. The front switch controls the driver's seat and the rear switch controls the passenger's seat.

CAUTION

LOW position is sufficient for most ambient temperatures and riding apparel. Use HIGH with caution.



OFF - Set switch in the center position
 LOW - Set switch in the rearward position
 HIGH - Set switch in the forward position

INSTRUMENTS, FEATURES, & CONTROLS

LEFT HANDLEBAR SWITCH

Mode Button

The MODE button is located on the front side of the left handlebar switch.

The MODE button is used to toggle through the various Information display items available, and to change the display from English (miles) to Metric (kilometers).

Refer to the individual display feature throughout this chapter for more information.

NOTE: If “Err” displays while toggling through the features, a system error has been logged. See “Check Engine” indicator information on page 59.



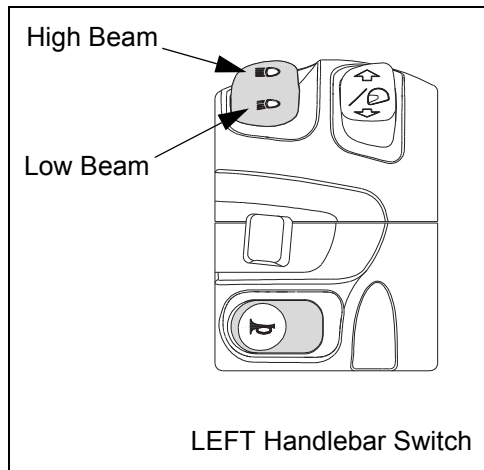
LEFT Handlebar Switch

INSTRUMENTS, FEATURES, & CONTROLS

Headlamp High / Low Beam Switch

To turn the headlamp on, turn the ignition key to ON and tap or press the start button. The headlamp high/low beam switch toggles the headlamp between high and low beam.

- To activate the high beam, press the upper portion of the switch.
- To activate the low beam, press the lower portion of the switch.



Controls

INSTRUMENTS, FEATURES, & CONTROLS

Windshield Adjustment Switch (Motorized)

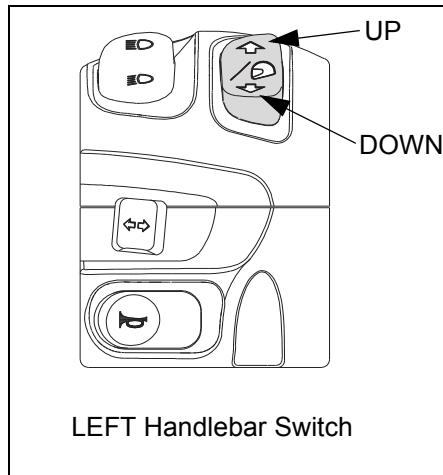
The motorized windshield adjustment switch changes the height (and angle) of the windshield. This button is active with the key in the ON or ACC position.

Controls

- To move the windshield UP, press the upper portion of the switch.
- To move the windshield DOWN, press the lower portion of the switch.

NOTE: Do not continuously cycle windshield more than once in a 60 second period.

If your motorcycle is not equipped with a motorized windshield adjustment, see Manual Windshield Adjustment on page 76.



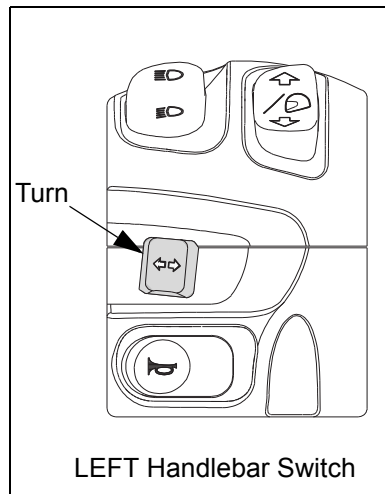
INSTRUMENTS, FEATURES, & CONTROLS

Turn Signal Switch

Use the turn signal switch to activate a turn signal. The key must be in the ON or ACC position.

Turn signals automatically cancel after predetermined speed and distance conditions are met. To *manually* cancel a signal, move the switch to the center position and press it inward

- Push the switch to the left to activate the left turn signals.
- Push the switch to the right to activate the right turn signals.



Controls

INSTRUMENTS, FEATURES, & CONTROLS

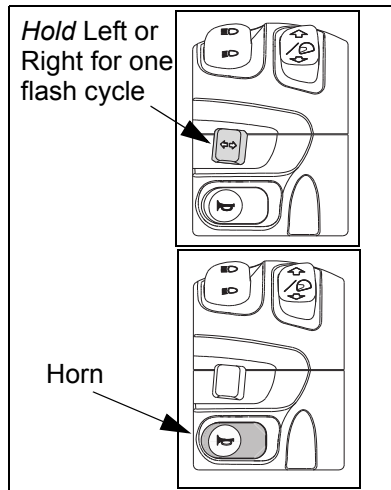
Turn Signal Momentary Feature

The momentary signal feature is useful when passing or changing lanes. To use the momentary feature, push and *hold* the switch through at least one complete flash cycle (at least one second) to activate the feature. The signal will then cancel the moment the switch is released.

Controls

Horn Button

With the ignition key in the ON or ACC position, press the horn button to sound the horn.



INSTRUMENTS, FEATURES, & CONTROLS

Clutch Lever

To disengage the clutch, pull the lever toward the handlebar. To engage the clutch, gradually release the lever. For smooth clutch operation, pull the lever quickly and release it gradually.

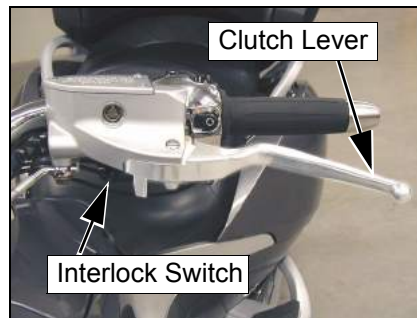
Starter Interlock

The motorcycle is equipped with a starter interlock switch that prevents the electric starter from operating when the transmission is in gear and the clutch is engaged (lever released).

CAUTION

Never start the motorcycle in gear with the clutch disengaged unless you are seated on the bike in a normal riding position with the front brake applied.

Read complete engine starting procedures beginning on page 112 before starting the engine.



LEFT Handlebar

INSTRUMENTS, FEATURES, & CONTROLS

RIGHT HANDLEBAR CONTROLS

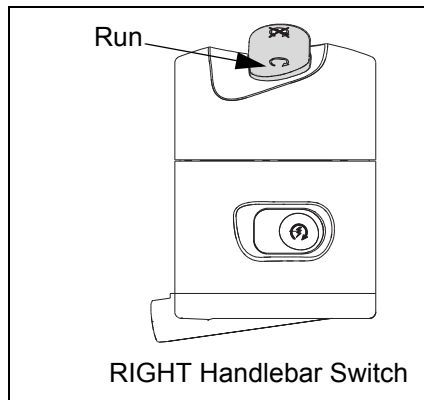
Engine Stop / Run Switch

The engine stop/run switch completes or interrupts the ignition, starter, and fuel pump circuits.

Controls

To complete the circuits, allowing the engine to start and run, press the lower portion of the engine stop/run switch (RUN position).

To interrupt the circuits, press the upper portion of the switch (STOP position). The engine should not start or run when the switch is in the STOP position. Use the engine stop/run switch to turn the engine off under either normal or emergency conditions. Turn the key OFF after the engine stops.



INSTRUMENTS, FEATURES, & CONTROLS

Engine Starter Button

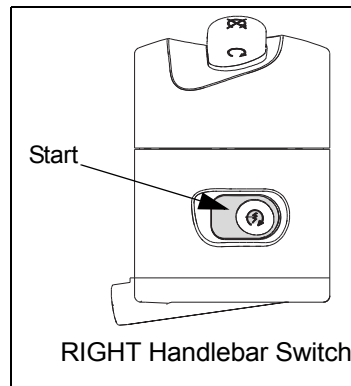
The engine starter button is used to start the engine, activate the headlight, and operate in reverse gear (if equipped).

To start the engine, the engine stop/run switch must be in the RUN position. The transmission must be in neutral (or the clutch must be disengaged) and the reverse lever (if equipped) must be disengaged. Press the right side of the starter button to engage the starter.

NOTE: Read the engine starting procedure beginning on page 112 before starting the engine.

To activate the headlight, the ignition switch must be on. Tap the starter button to turn the headlight on without starting the engine.

To operate in reverse, see page 127



Controls

INSTRUMENTS, FEATURES, & CONTROLS

Throttle Control Grip

The throttle control grip controls the engine speed.

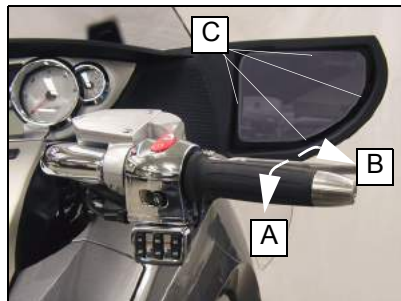
To increase engine speed and power, twist the top of the throttle control grip toward you (A).

To decrease engine speed and power, twist the top of the grip away from you (B).

Controls

Mirrors

The rear view mirrors are adjusted by applying light pressure to left, right, top, or bottom edge (C).



Throttle Control Grip

INSTRUMENTS, FEATURES, & CONTROLS

Linked Braking System

The front and rear brakes on the motorcycle are linked.

Application of the front brake lever activates only the front brakes.

Application of the rear brake pedal activates the rear brake caliper fully, while simultaneously activating one of the three pistons in each front brake caliper.

For maximum brake effectiveness, the front brake lever and rear brake pedal should be applied together, as you would with a conventional (non-linked) brake system.



Controls

INSTRUMENTS, FEATURES, & CONTROLS

Front Brake Lever

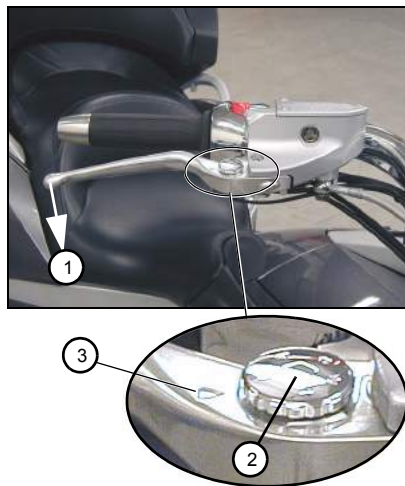
The front brake lever is located on the right handlebar.

To apply the front brake, pull the lever toward the handlebar. As described on page 71, the front brake lever activates only the front brake calipers.

See “Braking” on page 124 for braking procedures in various riding conditions.

Lever “reach” or distance to the hand grip is adjustable. To adjust the front brake lever reach:

- Pull the lever away from the grip (1) and *hold*.
- Turn dial (2) to align a lower number with the arrow (3) on the lever to increase lever reach distance.
- Turn the dial to align a higher number with the arrow on the lever to decrease reach distance.



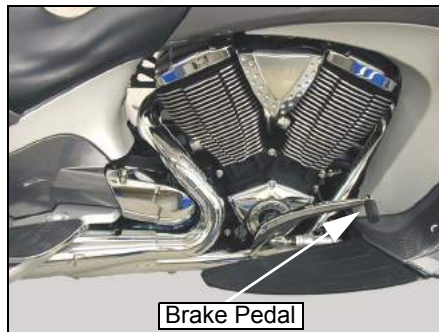
INSTRUMENTS, FEATURES, & CONTROLS

Rear Brake Pedal

The rear brake pedal is on the right side of the motorcycle.

To apply the rear brake, press down on the rear brake pedal. As described on page 71, a small amount of front brake is also applied.

See page 124 for braking procedures in various riding conditions.



Controls

INSTRUMENTS, FEATURES, & CONTROLS

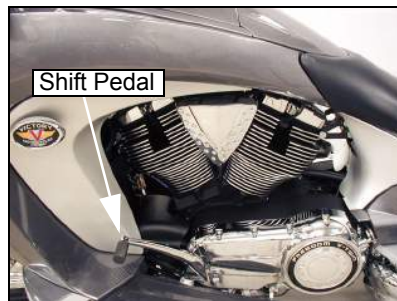
Gear Shift Pedal

The gear shift pedal is located on the left side of the motorcycle.

- To shift to a lower gear, press down on the gear shift pedal.
- To shift to a higher gear, lift up on the gear shift pedal.

See page 114 through page 117 for proper gear shifting procedures.

Controls



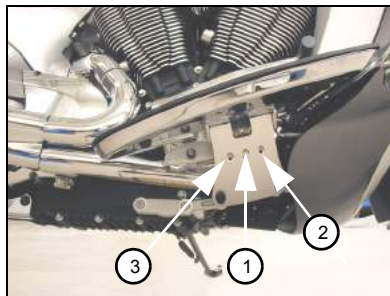
INSTRUMENTS, FEATURES, & CONTROLS

Foot Control Adjustment

The brake pedal and shift pedal can be adjusted to one of three positions. The controls are in the center position as delivered from VICTORY.

To move the controls to the front or rear position, do the following:

1. Use a 6mm Allen wrench to remove screw (1).
2. Slide the control forward or rearward in its track until the threaded hole of the control aligns with the front (2) or rear (3) screw hole in the footrest support.
3. Reinstall the screw and torque to 96 lb-in. (11 Nm).
4. After adjusting the shift pedal, always readjust the shift linkage rod. Loosen both jam nuts on the linkage and turn the shaft until the footpeg is about 90mm from the floorboard (or to desired height). Tighten both jam nuts to 96 lb-in. (11 Nm).



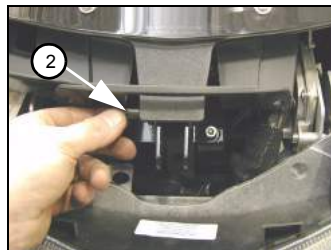
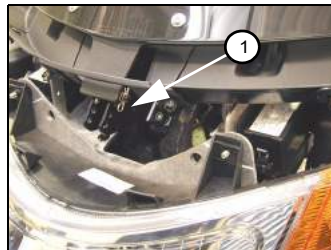
Controls

INSTRUMENTS, FEATURES, & CONTROLS

Manual Windshield Adjustment

If your motorcycle is not equipped with a motorized windshield, you can adjust it manually using the following procedure:

1. Stop the motorcycle and turn the key OFF.
2. Remove the windshield trim panel (see page 184).
3. Remove the retaining clip (1).
4. Hold slight downward pressure on the bottom of the windshield (it is under slight upward spring pressure).
5. Remove the clevis pin (2), slide the windshield inner bracket to align with one of the optional holes in the outer bracket, then reinstall the clevis pin.
6. Install the retaining clip in the clevis pin.
7. Install the windshield trim panel (page 184).



INSTRUMENTS, FEATURES, & CONTROLS

Fuel Door

Use the ignition key to unlock the fuel door.

1. Turn the key to the OFF position.
2. Turn the handlebars full left.

NOTE: Do not push the key down when unlocking the fuel door.

3. Turn the key counter-clockwise to release the fuel door latch. The door will open under light spring tension.

NOTE: See page 23 and page 110 for fueling instructions.



Controls

INSTRUMENTS, FEATURES, & CONTROLS

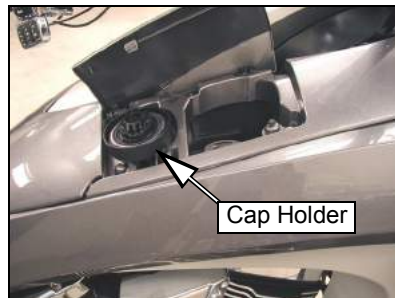
Fuel Cap

Use the ignition key to unlock the fuel door.

1. Turn the fuel cap counterclockwise to open.
2. Set the cap in the holder while fueling.
3. To install the cap, turn the fuel cap clockwise until seated.
4. Close the fuel door. The door is locked when the key is removed.

NOTE: For fueling procedure and safety, see Fueling and Fill Height, page 23 and page 110.

Controls



INSTRUMENTS, FEATURES, & CONTROLS

Glove Compartment

To OPEN the glove compartment:

- Turn the handlebars to clear the door. Press and release the inner edge of the door. The door will open under spring pressure.

To CLOSE the glove compartment:

- Push the door firmly until latched, then release.

To LOCK the glove compartment:

- Close the glove compartment door.
- Turn the ignition key to the lock position.

NOTE: The glove compartment is locked when the steering is locked.



Controls

INSTRUMENTS, FEATURES, & CONTROLS

Sidestand

The sidestand is located on the left side of the motorcycle.

WARNING

Correctly retract the sidestand before operating the motorcycle. An improperly retracted sidestand could come into contact with the ground and cause a loss of control.

- To extend the sidestand, swing it out from the end until it is fully extended. Lean the motorcycle toward the sidestand until it firmly supports the motorcycle.
- To retract the sidestand, lean the motorcycle away from the sidestand until the motorcycle is fully upright. Swing the sidestand back into its fully retracted position.



INSTRUMENTS, FEATURES, & CONTROLS

Saddlebags

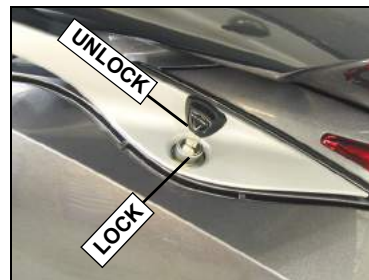
The saddlebags can be locked with the ignition key. Lock the saddlebags when riding.

To **UNLOCK** the saddlebag:

1. Insert key in bag lock and rotate clockwise to the unlocked position.
2. Remove the key.
3. Press the bag lock to open the bag door.
4. Refer to loading information beginning on page 27.

To **LOCK** the saddlebag:

1. Close bag door and insert key.
2. Rotate key counterclockwise to lock position.
3. Remove the key.



INSTRUMENTS, FEATURES, & CONTROLS

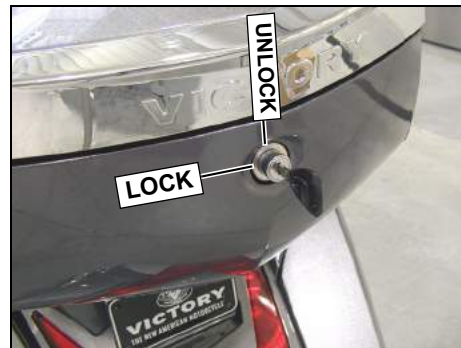
Trunk Operation

The trunk can be locked with the ignition key.
Lock the trunk when riding.

To UNLOCK the trunk:

1. Insert key in trunk lock and rotate key to the vertical position to unlock.
2. Remove the key.
3. Press the trunk lock to open.
4. Observe trunk cargo load limits.
5. Refer to page 27 for loading information.

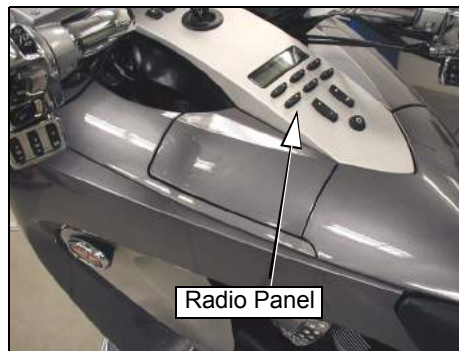
Controls



INSTRUMENTS, FEATURES, & CONTROLS

Radio / Audio Systems

Refer to the Audio section of this manual (beginning on page 251) for radio and accessory audio systems operation.



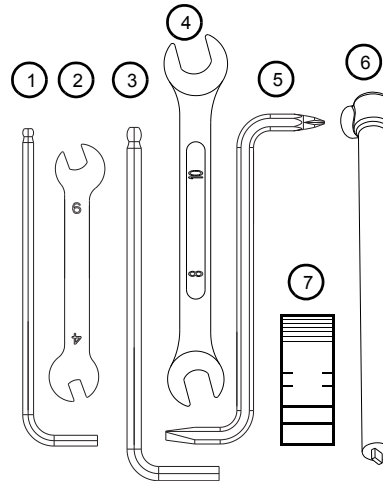
Controls

INSTRUMENTS, FEATURES, & CONTROLS

Tool Kit

The tool kit can be used to perform most of the basic maintenance items and some of the general repairs.

1. 4mm Ball Drive Allen Wrench
2. 4mm / 6mm Open End Wrench
3. 6mm Ball Drive Allen Wrench
4. 8mm / 10mm Open End Wrench
5. Combination Phillips / Slot Screw Driver
6. Rear Shock Absorber / Tire Pressure Gauge
7. Fuse Puller



PRE-RIDE CHECKS

Pre-Ride Checks Before Each Ride

Perform the checks described in this section before each ride to keep your motorcycle in good operating condition. This is specially important before making a long trip or when removing the motorcycle from storage. You must be familiar with the instruments and controls on your motorcycle to make these checks. When inspections reveal the need for adjustment, replacement or repair:

- refer to the maintenance section of this manual
- refer to the service manual
- or see your authorized VICTORY dealer

NOTE: During the pre-ride check you may use products that are potentially hazardous, such as oil or brake fluid. When using any of these products, always follow the instructions and warnings on the product packaging.

WARNING

Failure to perform the recommended pre-ride checks could result in component failure while riding, which could result in serious injury or death. Always perform the pre-ride checks before each ride. When inspection reveals the need for adjustment, replacement or repair, perform the service promptly.

PRE-RIDE CHECKS

Check Electrical Equipment

Turn the ignition key to the ON position and move the stop/run switch to RUN before performing the following electrical inspections. Return the ignition key to the OFF position after completing these inspections. If inspection of any electrical item reveals component failure, repair or replace the component before operating the motorcycle.

Item	Inspection Procedure
Headlamp	Tap the starter button to verify that the headlamp illuminates. Switch to high beam. Verify that the high beam indicator comes on and that lamp brightness increases.
Taillight/Brake Light	Verify that the taillight and license plate light illuminate. If a turn signal is activated, only the two lower lamps will illuminate. Verify that the taillight lamps increase in brightness when the front brake lever is applied and also when the rear brake pedal is applied.
Turn Signals	Move the turn signal switch to the left. Verify that front and rear left turn signals flash, as well as the corresponding light on the indicator panel. Push the switch inward to cancel the signal. Verify that the signals and the indicator light stop flashing. Repeat the procedure for the right turn signals.

Pre-Ride

PRE-RIDE CHECKS

Check Electrical Equipment (Cont.)

Item	Inspection Procedure
Emergency Flashers	Press the top of the hazard switch to turn the flashers on. Verify that all four turn signals flash, as well as the lamps on the indicator panel. Turn the flashers off. Verify that all signals and indicator lamps stop flashing.
Horn	Press the horn button. Verify that the horn sounds loudly.
Neutral Indicator	Place the transmission in neutral. Verify that the neutral indicator lamp illuminates and that the letter "N" displays in the gear position display.
Low Oil Pressure Indicator	Verify that the low oil pressure lamp illuminates. Start the engine and verify that the low oil pressure lamp goes off.
Engine Stop/Run Switch	Start the engine. Move the stop/run switch to the STOP position. Verify that the engine stops. Attempt to restart the engine to verify that the engine WILL NOT start.

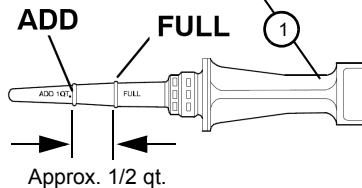
Pre-Ride

PRE-RIDE CHECKS

Check Engine Oil Level

A dipstick attached to the oil fill cap registers the engine oil level.

1. With the transmission in neutral, start and run the engine for several minutes to bring it to operating temperature.
2. Shut the engine off and wait for 3-5 minutes.
3. Straddle the motorcycle on level ground and bring it to a vertical position.
4. Remove the oil fill cap/dipstick (1) and wipe it clean. Reinstall the dipstick and turn the cap clockwise until it seats.



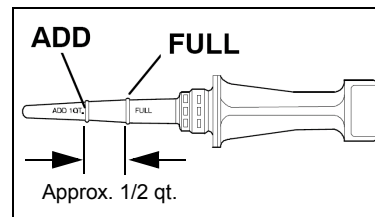
Pre-Ride

PRE-RIDE CHECKS

5. Remove the dipstick and read the oil level.
6. If necessary, add or remove oil to bring the level into the area on the dipstick above the ADD mark and below the FULL mark. See "Engine Oil Specification" on page 248.

WARNING

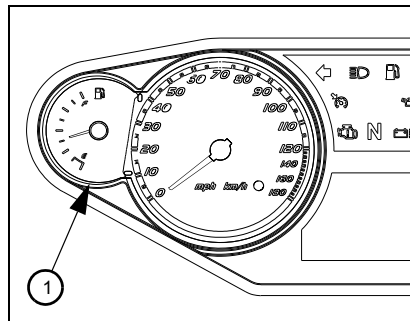
Do not operate the motorcycle with the oil level above the FULL mark or below the ADD mark. Operating the engine with too much or too little oil can cause serious engine damage or engine seizure, resulting in loss of control.



PRE-RIDE CHECKS

Fuel Level

1. Straddle the motorcycle on level ground and bring it to a vertical position.
2. Turn the ignition switch to the ON or ACC position and watch the fuel gauge (1) on the instrument panel.
3. Note the fuel level.
4. Estimate your next fuel stop and plan accordingly to avoid running out of fuel. See "Fuel Specification" on page 247.



Pre-Ride

PRE-RIDE CHECKS

Check Tires

Tire Pressure

- Normal riding warms the tires and increases the tire air pressure. For an accurate reading, check the tire pressure before you ride. Adjust tire pressure as required for the total weight of your intended load. Refer to the tire pressure table on page 176 or the Tire information Label on the motorcycle located in the left saddlebag.

Tire Condition

- Inspect the tire sidewalls, road contact surface, and tread base for cuts, punctures, and cracks. Replace damaged tires promptly.

Tire Tread Depth

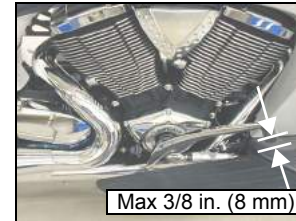
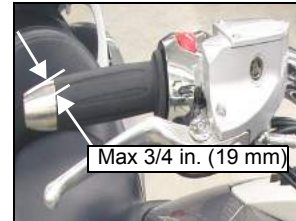
- Measure the tread depth near the center of the tread on both front and rear tires. See page 175. Replace any tire with a tread depth of less than $1/16''$ (1.7mm).

PRE-RIDE CHECKS

Check Brake Operation

Pedal / Lever Movement

- Squeeze the front brake lever and press the rear brake pedal to be sure both operate normally. The lever and pedal should feel firm and should hold pressure when applied with constant pressure.
- Check the amount of front brake lever movement before it develops firm resistance. It should not move more than 3/4 inch (19 mm) before lever is firm.
- Check the amount of rear brake pedal movement before it develops firm resistance. It should not move more than 3/8 inch (8mm) before pedal is firm.

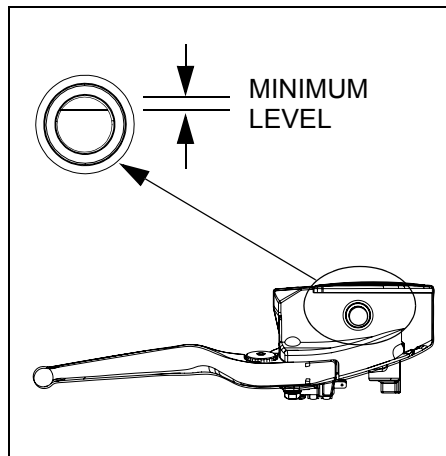


PRE-RIDE CHECKS

Front Brake Fluid Level

Inspection:

1. Stand the motorcycle upright on level ground.
2. Turn the handlebars until the top of the front brake fluid reservoir is level.
3. View the brake fluid through the sight glass. The fluid should be clear and at a level above or near the top of the sight glass as shown. Add brake fluid if necessary. See page 170.



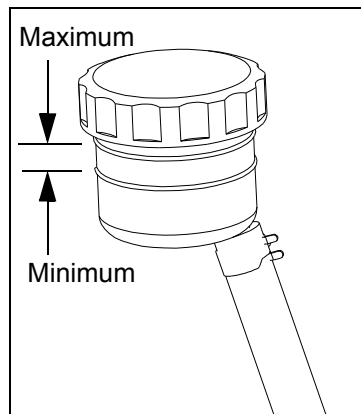
Pre-Ride

PRE-RIDE CHECKS

Rear Brake Fluid Level

Inspection:

1. The rear brake fluid reservoir is located near the rear brake pedal, just inside the right lower leg fairing (view from front right side, see page 171).
2. Stand the motorcycle upright on level ground. View the brake fluid in the reservoir.
3. The brake fluid should be clear and at a level between the MIN and MAX lines marked on the reservoir.
4. Add brake fluid if necessary. See page 171.



Pre-Ride

PRE-RIDE CHECKS

Brake Hoses, Hose Connections, & Brake Caliper Seals

Inspect all brake hoses and brake hose connections for dampness or stains from leaking or dried brake fluid. Tighten any leaking connections to specified torque listed in the appropriate VICTORY service manual or contact your VICTORY dealer for service.

When checking brake pad friction material thickness (page 96) check each brake caliper for dampness or stains from leaking or dried brake fluid.

WARNING

Brake system failure could result if fluid is low or if fluid has leaked out of the brake system. Do not ride the motorcycle if any leaks are present or if there is evidence of leakage such as dampness or stains from dried fluid.

Pre-Ride

PRE-RIDE CHECKS

Check Brake Pads

Look at each front brake pad on both sides of the front disc at viewing angle (1).

Look at each rear brake pad on both sides of the rear disc at viewing angle shown (2).

You should see at least 1.5 mm of friction material on each front brake pad, and a minimum of 1.0 mm of friction material on each rear brake pad. If in doubt, measure remaining friction material.

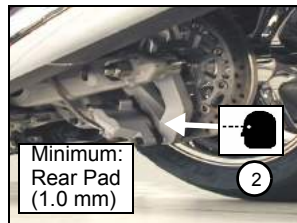
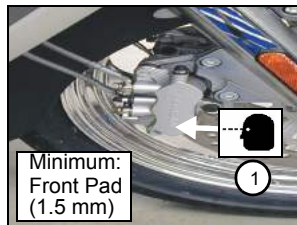
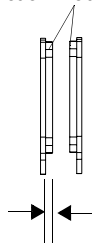
See page 172 for brake disc inspection.

Check each caliper for dampness or stains from leaking or dried fluid that would indicate a leak from caliper piston seals (behind the brake pads), a brake hose, or a connection.

Have your VICTORY dealer replace brake pads if worn beyond the minimum friction material thickness at their thinnest point, or if brake fluid leakage is evident. (See **WARNING**: page 95.)

Example of friction material thickness

Friction material

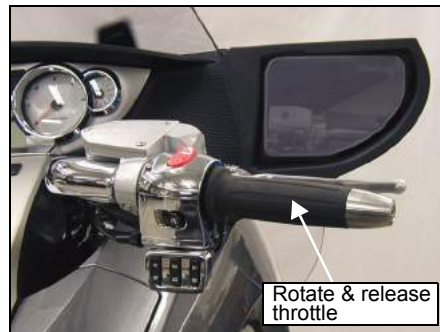


PRE-RIDE CHECKS

Check Throttle Control Grip and Cables

Inspection:

1. Rotate the throttle control grip. It should rotate smoothly from its rest position to its completely open position and back again. It should return to its rest position quickly when released.
2. Throttle freeplay, the amount of throttle control grip movement from the rest position to the point of cable resistance should be .080-.160" (2-4 mm). See page 162 for adjustment procedure.



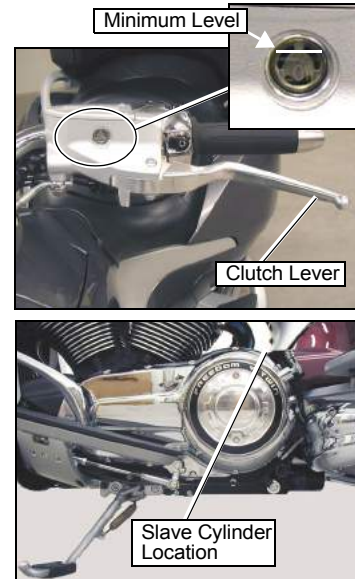
Pre-Ride

PRE-RIDE CHECKS

Check Clutch System

1. Stand the motorcycle upright on level ground.
2. Turn the handlebars until the top of the clutch fluid reservoir is level.
3. View the fluid through the sight glass. The fluid should be clear and at a level above or near the top of the sight glass. Add Dot 4 brake fluid if necessary (see page 169).
4. Check clutch lever operation by pulling the lever to the hand grip and releasing it slowly. The lever should move smoothly through the travel range.
5. Check for any signs of clutch fluid leaks around the hoses, fittings, fluid reservoir, and slave cylinder located at the rear of the left engine (primary) cover.

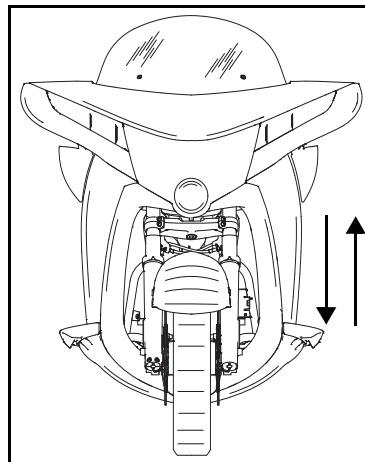
Pre-Ride



PRE-RIDE CHECKS

Check Front Suspension

1. Straddle the motorcycle and bring it to the vertical position.
2. Apply front brake and push down hard on the handlebars 3-4 times. The front suspension should operate smoothly and quietly.
3. Place the motorcycle securely on the sidestand and inspect the front forks for leaks. There should be no oil visible on the fork tubes or around the fork seals.
4. Check the fork tubes for damage caused by contact with rocks or other foreign objects.
5. Check fork inner tubes for any dirt or bugs. If necessary, clean the tubes (see page 157).

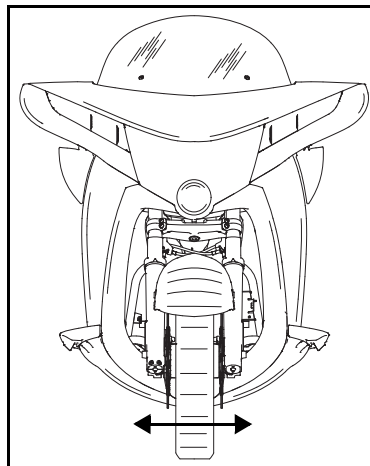


Pre-Ride

PRE-RIDE CHECKS

Check Steering

Straddle the motorcycle and bring it to a vertical position. Turn the handlebars from stop to stop. The action should be smooth but not loose or interfered with by wires, hoses or control cables.



Pre-Ride

PRE-RIDE CHECKS

Check Rear Suspension

Proper rear suspension adjustment is essential for the most comfortable ride and optimum safety. Check the rear shock absorber movement and air pressure to ensure the motorcycle has the proper amount of available suspension travel and ground clearance. See page 153 for suspension air pressure adjustment for various vehicle loads, and consult the Suspension Air Pressure Label located in the left saddlebag (near air fitting).



WARNING

Inadequate ground clearance could allow components to come into contact with the ground, causing loss of control.

Pre-Ride

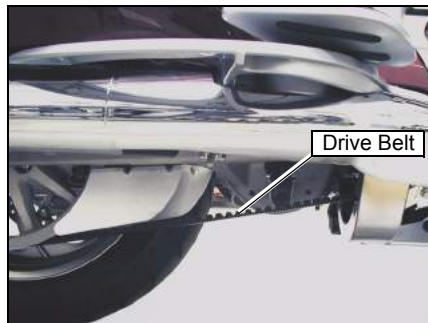
PRE-RIDE CHECKS

Check Drive Belt

The drive belt should fit tightly. Check drive belt tension (see page 147). The drive belt system must be cool, clean, and dry to accurately measure belt tension (deflection). Do not measure or adjust the drive belt when the belt or drive system is wet or when it is hot, such as immediately after riding.

Check the drive belt teeth for stones or other debris.

Replace the drive belt if it is cracked, has broken teeth, missing teeth, or frayed edges (see the service manual or an authorized VICTORY dealer).



Pre-Ride

PRE-RIDE CHECKS

Check Sidestand

Straddle the motorcycle and bring it to a vertical position. Move the sidestand to its stored (up) position, then to its fully extended (down) position and back again. It should move smoothly and quietly. When the sidestand is up, the return spring should hold it tightly against frame.

Tighten the sidestand pivot bolt if it is loose. Replace the bolt if it is worn.



Pre-Ride

PRE-RIDE CHECKS

Check Sidestand Pad Wear

The sidestand pad is a wear item and must be inspected before each ride and replaced if worn. The sidestand pad is designed to move the stand to the stored position if the stand is inadvertently left in the down position.

Check the condition of the sidestand rubber pad (1), and make sure it's firmly attached to the sidestand. Check the wear indicator (2) on the leading edge of the sidestand rubber pad. Replace the pad if worn beyond the WEAR LIMIT line on the pad.

Pre-Ride



PRE-RIDE CHECKS

Check Fasteners

Visually inspect the entire motorcycle chassis and engine for loose, damaged or missing fasteners. Tighten loose fasteners to the proper torque (see the service manual for torque specifications not listed in this *Rider's Manual* or contact an authorized VICTORY dealer).

Immediately replace stripped, damaged or broken fasteners with genuine VICTORY fasteners.



WARNING

The fasteners on your motorcycle were specified during the design process for their specific purpose. Never substitute fasteners if replacement is necessary.

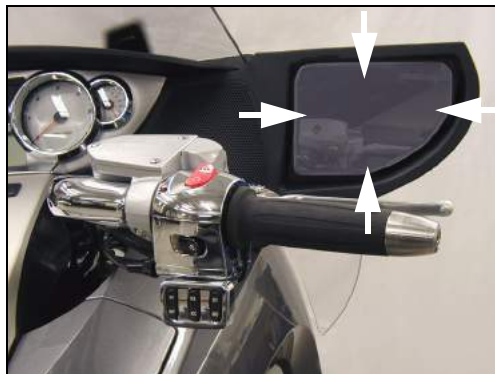
Pre-Ride

PRE-RIDE CHECKS

Check Mirror Adjustment

Check and adjust mirrors for proper rear view.

Press the left, right, top, or bottom edge of the mirror as required to adjust.



Pre-Ride

OPERATION

OPERATION Vehicle Operation

The operation section of this manual describes how to ensure maximum performance and longevity through the proper care and operation of your motorcycle.

NOTE: Even if you're an experienced motorcycle operator or passenger, read all of the safety information in this manual before operating the motorcycle. See page 7.

Important areas covered by the operation section include:

- Engine Break-In
- Fueling
- Starting the Engine
- Shifting Gears
- Accelerating
- Using Cruise Control
- Braking
- Stopping the Engine
- Parking

Operation

OPERATION

Engine Break-In Period

During the first 500 miles (800 kilometers), critical engine parts require special wear-in procedures so they seat and mate properly. Read, understand and use the following rules for operating the motorcycle during the first 500 miles (800 kilometers) to ensure your engine's long-term performance and durability.

CAUTION

**Do not put unnecessary load on the engine during the first 500 miles (800 kilometers).
Avoid prolonged full throttle operation or any condition that creates excessive engine heat.**

OPERATION

Engine Break-In Period (Cont.)

0-90 miles (0-145 Kilometers)

Do not operate the motorcycle for extended periods of time at throttle positions above 1/3 throttle. Vary the engine speed of the motorcycle. Do not operate the motorcycle for extended periods of time at any one set throttle position.

91-300 miles (146-483 Kilometers)

Do not operate the motorcycle for extended periods of time at throttle positions above 1/2 throttle. Vary the engine speed of the motorcycle. Do not operate the motorcycle for extended periods of time at any one set throttle position.

301-500 miles (484-800 Kilometers)

Do not operate the motorcycle for extended periods of time at throttle positions above 3/4 throttle.

After 500 miles (After 800 Kilometers)

Perform initial maintenance as described in the Maintenance section of this *Rider's Manual*. This maintenance is one of the most important services your motorcycle requires and should be performed by an authorized VICTORY dealer. Initial maintenance service must include inspection / adjustments, tightening of fasteners, and engine oil and filter change. Performing this maintenance at the required mileage point helps ensure peak engine performance, minimal exhaust emissions, and maximum service life of the engine.

OPERATION

Fueling Precautions

Fuel the motorcycle with the sidestand down and on level ground. Use only the recommended fuel (see Fuel Specifications on page 247). Fill the fuel tank to a level just below the bottom of the fuel filler neck. Fuel door operation is on page 77.

WARNING

- Do not allow gasoline to come into contact with a hot engine or exhaust system. This could cause a fire. Immediately wipe, or rinse with water, gasoline spilled on any part of the motorcycle or the surrounding area.
- Do not fill the fuel tank above the fuel filler insert. Overfilling the fuel tank may cause fuel to overflow when it expands.
- Fuel may leak from an improperly seated fuel cap. Be sure the fuel cap properly seated before starting the engine.

CAUTION

Fuel can damage painted surfaces and plastic parts. Wipe spilled fuel immediately from the motorcycle using a clean, dry, soft cloth.

OPERATION

Priming the Fuel System

If the motorcycle has run completely out of fuel, prime the system before starting the engine.

1. Fill the fuel tank.
2. Turn the ignition key ON.
3. Turn the engine stop switch to the RUN position (the fuel pump will run momentarily).
4. Wait for the pump to stop running (about 3 seconds).
5. Turn the engine stop switch to STOP and wait 10 seconds.
6. Repeat steps 3-5 four or five times to thoroughly prime the fuel system.
7. Turn ignition key OFF.
8. Start the engine following normal procedures.



OPERATION

Starting The Engine

Starter Interlock

A starter interlock system prevents the motorcycle from being started in gear unless the clutch lever is pulled in (clutch disengaged).

Tilt Sensor

A tilt sensor stops the engine if the motorcycle tips beyond 45 degrees to one side. The check engine light will also illuminate. To restart the engine, cycle the ignition switch to the OFF position, wait 10 seconds, then restart the engine.

NOTE: If the motorcycle ran out of fuel completely, prime the fuel system before attempting to start the engine. See “Priming the Fuel System” on page 111.

1. Perform the *Pre-Ride Checks* beginning on page 85.
2. Mount the motorcycle and bring it to an upright position. Insert the ignition key into the ignition switch and turn it to the ON position.
3. Set the Stop / Run switch to the RUN position. You should then hear the fuel pump run momentarily (about 3 seconds) as it pressurizes the fuel system. When the ignition key is turned off, a clicking sound from the IAC valve is normal.

(Continued on next page)

OPERATION

Starting The Engine (Cont.)

4. Place the sidestand in the UP (retracted) position.
5. If the NEUTRAL light is not illuminated, shift the transmission to neutral.
6. Apply the front brake. Leave the throttle closed and press the starter button until the engine starts. Allow the engine to warm up at idle. (If the engine does not start after a few seconds, release the button, wait 5-10 seconds and then press the button again. Hold the starter button for as short a time as possible to minimize battery drain. Do not push the starter button for more than 10 seconds at any one time.)

CAUTION

Do not rev the engine or put the transmission in gear immediately after starting the engine. Allow the engine to idle for one minute after a cold start (longer in cold weather). This will allow time for oil to reach all areas before putting the engine under load.

NOTE: If either the Check Engine indicator or the Low Oil Pressure indicator stays on after the engine starts, STOP THE ENGINE IMMEDIATELY. See *Check Engine Indicator* (page 59) or *Low Oil Pressure Indicator* (page 60) for more information.

OPERATION

Shifting Gears (General)

WARNING

The clutch must be fully disengaged (clutch lever pulled completely toward the handlebars) before you attempt to shift gears. Forced shifting (shifting without the clutch disengaged) may damage the engine, transmission, and drive train, causing loss of control of the motorcycle.

The gear shift pedal is operated by the left foot. Shift to a higher gear by lifting the front peg of the pedal with your toe. Shift to a lower gear by pressing down on the peg with your toe.

Neutral is located between first and second gear. The transmission is in neutral when the motorcycle moves forward or backward freely while the clutch is engaged (clutch lever released). With the ignition switch in the ON position, the Neutral indicator illuminates when the transmission is in neutral.



OPERATION

Shifting Gears (Recommended Shift Speeds)

The following table shows the appropriate speeds at which to shift up or down to each gear.

RECOMMENDED SHIFT SPEEDS

Upshift (Acceleration) Gear Change	Upshift Speed	Downshift (Deceleration) Gear Change	Downshift Speed
1st to 2nd	18 mph (29 km/h)	O/D to 5th	50 mph (80 km/h)
2nd to 3rd	30 mph (48 km/h)	5th to 4th	35 mph (56 km/h)
3rd to 4th	40 mph (64 km/h)	4th to 3rd	25 mph (40 km/h)
4th to 5th	50 mph (80 km/h)	3rd to 2nd	15 mph (24 km/h)
5th to O/D	60 mph (96 km/h)	2nd to 1st	10 mph (16 km/h)

OPERATION

Shifting Gears (Upshifting)

1. Start the engine (page 112).
2. With the engine at idle, apply the front brake and disengage the clutch (pull the clutch lever all the way to the handlebar.)
3. Push the shift pedal down with your toe until you feel it stop in first gear, then release the shift pedal and the front brake lever.
4. Simultaneously moving both clutch lever and throttle grip with a smooth, gentle motion, gradually engage the clutch (release the clutch lever slowly) and open the throttle (roll the throttle control grip toward you slowly).
5. As the clutch begins to engage the motorcycle will begin to move forward.
6. To shift to the next gear, accelerate smoothly to the recommended shift point (See "RECOMMENDED SHIFT SPEEDS" on page 115).
7. With a quick motion, simultaneously close the throttle completely and disengage the clutch (pull in the clutch lever).
8. Raise the shift pedal with your toe until you feel the pedal stop at the next gear.
9. Simultaneously open the throttle and release the clutch lever with a smooth, gentle motion.

OPERATION

Shifting Gears (Downshifting)

WARNING

Downshifting at a speed in excess of the recommended downshift point may severely damage the transmission or cause the rear wheel to lose traction. It could also result in engine damage from running at excessive RPM. Reduce speed before downshifting and do not downshift at a speed above that in the table of recommended shift points.

Downshifting abruptly on wet, rough, loose or slippery surfaces can cause the motorcycle to skid. When downshifting while passing over such surfaces, release the clutch lever very gradually.

Downshifting on a curve may cause the rear wheel to lose traction. Downshift before entering a curve. Release the clutch lever gradually.

OPERATION

Shifting Gears (Downshifting, Cont.)

NOTE: Within the recommended speed ranges you can downshift to reduce vehicle speed or to increase the available power. You may want to downshift when climbing a hill or passing. Downshifting also helps to decrease your speed when combined with closing the throttle. See "RECOMMENDED SHIFT SPEEDS" on page 115 and the downshifting WARNING on page 117.

1. To shift to a lower gear, simultaneously pull in the clutch lever and close the throttle. Shift into the next lower gear by depressing the shift pedal with your toe.
2. Simultaneously release the clutch lever and open the throttle.

OPERATION

Accelerating

To accelerate, open the throttle (roll the throttle control grip toward you). For even acceleration, open the throttle with a smooth, continuous motion.

When you reach the recommended speed for upshifting, shift up one gear in accordance with the instructions for shifting gears. See “Shifting Gears (Upshifting)” on page 116. The more quickly you open the throttle, the more quickly the motorcycle accelerates.



WARNING

Abrupt acceleration can cause your body to shift suddenly toward the rear of the motorcycle.

Accelerating abruptly on wet, rough, loose, or slippery surfaces may cause the rear wheel to lose traction. When accelerating on such surfaces, whether you are at a stop or already in motion, open the throttle gradually.

OPERATION

Cruise Control Safety

Read all of the important information below and on the following pages so you can safely operate the Cruise Control system.

WARNING

Improper operation of the cruise control could result in a loss of control and serious personal injury or death.

WARNING

Do not engage the cruise control when riding in the rain or on slippery surfaces such as wet roads, sand or gravel surfaces. Do not engage the cruise control when riding in traffic or in congested areas.

OPERATION

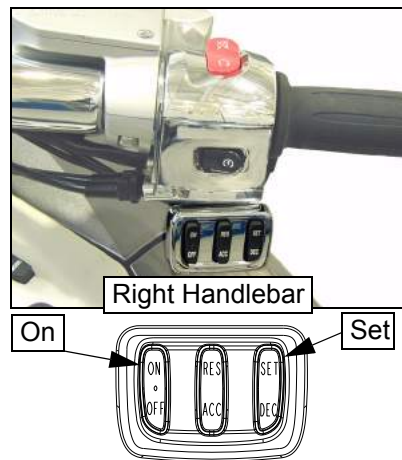
Cruise Control Operation - Setting

To set the cruise control (if equipped):

1. Turn the cruise control power switch ON.
2. Accelerate to the desired speed and press the SET button. This speed will be logged in memory.
3. The CRUISE indicator lamp on the display will illuminate.

Cruise control notes:

- Cruise control can be set in any gear.
- The cruise control can be activated between speeds of 25-95 mph (40-153 kph).
- Set speed will vary slightly in hilly terrain.
- The cruise control will not resume a pre-set speed if the resulting accel / decel rate is too high or too low. Example: If you are in 6th gear and try to resume a set speed from 40mph, the cruise may disengage.
- Brake lights must be working properly.



OPERATION

Cruise Control Operation - Resume, Accelerate

RESUME

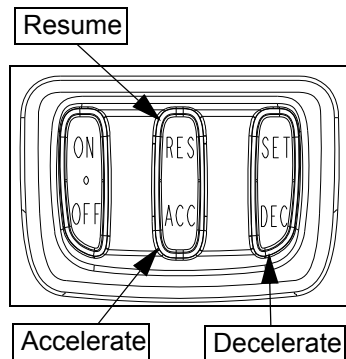
Pressing the Resume button (RES) will reset the cruise to the memorized speed after braking or disengaging the cruise control with either brake, throttle, or clutch.

NOTE: Turning the cruise control master switch OFF will erase the SET speed from memory and disengage the cruise control.

ACCELERATE

Press (tap) and release the Accelerate (ACC) button to increase speeds in approximately 1 mph increments. Press and hold the ACC button to accelerate the vehicle to a new SET speed until released, or until a maximum increase of approximately 10 MPH is achieved (whichever comes first).

NOTE: If you use the throttle to accelerate and then release it, the cruise will resume the original SET speed.



OPERATION

Cruise Control Operation - Decelerate / Cancel DECELERATE

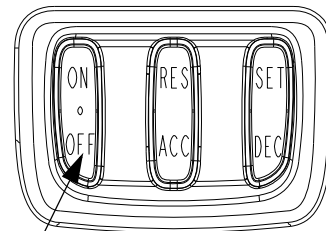
Press (tap) and release the Decelerate (DEC) button to decrease speeds in approximately 1 mph increments. Press and hold the DEC button to reduce SET speed to desired speed, then release to enter a new SET speed. If you hold the DEC button, the vehicle continues to decelerate to the 25 MPH minimum cruise speed.

TO CANCEL THE CRUISE CONTROL

To cancel the cruise control, do one of the following:

- Apply the front or the rear brake or both.
- Close the throttle with the twist grip.
- Pull the clutch lever in.
- Turn the cruise control master switch to OFF.

NOTE: Turning the cruise control master switch OFF will erase the SET speed from memory.



OFF

OPERATION

Braking

To slow the motorcycle with the brakes, close the throttle and apply the front and rear brakes evenly. As the motorcycle slows, either disengage the clutch or downshift each time your speed reaches a downshift point. Applying slightly more front brake than rear brake generally gives you the best braking performance. Do not apply the brakes so forcefully or quickly that either wheel stops rotating. Leave sufficient distance so you can apply the brakes gradually if you need to stop.



WARNING

- Do not apply either brake so strongly that the wheel stops rotating. This can cause loss of control.
- Braking hard on wet, rough, loose, or slippery surfaces can cause the motorcycle to skid, and you could lose control of the motorcycle. Apply the brakes lightly on such surfaces.
- Braking while in a curve can cause loss of control. Bring the motorcycle to the upright position before applying the brakes, and avoid applying the brakes in a corner if at all possible.

OPERATION

Stopping The Engine

Before stopping the engine, bring the motorcycle to a complete stop either in neutral or with the clutch disengaged. Once the motorcycle is at a complete stop, if it is not already in neutral, shift into neutral. To stop the engine, set the engine STOP/RUN switch to the STOP position, turn the ignition switch to the OFF position, and remove the ignition key.

NOTE: A momentary clicking noise from the Idle Air Control (IAC) valve is normal when the ignition key is turned to OFF.



WARNING

- **Stopping the engine while the motorcycle is in motion and the transmission is engaged may damage the engine and the transmission or cause the rear wheel to lose traction. In either case, you could lose control.**
- **If the motorcycle is in motion and the engine stops on its own, guide the motorcycle to a safe location off the road and away from traffic.**

OPERATION

Parking the Motorcycle

WARNING

The engine and exhaust pipes are hot for some time after the engine is stopped. Touching the engine or exhaust pipes while hot can cause serious burns. Allowing flammable materials to contact a hot engine or exhaust pipes may cause a fire. Park the motorcycle where people will not touch the engine or exhaust pipes and where it is not near flammable materials.

Choose a flat, firm surface to park the motorcycle. Brake to a complete stop, place the transmission in neutral, and stop the engine. Extend the sidestand fully, turn the handlebars to the left, and lean the motorcycle onto the sidestand. Make sure the motorcycle is stable when it rests on the sidestand. Remove the ignition key.

If you must park on a slope, position the front wheel uphill and place the transmission in gear. If you must park on a soft surface, place a sidestand plate under the foot of the sidestand.

NOTE: Make sure the sidestand plate is strong and large enough to support the weight without sinking into the parking surface.

OPERATION

Reverse

NOTICE: Do not attempt to engage or disengage the reverse system when the motorcycle is moving.

BEFORE operating in reverse	NEVER operate in reverse
<ul style="list-style-type: none">• always sit on the motorcycle with legs astride and both feet on the ground.• always check for obstacles or people behind the motorcycle.• always retract the sidestand fully.• always make sure the motorcycle is not moving.	<ul style="list-style-type: none">• when you are not seated in a normal operating position• when in an area where obstacles or bystanders are present.• with a passenger on board. A passenger can obstruct your view and maneuverability.• on loose or slippery surfaces. Loss of foot traction could cause a tip-over.• when the motorcycle is moving.• on a grade or uneven surfaces.

NOTE: The starter system will not function if the reverse lever is *engaged*. If the reverse system fuse blows, the starter button will not function even if the reverse lever is *disengaged*. The fuse must be replaced. See “Fuse Replacement” on page 186.

OPERATION

Reverse

1. Check the area behind and around the motorcycle for obstacles or people. Be aware that the front wheel may travel outward and require a larger operating area.
2. If already seated, dismount any passenger and make sure the motorcycle is stationary.
3. Bring the motorcycle upright and retract the sidestand. Sit in a normal riding position with legs astride and both feet on the ground.
4. Place the transmission in neutral. Start the engine and allow it to idle.
5. Verify that the sidestand is fully retracted (UP) and that the motorcycle is stationary.
6. Lift the reverse lever and verify that the reverse indicator (R) displays in the Information Display.
7. Recheck the area behind and around the motorcycle to ensure a clear operating area.
8. While balancing the motorcycle with your legs and feet, press and hold the START button to begin moving in reverse. Release the button to stop moving.
9. When completely stopped, move the reverse lever down to the disengaged position. Verify that the neutral indicator (N) displays before stopping the engine.

NOTE: The engine will stop if you shift into forward gear before disengaging the reverse lever.

MAINTENANCE

Maintenance Guidelines

This section includes basic maintenance information for maintaining your motorcycle. Included is a Periodic Maintenance Interval chart, which outlines the regular service required to keep your motorcycle in the best operating condition. Regular service increases motorcycle durability, safety, and dependability, and it provides greater riding pleasure. Also refer to the safety-related maintenance information beginning on page 25.

Before you begin any maintenance procedure, read the instructions for the entire procedure. Then you can decide whether you have the time, tools, and mechanical ability to complete a procedure properly. Choose a flat, firm surface for servicing the motorcycle.

During maintenance you might use products that are potentially hazardous; such as oil or brake fluid. When using any of these products, follow the instructions and warnings on the product packaging. **Review and comply with ALL Warnings on the following pages.** Some maintenance procedures and repairs require advanced technical skills and special tools. Your VICTORY dealer has the equipment and training required to properly perform all maintenance, service, repairs, and emission system related service.

MAINTENANCE

Maintenance Safety Reminders

Review all warnings below as well as any warnings contained within this manual that apply to a specific maintenance procedure and all information on maintenance product labels before attempting any maintenance or service procedure.



WARNING

Care should be taken to be sure the motorcycle will not tip or fall while elevated or while on the sidestand. Serious injury or death can occur if the motorcycle tips or falls.



WARNING

A hot engine or hot exhaust pipes can be hazardous. The engine and exhaust are hot for some time after the engine has stopped. Touching the engine or exhaust pipes while hot can cause serious burns. Allowing flammable materials to contact a hot engine or exhaust can cause a fire. Park the motorcycle where people will not touch the engine or hot exhaust pipes and where it is not near flammable materials.

MAINTENANCE

WARNING

Improper repairs or service can create unsafe conditions that can cause severe personal injury or death. If you have any doubt as to your ability to safely and correctly perform any procedure outlined in this *Rider's Manual*, whether due to the lack of knowledge, mechanical skill, or the proper equipment, contact your VICTORY dealer to have the work performed.

WARNING

Wear eye and face protection when using pressurized air.

WARNING

Never start the engine or let it run in an enclosed or confined area. Engine exhaust fumes are poisonous and can cause loss of consciousness or death in a short time.

MAINTENANCE

First Service

Perform the first service after you've ridden your new motorcycle approximately 500 miles (800 kilometers). This maintenance is one of the most important services your motorcycle requires and should be performed by an authorized VICTORY dealer. Initial maintenance includes all required adjustments, inspection or tightening of all fasteners, and an engine oil and filter change. Performing maintenance at the required mileage point helps ensure maximum performance and service life of your motorcycle.

Periodic Maintenance

Use the following Periodic Maintenance Interval table to determine how often you should perform maintenance on various components. For additional information on maintenance operations for each component listed in the table, refer to the instructions in this section and review all warnings beginning on page 130 before performing any maintenance on your motorcycle. If you have any doubt as to your ability to safely and correctly perform any procedure outlined in this *Rider's Manual*, whether due to the lack of knowledge, mechanical skill, or the proper equipment, contact your VICTORY dealer to have the work performed.

MAINTENANCE

Periodic Maintenance Table

Component	See Page	ODOMETER READING IN MILES (KILOMETERS)																					
		500 (800)	2500 (4000)	5000 (8000)	7500 (12,000)	10,000 (16,000)	12,500 (20,000)	15,000 (24,000)	17,500 (28,000)	20,000 (32,000)	22,500 (36,000)	25,000 (40,000)	27,500 (44,000)	30,000 (48,000)	32,500 (52,000)	35,000 (56,000)	37,500 (60,000)	40,000 (64,000)	42,500 (68,000)	45,000 (72,000)	47,500 (76,000)	50,000 (80,000)	
Air Filter	143	I	I	I	I	R	I	I	I	R	I	I	I	R	I	I	I	R	I	I	I	R	
Battery	179	I		I		I		I		I		I		I		I		I		I		I	
Brake Fluid	170	I	I	I	I	I	I	I	I	I	I	I	I	R	I	I	I	I	I	I	I	I	
Brake Pads	96	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	
Clutch Fluid	169	I	I	I	I	I	I	I	I	I	I	I	I	R	I	I	I	I	I	I	I	I	
Clutch Lever	165	L	L	I	L	I	L	I	L	I	L	I	L	I	L	I	L	I	L	I	L	I	
Control Cables	161	I		I		L		I		L		I		L		I		L		I		L	
Maintenance Key: I = Inspect, clean, adjust, correct or replace if necessary; P = Perform; R = Replace / Rebuild; L = Lubricate w/ proper lubricant; * = Replace at specified interval or annually; ** = Replace at specified interval or every 2 years																							

Maintenance

MAINTENANCE

Periodic Maintenance Table

ITEM	See Page	ODOMETER READING IN MILES (KILOMETERS)																				
		500 (800)	2,500 (4000)	5,000 (8000)	7,500 (12,000)	10,000 (16,000)	12,500 (20,000)	15,000 (24,000)	17,500 (28,000)	20,000 (32,000)	22,500 (36,000)	25,000 (40,000)	27,500 (44,000)	30,000 (48,000)	32,500 (52,000)	35,000 (56,000)	37,500 (60,000)	40,000 (64,000)	42,500 (68,000)	45,000 (72,000)	47,500 (76,000)	50,000 (80,000)
Crankcase Vent	160	I		I		I		I		I		I		I		I		I		I		I
Drive Belt	144	I	I	I	I	I	I	I	I	I	I	I	I	R	I	I	I	I	I	I	I	I
Drive Belt Adjust	147	P	Adjust with each tire change thereafter																			
Engine Oil & Filter*	140	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
Evaporative Emission Control	159	I		I		I		I		I		I		I		I		I		I		I
Exhaust System	178	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Fasteners	189	I		I		I		I		I		I		I		I		I		I		I
Front Brake Lever	166	L	L	I	L	I	L	I	L	I	L	I	L	I	L	I	L	I	L	I	L	I

Maintenance Key: I = Inspect, clean, adjust, correct or replace if necessary; P = Perform; R = Replace / Rebuild; L = Lubricate w/ proper lubricant; * = Replace at specified interval or annually; ** = Replace at specified interval or every 2 years

MAINTENANCE

Periodic Maintenance Table

ITEM	See Page	ODOMETER READING IN MILES (KILOMETERS)																				
		500 (800)	2500 (4000)	5000 (8000)	7500 (12,000)	10,000 (16,000)	12,500 (20,000)	15,000 (24,000)	17,500 (28,000)	20,000 (32,000)	22,500 (36,000)	25,000 (40,000)	27,500 (44,000)	30,000 (48,000)	32,500 (52,000)	35,000 (56,000)	37,500 (60,000)	40,000 (64,000)	42,500 (68,000)	45,000 (72,000)	47,500 (76,000)	50,000 (80,000)
Front Fork Oil**	157	I		I		I		R		I		I		R		I		I		R		I
Front Fork / Axle	157	I		I		I		I		I		I		I		I		I		I		I
Fuel System	159	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Gear Shift Pedal	174	I		I		L		I		L		I		L		I		L		I		L
Headlamp	187	I				I				I				I				I				I
Maintenance Key:		I = Inspect, clean, adjust, correct or replace if necessary; P = Perform; R = Replace / Rebuild; L = Lubricate w/ proper lubricant; * = Replace at specified interval or annually; ** = Replace at specified interval or every 2 years																				

MAINTENANCE

Periodic Maintenance Table

ITEM	See Page	ODOMETER READING IN MILES (KILOMETERS)																				
		500 (800)	2500 (4000)	5000 (8000)	7500 (12,000)	10,000 (16,000)	12,500 (20,000)	15,000 (24,000)	17,500 (28,000)	20,000 (32,000)	22,500 (36,000)	25,000 (40,000)	27,500 (44,000)	30,000 (48,000)	32,500 (52,000)	35,000 (56,000)	37,500 (60,000)	40,000 (64,000)	42,500 (68,000)	45,000 (72,000)	47,500 (76,000)	50,000 (80,000)
Rear Wheel Align	152	I		I		I		I		I		I		I		I		I		I		I
Rear Shock	153	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I
Rear Brake Pedal	167	I		I		L		I		L		I		L		I		L		I		L
Reverse Idler Port	173		L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
Road Test	200	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Sidestand	189	I		I		L		I		L		I		L		I		L		I		L
Sidestand Pad	189	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I

Maintenance Key: I = Inspect, clean, adjust, correct or replace if necessary; P = Perform; R = Replace / Rebuild; L = Lubricate w/ proper lubricant; * = Replace at specified interval or annually; ** = Replace at specified interval or every 2 years

MAINTENANCE

Periodic Maintenance Table

ITEM	See Page	ODOMETER READING IN MILES (KILOMETERS)																						
		500 (800)	2500 (4000)	5000 (8000)	7500 (12,000)	10,000 (16,000)	12,500 (20,000)	15,000 (24,000)	17,500 (28,000)	20,000 (32,000)	22,500 (36,000)	25,000 (40,000)	27,500 (44,000)	30,000 (48,000)	32,500 (52,000)	35,000 (56,000)	37,500 (60,000)	40,000 (64,000)	42,500 (68,000)	45,000 (72,000)	47,500 (76,000)	50,000 (80,000)		
Spark Plugs	177	I		I		I		I		I		I		I		R		I		I		I		I
Steering Head	158	I	I	I	I	I	L	I	I	I	I	I	L	I	I	I	I	I	I	L	I	I	I	I
Swingarm	155	I		I		I		I		I		I		I		I		I		I		I		I
Throttle Cable	161	I	I	I	I	L	I	I	I	L	I	I	I	L	I	I	I	L	I	I	I	I	I	L
Tires	175	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I	I

Maintenance Key: I = Inspect, clean, adjust, correct or replace if necessary; P = Perform; R = Replace / Rebuild; L = Lubricate w/ proper lubricant; * = Replace at specified interval or annually; ** = Replace at specified interval or every 2 years

Maintenance

MAINTENANCE

Maintenance Log

Maintenance Performed	Miles / Km	Notes	Performed By:

Maintenance

MAINTENANCE

Maintenance Log

Maintenance Performed	Miles / Km	Notes	Performed By:

Maintenance

MAINTENANCE

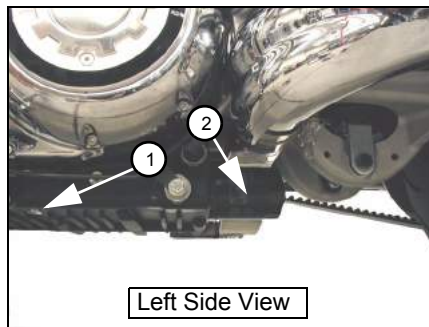
Engine Oil Level

Check the engine oil level daily before each ride.
See page 88.

Engine Oil & Filter Change

Change the engine oil at the intervals listed in the Periodic Maintenance Table on page 134.

1. Start and run the engine until it reaches normal operating temperature. Stop the engine.
2. Securely support the motorcycle on the sidestand.
3. Place an oil drain pan under the drain plug (1) and oil filter (2).
4. Remove the drain plug with a 6mm Allen wrench, allowing the oil to drain into the pan.
5. Use a 2 1/2 inch (63.5 mm) oil filter wrench to loosen the filter slowly. Allow oil to drain.



MAINTENANCE

Engine Oil & Filter Change (Cont.)

6. Clean the drain plug sealing surface on the crankcase. Remove the old seal washer from the plug and install a new one.
7. Install the drain plug and tighten to the proper torque. DO NOT overtighten.

DRAIN PLUG TORQUE: 15 lb-ft. (20 Nm).

8. Clean the oil filter mounting threads and gasket sealing surface on the crankcase.
9. Make sure the new oil filter gasket is properly seated in the new oil filter, and apply a thin film of clean engine oil to the gasket. Screw the new filter on until the gasket contacts the filter mounting plate. Tighten the filter by hand an additional 3/4 turn.
10. Fill crankcase through the oil fill cap with *approximately 4.5 quarts (4.25 liters)* of oil. Use only VICTORY brand Semi-Synthetic 20W-40 Motor Oil or equivalent oil for use with wet clutches such as JASO MA rating.

CAUTION

Do not add chemical additives to the engine oil. Some automotive engine oils contain additives that could damage or reduce the service life of the wet clutch in your motorcycle.

MAINTENANCE

Engine Oil & Filter Change (Cont.)

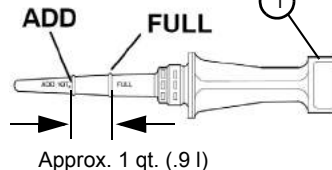
11. Reinstall the oil fill cap. Start and run the engine until it reaches normal operating temperature.

NOTE: After an oil change, the low pressure indicator remains illuminated longer than usual before going out. Do not rev the engine while the low oil pressure indicator is illuminated.

12. Stop the engine and make sure there are no leaks around the drain plug and oil filter.

13. Check the oil level and adjust if needed.

NOTICE: Recycle used oil and filter in accordance with local regulations.



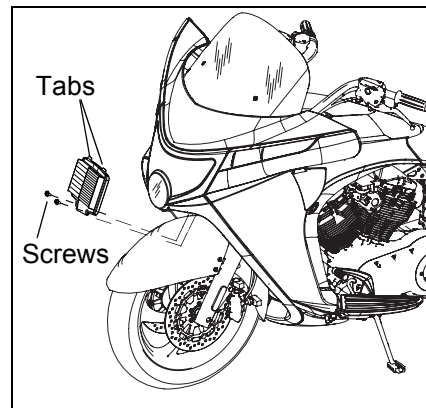
ENGINE OIL CAPACITY AT CHANGE (WITH FILTER)	Approx. 4.5 qt. (4.25 liter)
ENGINE OIL CAPACITY AT CHANGE (WITHOUT FILTER)	Approx. 4.0 qt. (3.8 liter)

MAINTENANCE

Air Filter

The standard VICTORY air filter element is a dry paper design and does not require the use of air filter oil. Inspect the air filter often if riding in unusually wet or dusty conditions.

1. Remove the two air filter retaining screws.
2. Pull the lower edge of the filter toward the front of the motorcycle then lower it to release the two tabs at the top edge. Remove the filter.
3. Clean the filter sealing surface on the frame.
4. Install the new air filter, engaging the tabs at the top of the filter with the filter case.
5. Install retaining screws.
6. Torque screws to 87 lb- in. (10 Nm).

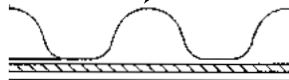
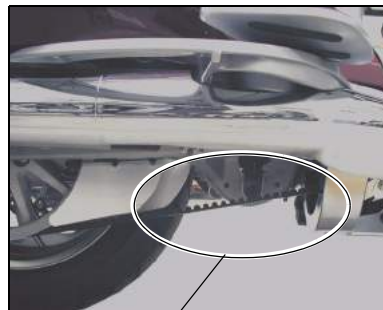


MAINTENANCE

Drive Belt Condition

Replace the drive belt if it is cracked or has broken teeth or frayed edges. No matter its condition, the drive belt should be replaced at periodic intervals (see the VICTORY service manual or an authorized VICTORY dealer).

DO NOT attempt to check belt tension if the belt has been exposed to rain or washing within a 24 hour period or if the belt is hot from riding. Allow the belt to cool down to ambient temperature before measuring belt tension. Replace drive belt and both sprockets as a set if drive belt has over 5,000 miles (8,000 km) of service at the time of damage or failure.



MAINTENANCE

Drive Belt Wear Analysis

Drive Belt Wear Analysis



Internal tooth cracks (hairline):
OK to run, but monitor condition



External tooth cracks:
Replace belt



Missing teeth:
Replace belt



Chipping (not serious):
OK to run, but monitor condition



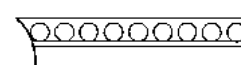
Fuzzy edge cord:
OK to run, but monitor condition



Hook wear:
Replace belt



Stone damage:
Replace belt if damage is on edge



Bevel wear (outboard edge only):
OK to run, but monitor condition

MAINTENANCE

Drive Belt Tension Data

Specifications are listed below for deflection and sonic tension. Sonic tension measurement requires Gates Sonic Tension Meter 507C or an equivalent.

Drive Belt Deflection (Using PV-43532 Tension Gauge)

Deflection
32mm ± 0.5mm

Drive Belt Sonic Tension (Using Sonic Tension Meter)

Required Data		Sonic Tension
Span	708.6	20 Hz ± 1
Belt Width	28mm	
Belt Mass Constant	8.4	

Drive Belt Tension Overview

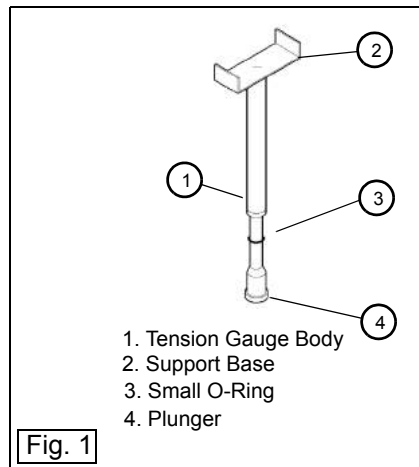
On new drive systems or belt, adjust belt tension after the first 500 miles (800 km). Adjust tension at each tire change thereafter.

This procedure involves using the belt tension gauge, part no. PV-43532, which is designed specifically for measuring drive belt tension. (You can also use a Sonic Tension Meter if available).

Before you begin:

- Make sure the drive system is clean, *dry*, and at *room temperature* (belt and sprockets).
- Be sure suspension is properly adjusted.
- Belt tension must be adjusted at the tightest spot.

MAINTENANCE



MAINTENANCE

Belt Tension Measurement Procedure

1. Safely elevate and support the motorcycle with the rear tire 1-2 inches off the floor (see page 200).
2. Place the transmission in neutral.
3. Rotate the rear wheel in a forward direction until the valve stem is at the bottom. This is your reference point for determining the tight spot to make your adjustment (if necessary).
4. Position the small O-ring on the tension gauge directly over the 10 lbs. mark on the plunger as shown in Fig. 1 on page 147.
5. Place a tape measure or steel rule next to the drive belt as shown in Fig.2, at a position midway between the sprockets. Support the rule or tape so it does not move from this position.

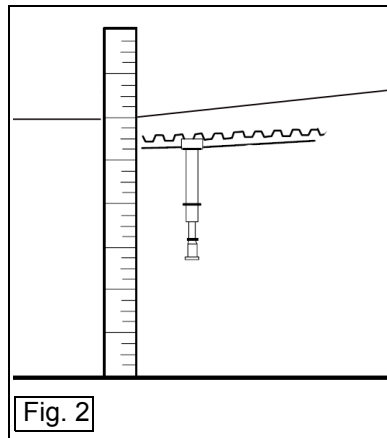
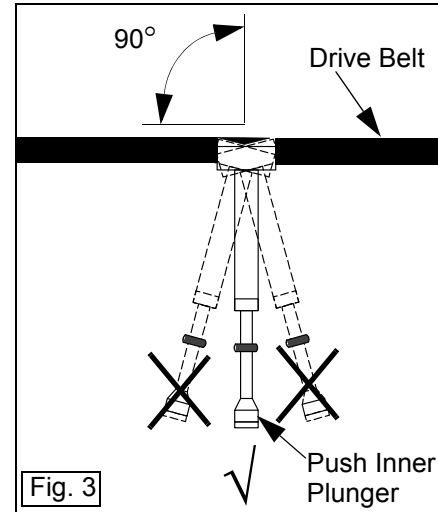


Fig. 2

MAINTENANCE

6. Note the graduation mark on the rule that aligns with the lower edge of the belt. This position represents *zero force*.
7. Place the support base of the tension gauge squarely against the lower surface of the belt as close as possible to the rule or tape.
8. Keeping the tension gauge perpendicular to the belt surface (Fig. 3) and parallel with its length, push the plunger upward until the small O-ring touches the tension gauge body.
9. Be sure the tension gauge is seated squarely against the belt, and note the graduation mark on the rule that now aligns with the lower edge of the belt. This position represents *10 lbs. force*.
10. To calculate belt tension (deflection) subtract the smaller measurement from the larger measurement and record it.

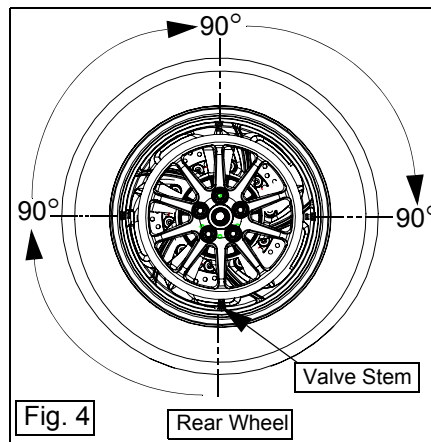


MAINTENANCE

Determine The Tightest Spot

11. Repeat the above deflection measurements with the tire's valve stem at the rear most position, top, and front most positions (90 degrees rotation each time), recording each measurement.
12. If the *tightest* measurement is not within the range specified below, belt tension must be adjusted.

Belt Deflection (Tension): $32\text{mm} \pm .5\text{mm}$



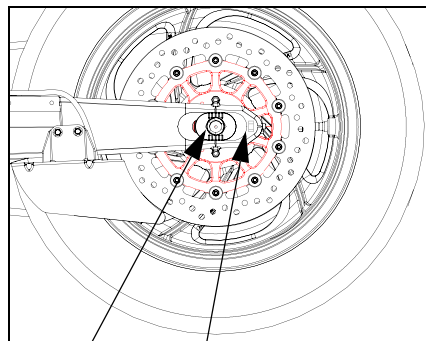
MAINTENANCE

Drive Belt Tension Adjustment

1. Move wheel to the tight spot location determined previously in *Drive Belt Tension Inspection*.
2. Loosen the rear axle nut (1) on the left side.
3. Using a 13 mm deep socket, turn each axle adjuster nut (2) *clockwise* an equal amount to tighten the belt (reduce deflection) or an equal amount *counter-clockwise* to loosen the belt (increase deflection).
4. Tighten rear axle nut to proper torque.

Rear Axle Nut Torque: 65 lb-ft. (88 Nm)

5. Pump the rear brake pedal to re-set the pads against the brake disc.
6. Verify proper belt tension (page 147) and wheel alignment (page 152).



1

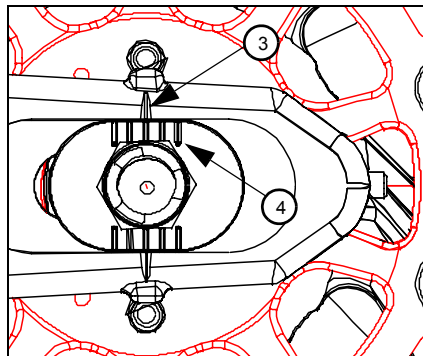
2

Nut is hidden by swingarm. (Shown for clarity)

MAINTENANCE

Drive Belt / Rear Wheel Alignment

1. Look at the alignment reference marks (3) on each side of the swingarm and the marks (4) on the axle plates to verify proper wheel alignment. Axle plate mark to reference mark alignment must be the same on both sides.
2. If the marks are not aligned, perform all steps of the Belt Tension Adjustment procedure (page 151).
3. Before and after tightening the axle nut, verify belt tension and wheel alignment are both correct.



MAINTENANCE

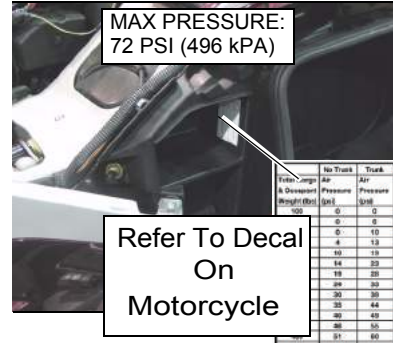
Rear Suspension Adjustment

To provide the most comfortable ride and proper ground clearance, adjust air pressure in the rear shock absorber as specified on the decal (located in left saddlebag area) for total cargo and occupant weight.

Follow these guidelines to adjust air pressure:

- Rest motorcycle on sidestand on level ground. Remove all riders and cargo.
- VICTORY Air Pump & Gauge PV-48909 is preferred for checking and adjusting pressure. If not available, use a pressurized air source (maximum line pressure 72 PSI) and the gauge provided in the tool kit. **DO NOT exceed 72 PSI (496 kPa) in the shock.**
- Use **ONLY A DRY AIR SOURCE**, such as a system with a water separator or air line dryer to prevent moisture from entering the shock. The shock has small volume. Air pressure increases **VERY** quickly when using pressurized air.

NOTE: Each time pressure is checked with the gauge in the tool kit, approximately 4 PSI (27.5 kPa) is lost to fill the volume of the gauge. Once you've set the pressure with the gauge, remove it quickly to minimize leakage, and expect to see a reduction from the previous reading of about 4 PSI if you recheck the pressure with the tool kit gauge.

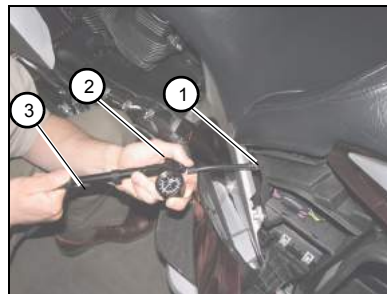


MAINTENANCE

Rear Suspension Adjustment (Cont.)

Adjustment Procedure

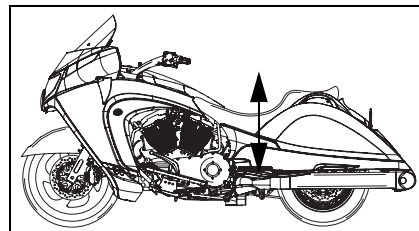
1. Open left saddlebag door.
2. Remove cap from air fitting (1) in left bag.
3. Read recommended air pressure from decal for total cargo and occupant weight. Use the appropriate column (with trunk or no trunk).
4. Screw hose fitting of PV-48909 securely onto air fitting and read air pressure on gauge.
5. To REDUCE air pressure, push the bleed button (2) located on side of gauge. Bleed pressure in small amounts until desired pressure is indicated on gauge. Remove the tool hose from air fitting and install the cap.
6. To INCREASE pressure, install the gauge select the desired pressure from the chart as described in steps 1-4 above. Pump the handle (3) until pressure increases to the desired amount, then remove the hose and install the cap.
DO NOT exceed 72 PSI (496 kPa) in the shock.



MAINTENANCE

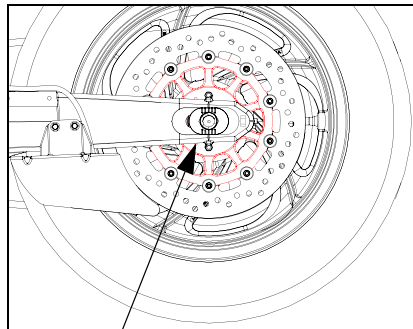
Swing Arm / Rear Axle Inspection

1. Sit in the operator's seat and bounce the rear suspension a few times, checking for free movement without binding. Listen for abnormal noises.
2. Safely elevate and support the motorcycle with the rear tire 1-2 inches off the floor (see page 200).
3. Grasp the rear-most surface of the rear tire and attempt to move the wheel side to side. If there is movement at the front of the swingarm, check the swingarm pivot nut torque and swingarm pivot bearings.
4. Contact your VICTORY dealer for service if you detect noise or movement at the swingarm pivot.



MAINTENANCE

5. Grasp the top or bottom surface of the tire and try to move it side to side. If there is movement at the rear axle, inspect wheel bearings and rear axle nut torque.
6. Contact your VICTORY dealer for service if you detect noise or movement at the wheel bearings.
7. With the transmission in neutral, slowly rotate the rear wheel. If the wheel does not rotate smoothly, have your VICTORY dealer inspect the wheel bearings, drive belt adjustment, wheel alignment, or rear brakes as required.



Check for movement in wheel bearing area.

MAINTENANCE

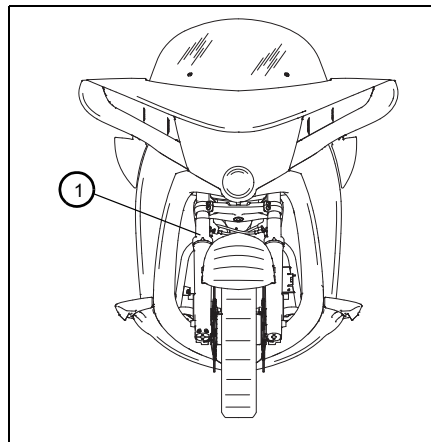
Front Fork / Suspension Inspection

Remove any dirt, debris, or bugs from the front fork inner tubes (1) to prevent seal damage from abrasion using warm water and a mild detergent.

Inspect front forks for abnormal noise as outlined in Pre-Ride Inspection on page 99.

Front Fork Oil

Replace fork oil in accordance with the Periodic Maintenance Table on page 135. See your VICTORY dealer for front fork service.



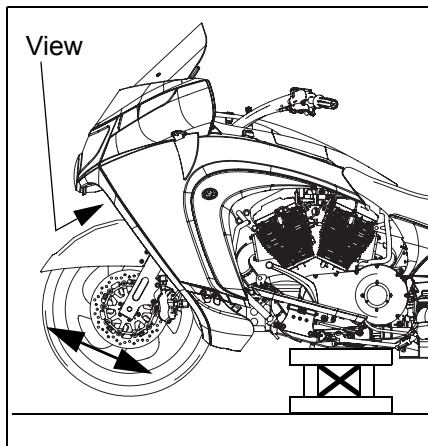
MAINTENANCE

Steering Head Inspection

Support the motorcycle with the front 1-2 inches off the floor (see page 200).

Move the handlebars from full left to full right. Movement should be smooth without any rough spots.

Alternately push and pull on the lower fork legs and feel for movement in the steering head area. See your VICTORY dealer if any movement is detected.



MAINTENANCE

Check Fuel System Components

Fuel system hoses & connections - Inspect fuel hoses for cracks or damage. Inspect hose connections at the fuel tank and at the fuel rail for dampness or stains from leaks.

Evaporative Emission Control System

Visually inspect all evaporative emission control system hoses and connections. Make sure all connections are tight. Inspect connections at the evaporative emissions canister to be sure they are secure. The canister (1) is located on the left side of the motorcycle near the oil cooler.



Evaporative Emissions
Canister (California Models)

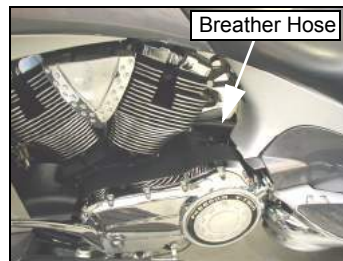
MAINTENANCE

Fast Idle

A fast idle speed during warm up of between 1200 and 2000 RPM is automatically set by the EFI system Idle Air Control (IAC). Periodic adjustment is not required.

Crankcase Breather Hose

Inspect the crankcase breather hose for cracks or damage. Be sure the clamps are in place and secure.

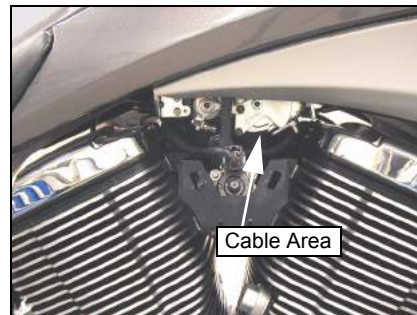


MAINTENANCE

Throttle Control Inspection

With the engine OFF, rotate the throttle control grip fully open and then release it.

1. Repeat the twist and release process with the handlebars turned fully RIGHT and fully LEFT.
2. Verify that the throttle grip moves smoothly throughout the range of motion and returns to its rest position freely and completely when released.
3. Remove the triangular cover from the right side of the motorcycle by pulling straight outward at each corner to release the three tabs. Inspect cables for frayed ends. Contact your VICTORY dealer if throttle operation is not smooth, if the throttle grip does not return properly, or if cable ends are frayed.



MAINTENANCE

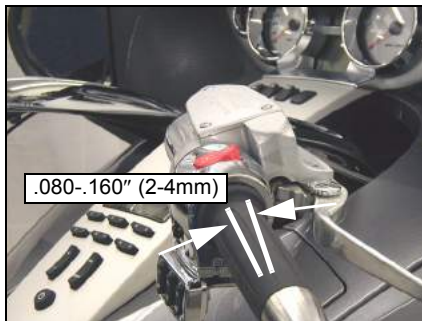
Throttle Cable Freeplay

Throttle cable freeplay, the amount of control grip movement from the rest position to the point of cable resistance, should be .080-.160" (2-4 mm).

Throttle Cable Freeplay Adjustment Procedure:

Throttle Opening Cable Adjustment

1. With the handlebars pointed straight ahead, and the engine OFF, loosen the cable lock nuts by turning them counter-clockwise (viewed from the throttle grip) until they stop.
2. Turn both cable adjusters toward the lock nuts until they stop lightly against the lock nuts.
3. Turn the throttle opening cable adjuster (front cable) out until freeplay is within specified range. (See Fig. 5 on following page).

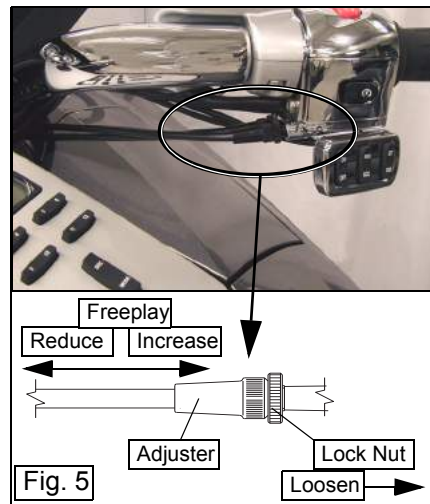


MAINTENANCE

4. Hold the adjuster in place, and tighten the lock securely (by hand) against it.

Throttle Closing Cable Adjustment

1. Hold the throttle grip lightly in the closed position.
2. Turn the throttle closing cable (rear cable) adjuster out just until slight resistance is felt.
3. Hold the adjuster in place, and tighten the lock securely (by hand) against it.
4. Verify the throttle grip moves smoothly and returns freely when released in all handlebar positions. Contact your VICTORY dealer if throttle operation is not smooth or if the throttle grip does not return properly.

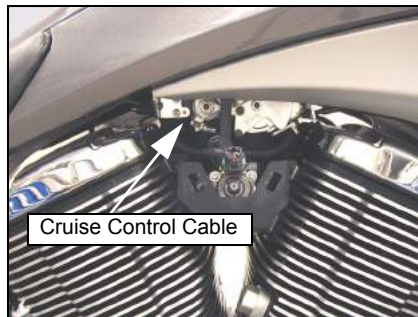


MAINTENANCE

Cruise Control Cable

(If equipped)

1. Remove the triangular cover from the right side of the motorcycle by pulling straight outward at each corner to release the three tabs.
2. Inspect the throttle body end of the cruise control cable for fraying and be sure the end is secured in the bracket.



MAINTENANCE

Clutch Lever

1. Squeeze the clutch lever to the handlebar and release it. The lever should move smoothly without binding and return smoothly to the engaged position (out).
2. Lubricate the pivot bushing with VICTORY All Purpose Grease (P/N 2872187) or a light spray lubricant at regular intervals in accordance with the Periodic Maintenance Table on page 133, or whenever binding is evident.

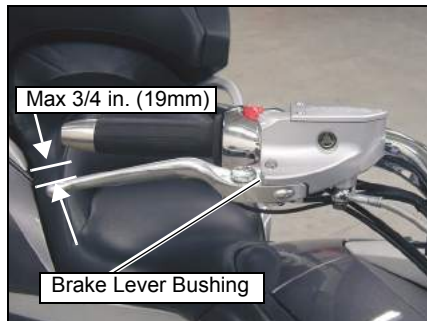


MAINTENANCE

Front Brake Lever

The front brake lever reach (distance to the handlebar) see page 72.

1. Squeeze the brake lever until firm and release it. The lever should move smoothly without binding and return smoothly to the rest position.
2. Lubricate the pivot bushing with VICTORY All Purpose Grease (P/N 2872187) or a light spray lubricant at regular intervals in accordance with the Periodic Maintenance Table on page 134.
3. Check brake pads as outlined on page 96. Check the amount of front brake lever movement before it develops firm resistance. It should not move more than 3/4 inch (19 mm) inch before lever is firm. If movement is excessive, contact you VICTORY dealer for service.



MAINTENANCE

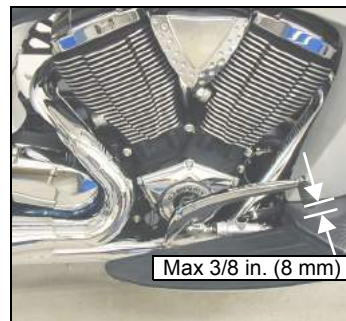
Rear Brake Pedal

Check the amount of rear brake pedal movement before it develops firm resistance. It should not move more than $\frac{3}{8}$ inch (8mm) before pedal is firm.

If pedal movement is excessive, contact your VICTORY dealer for service.

Lubricate the rear brake pedal pivot bushing with VICTORY All Purpose Grease (P/N 2872187) or a light spray lubricant at regular intervals in accordance with the Periodic Maintenance Table on page 136.

Check brake pads for wear as outlined on page 96.



MAINTENANCE

Brake Fluid Precautions

WARNING

Do not operate the front brake with the reservoir cover removed. Fluid could overflow from the reservoir and allow air to enter the system. Air in the brake system could cause the brakes to malfunction.

WARNING

Use only DOT 4 Brake Fluid from a sealed container. Using the wrong brake fluid, or allowing contaminants into the brake fluid system, can cause brake system malfunction.

NOTICE: Brake fluid attacks painted surfaces and plastic parts. Always clean spilled brake fluid immediately with plenty of water and mild detergent.

MAINTENANCE

Clutch Fluid

Review Brake Fluid Precautions on page 168.

1. Set the vehicle upright on a level surface and turn handlebars until top of reservoir is level.
2. View the fluid level through the sight glass.
3. If level is low, check hoses, lines, and slave cylinder (on left rear of crankcase) for leaks.
4. To add fluid, remove the three reservoir cover screws, cover, and diaphragm.
5. Add DOT 4 Brake Fluid from a sealed container to the proper level. Reinstall the cover and torque screws to 25 lb-in. (3 Nm). Wipe cap area clean to remove any brake fluid.
6. Check for any signs of clutch fluid leaks around the hoses, fittings, fluid reservoir, and slave cylinder. Check for deterioration of hoses.



MAINTENANCE

Front Brake Fluid Level

Review Brake Fluid Precautions on page 168.

1. Set vehicle upright on a level surface and turn handlebars until top of reservoir is level.
2. View the fluid level through the sight glass.
3. If level is low, check brake pads for wear (page 96). If pads are not worn past the service limit, inspect the brake system for leaks.
4. To add fluid, remove the three reservoir cover screws, cover, and diaphragm.
5. Add DOT 4 Brake Fluid from a sealed container to the proper level. Reinstall the cover and torque screws to 25 lb-in. (3 Nm). Wipe cap area clean to remove any brake fluid.
6. Check for signs of brake fluid leaks around hoses, fittings, reservoir, and brake calipers. Check for deterioration of hoses.

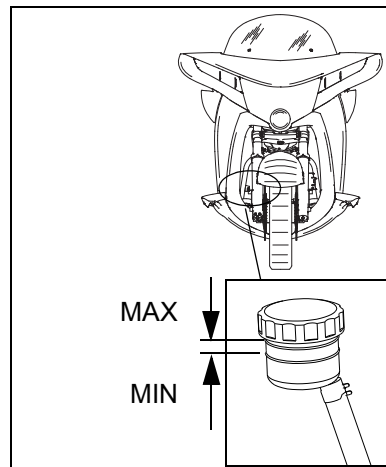


MAINTENANCE

Rear Brake Fluid

Review Brake Fluid Precautions on page 168.

1. Set vehicle upright on a level surface and view the rear brake fluid reservoir through the right leg fairing.
2. The fluid level must be between the MIN and MAX level lines on the reservoir.
3. If level is low, check brake pads for wear (page 96). If pads are not worn past the service limit, inspect the rear brake system for leaks.
4. To add fluid, remove reservoir cover with diaphragm by turning it counter-clockwise (as viewed from top).
5. Add DOT 4 Brake Fluid from a sealed container to the proper level. Reinstall the cover and diaphragm and install the cover securely. Wipe cap area clean to remove any brake fluid.
6. Check for signs of brake fluid leaks around hoses, fittings, reservoir, and brake calipers. Check for deterioration of hoses.



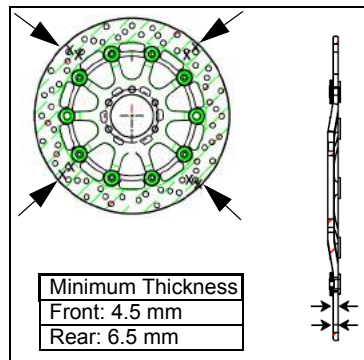
MAINTENANCE

Brake Disc Inspection & Cleaning

Check brake pads for wear as outlined on page 96.

Visually inspect front and rear brake discs for nicks, scratches, cracks, or other damage. Inspect the thickness of each disc in at least four different points around the disc. If any disc is worn to minimum thickness at the thinnest point, or if damaged, contact your VICTORY dealer for replacement.

Clean discs if minor squeaks develop due to dirt or dust. Apply VICTORY Brake Cleaner (P/N 2872191) to a clean shop towel and wipe disc. DO NOT allow brake cleaner to contact painted or plastic parts. Read all precautions on the label.



Brake Hoses and Connections

Inspect all brake hoses and connections. If leaks or stains from leaking or dried fluid are evident, see your VICTORY dealer for service.

MAINTENANCE

Reverse Idler Port

Lubricate the reverse idler shaft and gear at every oil change (except the 500 mile/800 km break-in service). Refer to the Periodic Maintenance Table. We recommend the use of VICTORY Multi-Purpose Lubricant (P/N 2872863).

1. Stop the engine and position the motorcycle on its sidestand.
2. Remove the idler port screw from the reverse gear cover.
3. Spray the lubricant into the port hole for 2-3 seconds.
4. Raise and lower the reverse gear lever to clean the shaft and distribute the lubricant. Repeat if necessary. Make sure lever action is smooth and non-binding.
5. Reinstall the port screw and torque to 50 lb-in. (5.6 Nm).

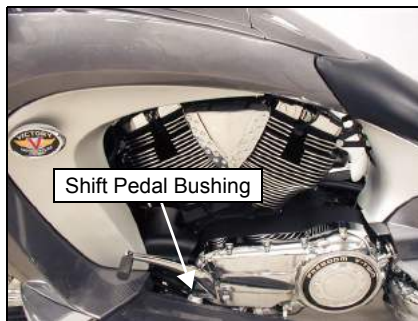


MAINTENANCE

Gear Shift Pedal

Check the shift pedal and linkage and tighten any loose fasteners.

Lubricate the gear shift pedal pivot bushing with VICTORY All Purpose Grease (P/N 2872187) or a light spray lubricant at regular intervals in accordance with the Periodic Maintenance Table on page 135, whenever binding is evident, or if a shifting problem occurs.



MAINTENANCE

Tire Condition

Inspect the tire sidewalls, road contact surface, and tread base for cuts, punctures, and cracking. Replace damaged tires immediately (see your VICTORY service manual or an authorized VICTORY dealer).

Tire Tread Depth

Use a depth gauge or an accurate ruler to measure the depth of the center tire tread on both front and rear tires. Replace the tire if the tread depth is less than 1/16 inch (1.6 mm).



MAINTENANCE

Tire Pressure

Refer to the table below or the Tire Information Label on the motorcycle, located in the left saddlebag.

Tire Pressure Table

Tire ↓	Load ⇒	Up to 200 lbs. (91 kg) Load	201 lbs. (92 kg) Max. Load Capacity
FRONT: Dunlop Elite 3 130/70R18 63H		36 psi (248 kpa)	38 psi (262 kpa)
REAR: Dunlop Elite 3 180/60R16 74H		38 psi (262 kpa)	41 psi (283 kpa)

MAINTENANCE

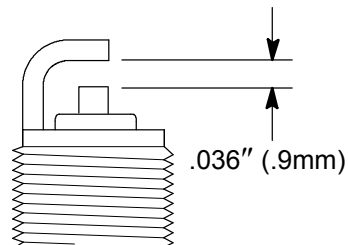
Spark Plugs

1. Make sure the engine is at room temperature.
2. Pull upward on the spark plug boot (not the wire) to remove.

WARNING

Wear eye protection when using pressurized air.

3. To prevent debris from entering the spark plug hole, use compressed air to clean the area around the plugs before removing them.
4. Remove spark plugs (use a 12 mm plug socket).
5. Both spark plugs should have the same light or medium tan color deposits. The electrodes should be square with sharp edges. Replace in pairs if worn.



Spark Plug: NGK DCPR6E

Gap: .036" (.9mm)

Torque: 8.5 lb-ft. (11 Nm)
(Apply anti-seize compound sparingly to threads.)

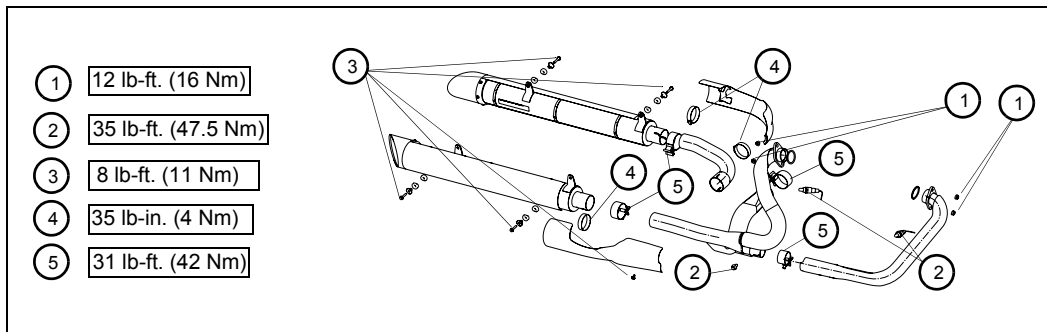
MAINTENANCE

Engine Compression

An engine compression test can be performed in accordance with the Periodic Maintenance Interval table to monitor general engine condition. Refer to the VICTORY service manual or contact your VICTORY dealer to have a compression test performed.

Exhaust

Inspect exhaust fasteners as shown at right and tighten clamps and fasteners to the proper torque. Do not overtighten the clamps.



MAINTENANCE

Battery Precautions



WARNING

The battery contains sulfuric acid, which can cause severe burns. Do not allow sulfuric acid to contact skin, eyes, or clothing.

ANTIDOTES:

EXTERNAL - Flush with water.

INTERNAL - drink large quantities of water or milk. Follow with milk of magnesia, beaten eggs, or vegetable oil. Call a physician immediately.

EYES: Flush with water immediately and get medical attention.

The motorcycle uses a permanently sealed, maintenance-free battery. Do not remove the battery cap strip for any reason. Keep the battery connections clean and tight at all times.

NOTICE: If your VICTORY motorcycle will not be used for a period of 6 weeks or longer, a maintenance charger should be connected to the battery. A fused maintenance charger connection is provided. The connector is designed for use with the VICTORY accessory maintenance charger available at your authorized VICTORY dealer.

MAINTENANCE

Battery Charging

WARNING

The battery may contain explosive gases.

- **Keep sparks, cigarettes, or any flame away from the battery.**
- **Shield eyes and protect skin and clothing when handling or working near the battery.**
- **Make sure ventilation is adequate when charging or using the battery in an enclosed space.**
- **During charging, if the battery gets very hot to the touch, stop charging and let the battery cool down before continuing.**

1. Following the charger manufacturer's instructions, use a battery charger designed for use with 12-volt batteries. The charger should have a maximum charging rate of 1.8 amps. Charge the battery for approximately 10 hours at a rate of 1.8 amps. If you use a taper or trickle charger, it will take longer to charge the battery.
2. After charging the battery, allow the battery to sit 1-2 hours before checking the state of charge with a DC volt meter. The charge should be a minimum of 12.5 DC volts. Repeat the charging cycle if the charge is less than 12.5 DC volts. Replace the battery if it fails to reach 12.5 volts after the second charge.

MAINTENANCE

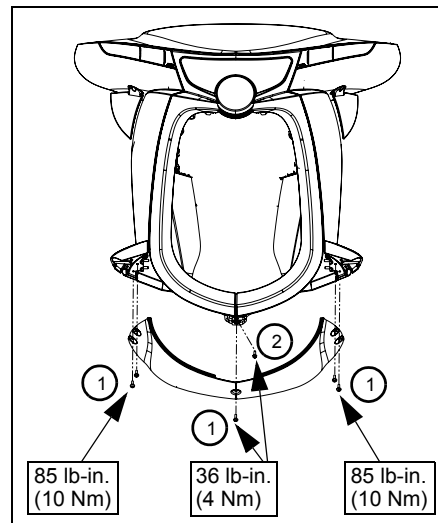
Battery Removal

CAUTION

Do not disconnect the positive cable before the negative cable. Disconnecting the positive cable first can produce an electric shock that could result in damage or injury.

1. Turn handlebars fully right.
2. Remove five belly pan screws (1) with a 6mm Allen wrench.
3. Remove screw (2) that joins the two side grills.

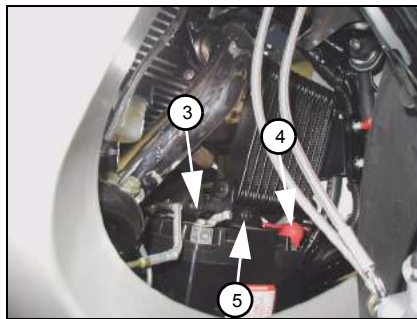
NOTE FOR INSTALLATION: The grill bolt is placed in the FRONT hole; the center belly pan screw uses the rear hole.



MAINTENANCE

Battery Removal (Cont.)

4. Remove the negative (-) battery cable from battery terminal (3) with a 10mm wrench.
5. Lift the red protective boot (4) off of the positive (+) cable end to expose positive terminal. Remove the positive cable from the battery terminal (10 mm wrench).
6. Remove the front battery box bolt (5) with a 10mm socket.
7. Tip the front box forward and lift the battery up to clear the case and then out the bottom side.



Viewed from right front side

MAINTENANCE

Battery Installation

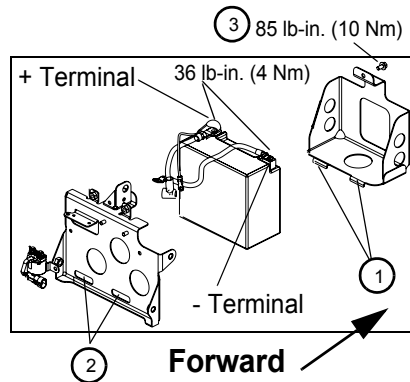
CAUTION

Connecting the negative cable first can produce an electric shock that could result in damage or injury. Always connect the positive cable first.

1. Slide the battery into the battery box. Be sure tabs (1) at the bottom are engaged with slots (2) on inner battery box.

NOTE: Replace damaged or missing foam pads.

2. Install battery into box with terminals facing forward. Tip the front battery box toward battery box and install bolt (3). Torque bolt to specification.
3. Install positive battery cable first. Torque battery terminal bolt to specification.
4. Install red protective boot over positive (+) terminal. Install negative cable. Torque bolt to specification.
5. Connect grill halves and install scoop (page 181).



MAINTENANCE

Windshield Trim Panel

To remove the panel:

1. Release corners of panel by lifting straight upward at each end (1).
2. Carefully slide panel toward windshield to disengage lower tabs (2) and remove the panel.
3. Unplug the antenna.
4. To install, reverse the above steps.

With the trim panel removed, you can access:

- Fuse boxes
- Windshield adjustment mechanism (manual)
- Headlamp adjustment knob
- Front turn signal bulbs



MAINTENANCE

Fuse Box

There are two fuse boxes under the windshield trim panel. Remove the trim panel (page 184) to access the fuses, auto-reset circuit breakers, and relays. Use the fuse puller provided in the tool kit to remove a fuse if necessary.

LEFT FUSE BOX

IGNITION 10A	HEADLIGHT POWER RELAY	HORN RELAY	SECONDARY LIGHTS RELAY
HEADLIGHT 20A			
GAUGES 5A	RADIO 25A	HORN 20A	TURN SIGNAL/BRAKE RELAY 7174111
SPARE FUSE	SECONDARY LIGHTS 20A	TS/BRAKE 20A	

(Decal P/N 7174111)

RIGHT FUSE BOX

HEADLIGHT CONTROL RELAY	ENGINE RELAY	FUEL PUMP/ IGNITION COIL RELAY	CHASSIS ELECTRICAL RELAY
SPARE FUSE	ENGINE 15A	FP/IGN COIL 15A	HEADLIGHT SWITCHING RELAY 7175380
SPARE FUSE	WINDSHIELD 20A	CHASSIS 20A	

(Decal P/N 7175380)

MAINTENANCE

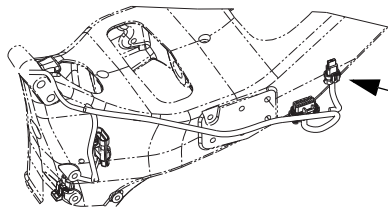
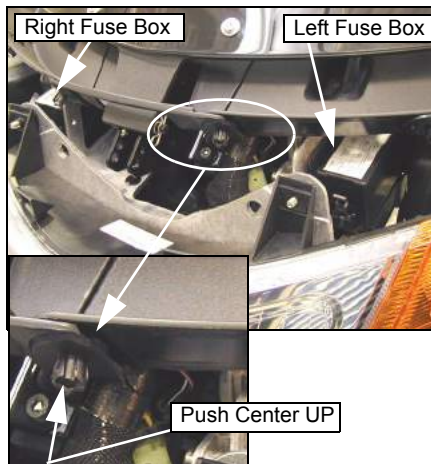
Fuse Replacement

1. Remove the windshield trim panel (page 184).

NOTE: The reverse system fuse is located on the left rear side of the motorcycle, under the seat.

2. Push center of darts upward and remove the fuse box cover panel(s).
3. Pull the tabs to release the cover(s).

NOTICE: Use only the recommended fuse to prevent electrical system damage. Fuse application and size is printed on the cover label.



Reverse System
25 amp mini fuse

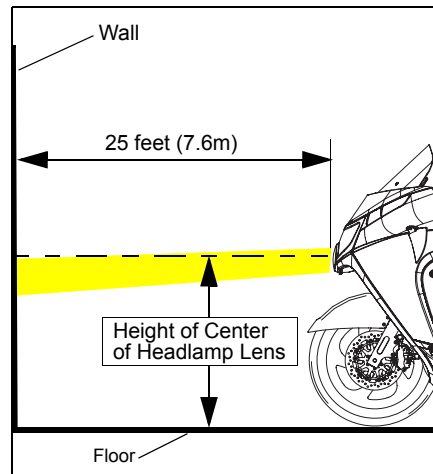
MAINTENANCE

Headlamp Aim Inspection

The headlamp should shine straight ahead. The top of the HIGH beam should be just below the height of the center of the headlamp lens, at a distance of 25 ft. (7.6 meters). The low beam pattern spreads farther right than the high beam (U.S. & Canada).

To check for proper headlamp aim:

1. Set tire pressure (page 176) and rear suspension air pressure for load (page 153).
2. Straddle the motorcycle in an upright position and sit in the operator's seat.
3. Turn ignition switch ON / select HIGH BEAM.
4. Compare to illustration at right. See page 188 to adjust if necessary.

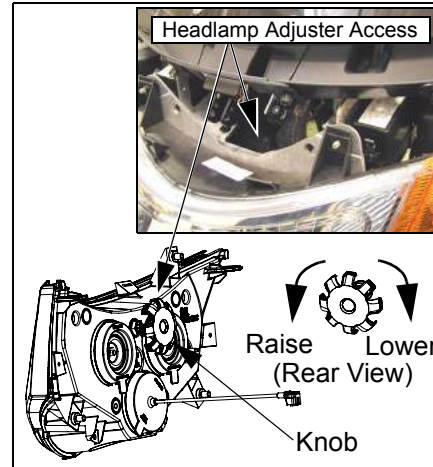


MAINTENANCE

Headlamp Aim Adjustment

The headlamp adjustment knob can be accessed through the opening in the headlamp housing mount under the windshield trim panel.

1. Remove the windshield trim panel (page 184).
2. Reach through the opening in the headlamp housing mount.
3. To LOWER the headlamp beam, turn the knob **CLOCKWISE** (as viewed from the operator's seat).
4. To RAISE the headlamp beam, turn the knob **COUNTER-CLOCKWISE** (as viewed from the operator's seat).



MAINTENANCE

Sidestand

Periodically lubricate the sidestand pivot and the ends of the spring. Refer to page 103 to inspect the sidestand and pivot bolt.

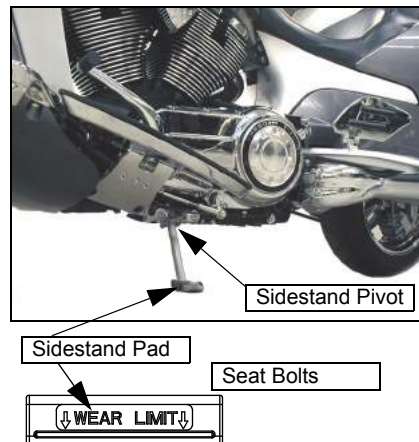
Sidestand Pad

Inspect sidestand pad for wear (see page 104).

Fasteners

Visually inspect the chassis and engine for loose, broken or missing fasteners. Replace stripped, damaged or broken fasteners with genuine VICTORY hardware of equal size and strength immediately. Tighten fasteners to the proper torque (see page 201).

Refer to the service manual for torques not included in this Maintenance section (or in the illustration on page 201) or contact an authorized VICTORY dealer.

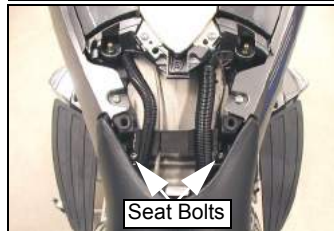
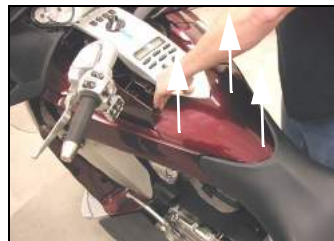


MAINTENANCE

Seat Removal / Installation

To remove the seat:

1. Open the glove compartment door and fuel door.
2. Lift the console trim panel straight upward at each corner to remove it. Do not tip the panel backward.
3. Remove the two seat bolts (4mm Allen).
4. Lift the front of the seat upward and pull forward to disengage the tab at the rear of the seat.
5. To install, reverse the above process, being sure to engage the tab at the back of the seat.
6. Torque seat bolts to 36 lb-in (4 Nm).

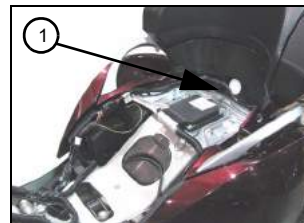


Trunk Removal

To remove the trunk:

1. Remove the seat (page 190).
2. Disconnect the trunk wire harness (1).
3. Remove the license plate and then remove the plate bracket by removing the two 4mm Allen screws (2).

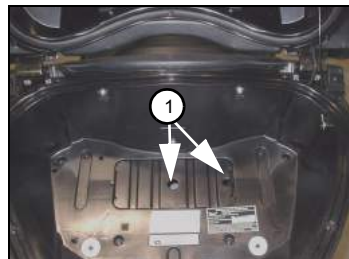
MAINTENANCE



MAINTENANCE

Trunk Removal (Cont.)

4. Open the trunk and remove all contents.
5. Remove the compartment cover by squeezing between the notches (1) and lift the cover away.
6. Remove three of the four trunk mount bolts (2) using a 13 mm socket and an extension on a suitable drive handle.
7. Support the trunk and remove the last bolt.
8. Install the trim panel as outlined on page 194.



Trunk Installation

1. Remove street trim panel (page 193) then reverse steps above.
2. Torque trunk mounting bolts to 26 lb-ft. (35 Nm) and license plate bracket screws to 36 lb-in. (4 Nm).

MAINTENANCE

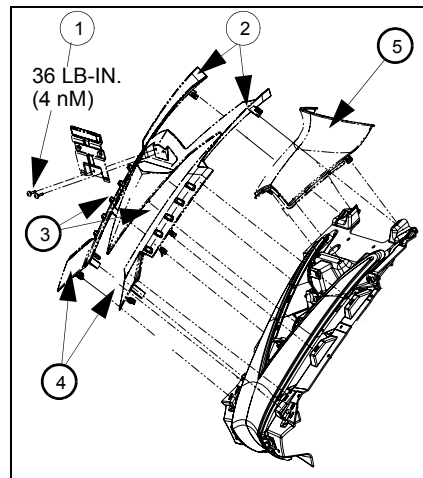
Street Trim Panel Removal

Trim Panel Removal

1. Remove seat (page 190).
2. Remove license plate and plate bracket by removing the two 4mm Allen screws (1).
3. Lift edges of tail molding at indicated points in order (2), (3), then (4) to release tabs.

NOTE: Lift tail molding enough to provide clearance to remove the trim panel.

4. Lift the trim panel (5) straight upward to release all four tabs at the corners.
5. Install the trunk (page 192).
6. Align tail molding and snap it back into place, reversing the order of removal.
7. Install the seat (page 190) and license bracket.



MAINTENANCE

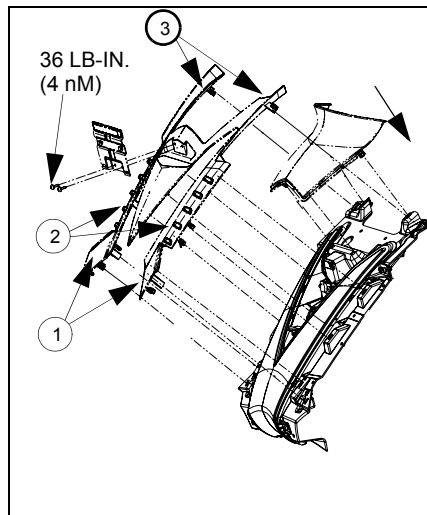
Street Trim Panel Installation

Trim Panel Installation

1. Remove license plate bracket (page 191) and trunk (if equipped).
2. Lift edges of tail molding in the order outlined on page 193 for Street Trim Panel Removal.

NOTE: Lift tail molding enough to provide clearance to install the seat trim panel. It is not necessary to remove the tail molding.

3. Set the trim panel in place and push straight down evenly until all four tabs are seated in the slots.
4. Align tail molding and snap it back into place, pressing each tab in order shown.
5. Install the seat (page 190) and license bracket.

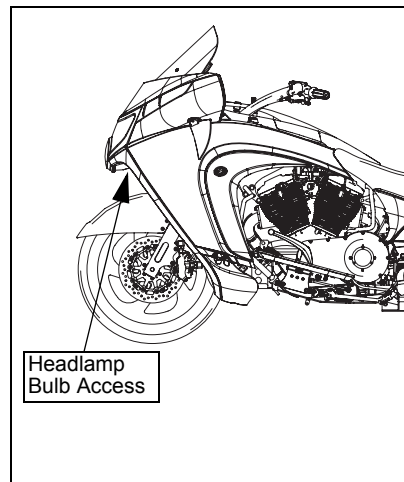


MAINTENANCE

Headlamp Bulb Replacement

To replace a headlamp bulb:

1. Remove air filter (page 143). Pull sealing boot away from the back of the bulb(s) and housing.
2. Press the looped end of the wire clip bulb retainer and swing the end toward the center of the bulb to release it from the latch tab.
3. Pull bulb out with wire connector attached.
4. Disconnect wire harness. Install new bulb. **DO NOT TOUCH** glass portion of headlamp bulb. Oil on the glass surface of bulb could cause bulb failure. Clean with denatured alcohol if touched.
5. Install bulb by reversing steps. Be sure boot is sealed tightly around bulb base and lens to prevent moisture from forming inside the lamp.



MAINTENANCE

Turn Signal Bulb Replacement (Front)

To replace a front turn signal bulb:

1. Remove the windshield trim panel (page 184).
2. **IMPORTANT:** Disconnect the wire harness from socket **BEFORE** removing socket from the lens. Lift the lock tab on the connector and push connector off of the socket.
3. Rotate the bulb socket counter-clockwise 1/4 turn and remove the socket with bulb.
4. Pull out the old bulb and install the new.
5. Install the socket by engaging in the socket holder and rotating 1/4 turn clockwise.
6. Connect the wire harness. Be sure it snaps securely into place over the connector lock tab.

NOTE: Running light (innermost bulb) replacement is the same as the turn signal bulb, with one exception: leave wire harness attached to bulb socket when removing socket from lens.

IMPORTANT!

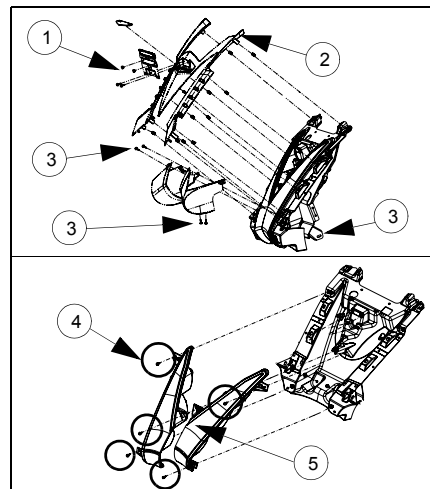
Remove harness connector from bulb socket **BEFORE** rotating socket to remove it from the lens.



MAINTENANCE

Tail / Brake Lamp / Turn Signal Bulb Replacement

1. Open saddlebags. (NOTE: Trunk or Street Panel removal is not necessary).
2. Remove license plate and plate bracket (1). Lift tail trim ("M" panel) (2) to disengage tabs (See "Street Trim Panel Removal" on page 193.)
3. Remove six button head screws (3) from lower rear bumper using a 4mm Allen wrench.
4. Remove five button head screws (4) that secure tail light lenses using a 4mm Allen wrench.
5. Pull both tail lights (5) straight rearward to release all spring tabs from rear fender and expose bulb sockets as required.
6. Rotate bulb socket 1/4 turn counter-clockwise to remove socket. Note orientation for assembly.
7. Pull the bulb straight out of the socket and replace it with the new bulb.
8. Assemble in reverse order of disassembly. Torque all button head screws to 36 lb-in.(4 Nm).



MAINTENANCE

Electrical Precautions

Be aware of the following DO's and DON'Ts regarding the electrical system, in order to avoid disruption of electrical signals and possible system malfunction.

DO's

- DO use ONLY genuine VICTORY parts and accessories designed for your model and follow the instructions provided.
- DO use the accessory power jack provided in the glove compartment or in the trunk (Tour model). The glove compartment Accessory Power power jack is powered whenever the ignition key is in the ON or ACC position. The trunk Accessory Power jack is powered at all times.
- If it is necessary to provide power to an item that does not use one of the previously mentioned power supply jacks, connect to the load side of the main circuit breaker (located under the cover behind the oil cooler) and connect the ground wire to the engine ground at the front left side of the crankcase (near the circuit breaker).

(Continued on next page)

MAINTENANCE

Electrical Precautions (Cont.)

DON'Ts

- DO NOT splice or cut any wires.
- DO NOT tap in to any power or ground on the motorcycle unless specifically directed to do so by the VICTORY instructions that come with the kit.
- DO NOT back-probe electrical connectors on the vehicle unless directed to do so by the Service Manual.
- DO NOT power any accessories from the diagnostic connector, located inside the left saddlebag near the rear suspension air pressure label.

MAINTENANCE

Lifting The Motorcycle



WARNING

Care should be taken to be sure the motorcycle will not tip or fall while elevated or while on the sidestand. Serious injury or death can occur if the motorcycle tips or falls.

Some procedures such as tire removal, and steering, fork, swingarm, or axle inspection require lifting of the motorcycle to remove weight from the component being inspected. The motorcycle can be elevated by placing a stable, flat platform jack or lift mechanism on a firm flat surface and lifting under the engine crankcase. The platform should be a minimum 12 inches square. DO NOT attempt to lift the motorcycle without proper equipment or without properly securing the motorcycle so it cannot tip or fall when elevated.

Road Test

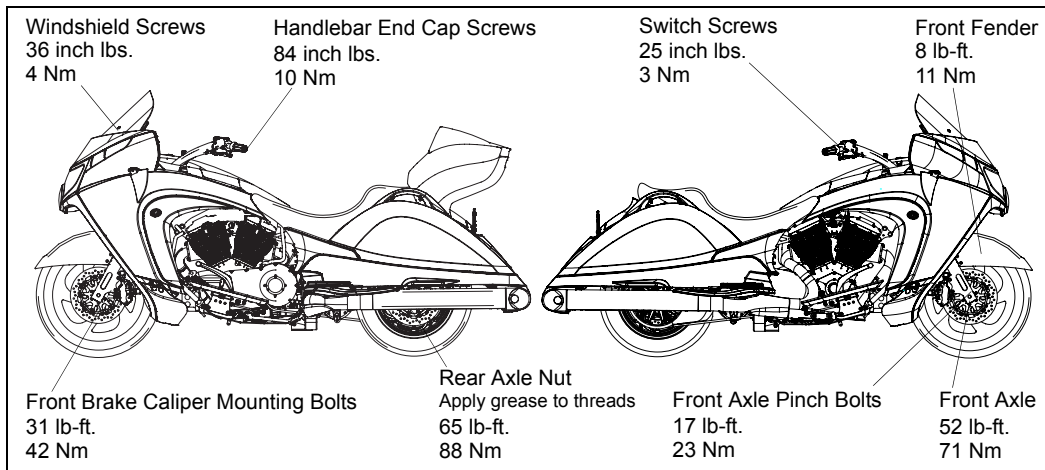
Before returning the motorcycle to regular use, road test it in a safe area. Pay special attention to the proper fit and operation of all serviced components.

Make any corrections or additional adjustments as necessary to ensure safe, reliable, and enjoyable vehicle performance.

MAINTENANCE

Fastener Torque

NOTE: Refer to the service manual or an authorized VICTORY dealer for procedures and fastener torques not listed in this manual.



MAINTENANCE

Troubleshooting

For your personal safety, do not attempt inspection or repairs not fully described in this *Rider's Manual*. Contact an authorized VICTORY dealer for service if you cannot determine the cause of a problem or if the inspection / repair exceeds your mechanical ability or tool resources. Do not perform any inspection or repair with the engine running.

Engine Cranks But Will Not Start

Possible Cause	Possible Remedy/Action
Low Fuel	Verify fuel level
Fuel pump inoperative	Turn engine STOP switch to RUN. Turn key ON. The fuel pump should run momentarily and then stop. If you do not hear the fuel pump run, check the fuel pump / ignition circuit breaker (see page 186). Note: A momentary clicking sound from the IAC valve is normal when key is first turned to the OFF position.
Battery Discharged	Fully charge the battery (page 180).
Spark Plug(s) Fouled	Inspect spark plugs (page 177).
Spark Plug Wire(s) Disconnected or Loose	Be sure spark plug wires are securely fastened.

MAINTENANCE

Troubleshooting

Starter Motor Does Not Turn or Turns Slowly

Possible Cause	Possible Remedy/Action
Engine Stop / Run Switch in Stop Position	Place switch in RUN position.
Battery Discharged	Fully charge the battery (page 180).
Battery Cables Loose or Corroded	Inspect battery cables.
Transmission In Gear	Shift transmission into Neutral or pull clutch lever in to disengage clutch. See starting procedures on page 112.

MAINTENANCE

Troubleshooting

Engine Starts But Misses or Runs Poorly

NOTE: Turn engine OFF before inspecting any of these items.

Possible Cause	Possible Remedy/Action
Battery Discharged	Fully charge the battery (page 180).
Battery Cables Loose or Corroded	Inspect battery cables and connections.
Spark Plug(s) Fouled	Inspect spark plugs (page 177).
Spark Plug Wire(s) Loose or Wet	Inspect spark plug wires, ensure dry/secure.
Contaminated Fuel	Inspect fuel for water / contamination (see dealer).
Engine Oil Level Incorrect Or Wrong Type	Inspect level and quality of oil (page 140).
Loose, Broken, Shorted Ignition Coil Wires	Inspect coil primary wires (see dealer).
Air Intake Restricted	Inspect air filter (page 143).

MAINTENANCE

Troubleshooting

Shifting Difficulties or Hard to Find Neutral

Possible Cause	Possible Remedy/Action
Shift Linkage Bushings Dry Or Worn	Lubricate shift linkage.
Engine Oil Level Incorrect Or Wrong Type	Inspect level and quality of oil (page 140).
Hydraulic Clutch Fluid Contaminated	Flush hydraulic clutch fluid (see dealer).
Air In Hydraulic Clutch System	Bleed system (see dealer).
Clutch Slave Cylinder Bracket Loose	Inspect / tighten loose parts.
Hydraulic Clutch Fluid Leak	Inspect system for leaks (see dealer).
Clutch Damage	Replace clutch

Brake Noise / Poor Brake Performance

NOTE: Contact a VICTORY dealer if brake performance does not return after these inspections.

Possible Cause	Possible Remedy/Action
Dust / Dirt On Brake Disc(s)	Clean disc (page 172).
Worn Pads Or Brake Disc / Disc Damage	Inspect pads (page 96) / disc (page 172).
Brake Fluid Level Low Or Fluid Contaminated	Inspect fluid level / fluid (page 168-171).

MAINTENANCE

Troubleshooting

Battery Charging Rate Low or Battery Discharges

Possible Cause	Possible Remedy/Action
Loose/Corroded Charging Circuit Connection	Check / clean battery cable connections (page 181) and charging circuit connections (see dealer).
Accessory Load Exceeds Charge Rate	Use ACC position and limit accessory operation when engine is off.
Improperly Wired Accessory (Current Draw)	See dealer to check charging system output and current draw.
Battery discharges when motorcycle not in use.	See dealer to check key OFF current draw.

CLEANING

Cleaning

Pure VICTORY Products

This section provides tips on the very best way to clean, polish and preserve every surface of your beautiful new VICTORY Motorcycle. We recommend the use of our new Pure VICTORY cleaning and polishing products and accessories, which have been specially designed to offer the best care possible for your VICTORY motorcycle.

In addition to the products recommended in this section for cleaning and polishing, Pure VICTORY Polishes also has specialty products for:

- removing scratches, scuffs and swirls
- enhancing black and silver engines
- cleaning engines, tires and wheels
- removing brake dust

After cleaning the motorcycle, inspect for damage to the painted surfaces. Repair chips or scratches promptly by applying VICTORY touch-up paint to prevent corrosion. For more information, or for answers to your cleaning and detailing questions, see your VICTORY dealer or write to the Pure VICTORY Polishes Staff at: victorymailbag@polarisind.com.

CLEANING

Washing the VICTORY Motorcycle Before Washing

1. Make sure exhaust pipes are cool. Cover each pipe opening with a plastic bag secured with a strong rubber band.
2. Check that the spark plugs, spark plug wire caps, oil fill cap and fuel caps are properly seated.
3. Rinse off as much dirt and mud as possible with water running at low pressure. Use as little water as possible when washing near the air cleaner or the exhaust pipe openings. Dry these components thoroughly before using the motorcycle.
4. Clean the front fork tubes thoroughly to reduce fork seal wear and leakage.
5. After washing, remove the rubber bands and plastic bags from the exhaust pipes. Start the engine and let it idle for a few minutes. Make sure the brakes are functioning properly before riding.

NOTICE: Do not use pressurized water to wash the motorcycle. Water may seep in and deteriorate wheel bearings, brake caliper assemblies, brake master cylinders, electrical connectors, steering head bearings, and transmission seals. Do not direct any water stream at air intakes, exhaust outlets or electrical connectors.

NOTICE: Electrical components may be damaged by water. Do not allow water to contact electrical components or connectors.

NOTICE: Do not use glass cleaners, water or soil repellents, and petroleum or alcohol based cleaners on the windshield, as these products can damage the windshield.

CLEANING

Cleaning

Washing the VICTORY Motorcycle

There are two totally different styles of motorcycle washing and there is a Pure VICTORY Polish product for each style.

Standard “Bucket Wash”

This is the conventional way to wash your motorcycle. We recommend the use of Pure VICTORY Bike Wash Concentrate, a concentrated gentle product formulated to clean without diminishing the life of any durable polish. This product does not contain alkalis, acids or abrasives and is formulated to perform as a wetting agent to soften bugs, road grime and soil, and to prevent abrasion from your wash mitt or cloth. This product also decreases drying time without spotting or streaking.

1. Add 1 ounce (about 2 capfuls) to 1 gallon of water.
2. Apply to a cool motorcycle with a wool or microfiber wash mitt.

TIP: For best results, work one side of the motorcycle at a time, working from top to bottom.

3. Rinse thoroughly with an open hose, no pressure needed. Create a sheeting action to eliminate spotting.
4. Use a Pure VICTORY Microfiber Chamois or Plush Microfiber Towel to dry virtually spot-free.

CLEANING

Washing the VICTORY Motorcycle

Spray-Rinse-and-Ride Wash

This is the new way to clean your VICTORY quickly and easily, then resume riding. Pure VICTORY Spray Rinse and Ride bike wash is safe and will not harm any surface that water won't harm.

If you clean your bike frequently, you may mix this product 50/50 with water. Spray the product on surfaces cool to the touch. DO NOT spray on a hot motorcycle. When applied, this product softens dirt, soil, bugs and road grime.

1. Spray windshields, body panels, saddle bags, trunks, engines, tires, wheels, pipes and chrome. Consistent and complete coverage of the motorcycle is important for best results.

TIP: Use a cloth or wash mitt on stubborn areas.

2. DO NOT allow the product to dry on your motorcycle. Blast rinse with a garden hose equipped with a pressure nozzle. Be sure to rinse thoroughly, then use a gentle rinse to create sheeting action of the water to lessen the possibility of spotting.

TIP: Use a Pure VICTORY Microfiber Chamois or Plush Microfiber Towel to dry virtually spot-free.

CLEANING

Cleaning

Quick Clean-Ups

For quick clean-ups between washings, or when water is not available, use Pure VICTORY Spray & Wipe Instant Detailer, a complete spray-and-wipe product designed to clean and polish all surfaces. It works quickly and easily and is silicone-free so it leaves no oily nor white residue. It provides protection from UV rays, acid rain, and dirt. It will remove bugs, road tar, and road grime from your windshield, paint and chrome. This product is safe for all surfaces, including pin striping, custom paint or murals. It's safe for Plexiglas, Lexan, Acrylic or factory-coated windscreens. It's non-streaking, and it provides polish protection and a water-repellant shine.

1. Spray on all surfaces, including the windshield, paint, chrome, wheels and leather to clean, polish and protect.
2. Wipe dry with Pure VICTORY Plush Microfiber Towel. DO NOT use a T-shirt.
3. Spray on and wipe off to easily remove bugs, dust and water spots. For heavily soiled surfaces, use product more liberally.

TIP: Use this product on the windshield to repel water and enhance rain visibility.

CLEANING

Polishing the VICTORY Motorcycle

Polished Aluminum Care

When a VICTORY is new, the polished aluminum wheels, hand levers and shifter shine like chrome. Ultraviolet (UV) rays and oxidation will cause polished aluminum to grow dull, however, if it's not properly polished and protected.

Pure VICTORY Awesome Metal Polish will clean, polish and protect these aluminum surfaces. This metal polish will restore that factory chrome-like shine and leave a protective coating that resists future oxidation for several months. Pure VICTORY Awesome Metal Polish provides instant results you must see to believe!

1. Shake the polish container well before using.
2. Apply the product with a terry cotton or microfiber cloth or pad.
3. Rub gently until the black begins to come to the surface or until shine begins to show through the haze.
4. Allow the product to haze.
5. Remove the haze with a terry cotton or microfiber cloth and buff to a long-lasting chrome-like shine.

CLEANING

Cleaning

Polishing the VICTORY Motorcycle

There are now two totally different styles of polishing or protecting your paint and chrome.

Standard Method of Polishing Paint and Chrome

Pure VICTORY Windshield, Paint and Chrome Polish is a unique formula designed to produce a glass-like shine on painted or clear-coated finishes and chrome surfaces. Use it on chrome-plated accessories to prevent surface rust and create a glass-like shine.

- Use it on chrome-plated accessories to prevent surface rust and create a glass-like shine.
- This product creates a high reflective index point, giving a deep, shiny finish without silicone.
- Use it to polish and fill light scratches on Plexiglas, Lexan, Acrylic and factory-coated windshields.
- It repels water from windshields and keeps bugs from sticking.
- Windshield, Paint and Chrome Polish provides long-lasting protection from oxidation, corrosion, UV rays and heat.

CLEANING

Polishing the VICTORY Motorcycle Standard Method of Polishing Paint and Chrome

1. Shake the container well before using.
2. Apply with Pure VICTORY 100% Microfiber Wax Applicator in a circular motion or straight line to a clean surface. It can be applied in direct sunlight.
3. Rub the product until it is almost clear, then allow to dry to a haze before removal. The entire motorcycle can be treated before removing polish.
4. Use a Pure VICTORY Polishes Plush Microfiber Towel to wipe it off easily and dust-free.
5. For best results on a windshield, apply to a clean windshield. Once applied, rain water beads and blows off, enhancing rain visibility. The glass-like finish keeps bugs from sticking and permits their easy removal.

CLEANING

Cleaning

Polishing the VICTORY Motorcycle Premium Polishing for Long-Lasting Protection

This newer style of polishing paint and chrome utilizes the latest in high-quality polymer technology that provides the longest-lasting protection available in the polish industry today. Pure VICTORY Liquid Spray Wax for Windshields, Paint & Chrome is formulated for polishing after washing and can be sprayed on wet or dry surfaces. Liquid Spray Wax quickly produces a durable, high-gloss shine with minimal effort. It contains NO ABRASIVES and is clear coat-safe. It contains NO PETROLIUM DISTILLATES or SILICONES.

1. Shake container well before use.
2. Begin by washing and rinsing the motorcycle.
3. Spray Liquid Spray Wax on a wet or dry bike, one section at a time. (For best results, the bike's surface should be cool.)
4. Wipe dry one section at a time with Pure VICTORY Microfiber Chamois or microfiber towel.
5. When finished drying, buff the entire motorcycle with a clean, dry Pure VICTORY Microfiber Polishing Towel for a clean and luxurious shine.

NOTE: Liquid Spray Wax can also be applied to clean and dry clear coats, windshields and chrome. Apply to one section at a time and wipe dry. When finished, use a second towel to buff to a luxurious, long-lasting shine.

CLEANING

Leather, Rubber and Vinyl Care

WARNING

Never use a non-recommended protectant on seats, footrests, hand grips or tires. Slippery seats, footrests or hand grips can cause loss of control. Slippery tires can cause loss of traction and loss of control. Both situations could result in serious injury or death.

For the finest leather care, use Pure VICTORY Leather, Vinyl & Rubber Conditioner, a unique, pleasantly scented formula of premium-quality polymers designed to restore luster and softness to vinyl, leather and rubber *without making them slippery*.

This product is a true conditioner, not a coating. It does not close the pores of the surfaces but penetrates, nourishes and softens the material. It protects against ultra violet (UV) rays and cracking, repels water and prolongs the life and like-new appearance of the materials. Applied to rubber, this product creates a water-repellent, like-new appearance. This product can also be used to restore or maintain the factory finish on a VICTORY VISION instrument panel/dash and rear storage compartment black vinyl surfaces. Regular use increases soil resistance.

1. Apply the product on a clean dry surface using a soft cloth.
2. Rub the product into the material. Repeat the treatment if the surface is extremely dry.
3. Wipe dry with a second cloth to remove excess product. Buff lightly with the second towel for additional luster.

STORAGE

Storage Reminders

If you will not operate the motorcycle for several months, such as during the winter, store the motorcycle to prevent damage to the fuel system and the battery and to protect components from corrosion or deterioration. During storage you might use products that are potentially hazardous; such as fuel stabilizer. When using any of these products, follow the instructions and warnings on the product packaging.

This section includes instructions for preparing the motorcycle for storage, maintaining it during storage and removing it from storage.

Storage

STORAGE

Storage Area Preparation

Choose a dry, well-ventilated storage location, inside a garage or other structure if possible. The location should have a firm, flat surface and allow enough space for the motorcycle.

To best preserve tire condition:

- The storage area should have a relatively constant and moderate temperature.
- The storage surface should be free of oil and gasoline.
- The motorcycle should not be near a radiator or other heat source, or any type of electric motor.

Storage

STORAGE

Clean and Protect the Motorcycle

To prepare the motorcycle for storage, begin by cleaning it as outlined beginning on. Wax painted surfaces and polish chromed and other metal surfaces. Apply protectant to exposed rubber, vinyl, and plastic parts.

Do not apply rubber protectant to the tire tread surfaces.

Storage

STORAGE

Fuel Stabilizer

Using a mixture of fuel and the recommended amount of VICTORY Premium Carbon Clean Plus or other gasoline stabilizer, fill the fuel tank only to the top of the filler insert.

Ride the motorcycle or start and run the engine for 15 minutes in a well ventilated area to pass the stabilized fuel through entire fuel-injection system.

Storage

Engine Protection

Change the engine oil (see page 140). Carbon deposits and combustion acids, normally suspended in the engine oil when in service, settle on internal engine components during storage. Settled deposits can cause engine damage or internal corrosion.

STORAGE

Tire Inflation

Inflate the tires to normal pressure (see page 176).

Battery Care

1. Remove the battery (see page 181).
2. Clean the battery terminals first with a wire brush to remove any loose deposits.
3. Wash the posts and the ends of the battery cables with a solution of 1 part baking soda to 16 parts water. Rinse with clean water and wipe dry.
4. Apply a thin film of dielectric grease (available from your VICTORY dealer) to the posts and cable connectors.
5. Clean the outside of the battery with a solution of mild detergent and warm water.
6. Store the battery in a dry area with a temperature of 32° to 90°F (0° to 32° C).
7. While in storage, fully charge the battery once a month (see page 180).

Storage

STORAGE

Park and Cover the Motorcycle

Park the motorcycle in its storage location.

Storage

Cover it with a genuine VICTORY motorcycle cover, or a cover made from a durable, breathable material designed for storage. Covering the motorcycle helps protect it from dust and other airborne materials. The cover must be of a breathable material to prevent moisture from building up on the motorcycle which can cause oxidation of metal surfaces.

Rodents

Mice and other rodents are often the worst enemy of a stored motorcycle. If the motorcycle will be stored in an area where mice are a concern (particularly in rural areas, barns, sheds, etc.) be sure to take extra measures to deter their infestation. This may include placing a screen mesh over any intake or exhaust openings (just be sure to remember to remove them when you take the motorcycle from storage).

STORAGE

Maintenance During Storage

Check and maintain normal air pressure in the tires (page 176) and battery voltage in the battery (page 180) during extended storage periods.

Storage

STORAGE

Removal From Storage

Storage

1. Remove the cover and unlock the front forks (if locked).
2. Check the tire pressure (page 176) and inflate the tires if necessary.
3. Install the battery (page 183) and perform an electrical check (page 86).
4. Wash and polish the motorcycle. See page 207.
5. Check the oil level. Look at the storage area for signs of fluid leaks, and check the cause if a leak is found.
6. During storage, temperature and humidity changes can cause condensation to form in the crankcase and mix with engine oil. Running the engine with oil that contains condensation can cause engine damage. If your motorcycle was stored in an area subject to wide swings in temperature and humidity (such as outdoors), it is recommended that you change engine oil prior to running the engine.
7. Install new spark plugs if necessary.
8. Wax, polish, or apply protectant to appropriate components. See page 207.
9. Perform the pre-ride checks beginning on page 85.
10. Road test the motorcycle before returning it to regular use (page 200).

WARRANTY

Motorcycle Noise Regulation Tampering

Tampering with noise control systems is prohibited. Federal law prohibits the following acts or causing thereof:

- The removal or rendering inoperative by any person other than for the purposes of maintenance, repair, or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use, or
- The use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

Warranty

WARRANTY

Among those acts presumed to constitute tampering are:

- Removal or puncturing of the muffler, baffles, header pipes, or any other component which conducts exhaust gasses.
- Removal or puncturing of any part of the intake system.
- Lack of proper maintenance.
- Replacing any moving part of the vehicle, or parts of the exhaust system or intake system, with parts other than those specified by the manufacturer.

This product should be checked for repair or replacement if the motorcycle noise has increased significantly through use. Otherwise, the owner may become subject to penalties under state and local ordinances.

Warranty

WARRANTY

Noise Emission Warranty

VICTORY Motorcycle Division warrants that this exhaust system, at the time of sale, meets all applicable U.S. EPA Federal noise standards. This warranty extends to the first person who buys this exhaust system for purposes other than resale, and to all subsequent buyers.

Warranty claims should be directed to:

An authorized VICTORY dealer, or

VICTORY Motorcycle Division, Polaris Sales Inc., P.O. Box 47700, Hamel, MN 55340-9960

Warranty

WARRANTY

Emissions Control System Warranty

VICTORY MOTORCYCLES, Polaris Sales Inc. - Emission Control System Warranty Statement

Your Warranty Rights and Obligations

The California Air Resources Board and VICTORY Motorcycle Division, Polaris Sales Inc. (hereinafter VICTORY) are pleased to explain the emission control system warranty on your 2007 or later VICTORY motorcycle. In California, new motor vehicles must be designed, built and equipped to meet the state's stringent anti-smog standards. VICTORY must warrant the emission control system on your motorcycle for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your motorcycle. Your emission control system may include parts such as the fuel-injection system, the ignition system, catalytic converter and engine computer. Also included may be hoses, belts, connectors and other emission-related assemblies. Where a warrantable condition exists, VICTORY will repair your motorcycle at no cost to you, including diagnosis, parts and labor.

Warranty

Manufacturer's Warranty Coverage

Class III motorcycles (280 cc and larger): for a period of use of five (5) years or 30,000 kilometers (18,641 miles), whichever first occurs.

If an emission-related part on your motorcycle is defective, the part will be repaired or replaced by VICTORY. This is your emission control system DEFECTS WARRANTY.

WARRANTY

Owner's Warranty Responsibilities

As the motorcycle owner, you are responsible for the performance of the required maintenance listed in your Rider's manual. VICTORY recommends that you retain all receipts covering maintenance on your motorcycle, but VICTORY cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance. You are responsible for presenting your motorcycle to a VICTORY dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days. As the motorcycle owner, you should be aware that VICTORY may deny your warranty coverage if your motorcycle or part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact VICTORY Motorcycle Division, Polaris Sales Inc., P.O. Box 47700, Hamel, Minnesota 55340-9960, or the California Air Resources Board, P.O. Box 8001, 9528 Telstar Avenue, El Monte, CA 91734-8001.

Warranty

WARRANTY

VICTORY Motorcycle Division, Polaris Sales Inc. - Limited Warranty on Emission Control System

VICTORY Motorcycle Division, Polaris Sales Inc., (hereinafter VICTORY) warrants that each new 2009 and later VICTORY Motorcycle that includes as standard equipment a headlight, taillight and stoplight, and is street legal:

A. is designed, built and equipped so as to conform at the time of initial retail purchases with all applicable regulations of the United States Environmental Protection Agency, and the California Air Resources Board; and

B. is free from defects in material and workmanship which cause such motorcycle to fail to conform with applicable regulations of the United States Environmental Protection Agency or the California Air Resources Board for a period of use, depending on the engine displacement, of 12,000 kilometers (7,456miles), if the motorcycle's engine displacement is less than 170 cubic centimeters; of 18,000 kilometers (11,185miles), if the motorcycle's engine displacement is equal or greater than 170 cubic centimeters but less than 280 cubic centimeters; or of 30,000 kilometers (18,641miles), if the motorcycle's engine displacement is 280 cubic centimeters or greater; or 5 (five) years from the date of initial retail delivery, whichever occurs first.

Warranty

WARRANTY

I. Coverage

Warranty defects shall be remedied during customary business hours at any authorized VICTORY motorcycle dealer located within the United States of America in compliance with the Clean Air Act and applicable regulations of the United States Environmental Protection Agency and the California Air Resources Board. Any part or parts replaced under this warranty shall become the property of VICTORY.

In the State of California only, emission related warranted parts are specifically defined by the state's Emission Warranty Parts List. These warranted parts are: carburetor and internal parts; intake manifold; fuel tank; fuel injection system; spark advance mechanism; crankcase breather; air cutoff valves; fuel tank cap for evaporative emission controlled vehicles; oil filler cap; pressure control valve; fuel/vapor separator; canister; igniters; breaker governors; ignition coils; ignition wires; ignition points; condensers, and spark plugs if failure occurs prior to the first scheduled replacement; and hoses, clamps, fittings and tubing used directly in these parts. Since emission related parts may vary from model to model, certain models may not contain all of these parts and certain models may contain functionally equivalent parts.

In the State of California only, Emission Control System emergency repairs, as provided for in the California Administrative Code, may be performed by other than an authorized VICTORY dealer. An emergency situation occurs when an authorized VICTORY dealers is not reasonably available, a part is not available within 30 days, or a repair is not complete within 30 days. Any replacement part can be used in an emergency repair. VICTORY will reimburse the owner for expenses, including diagnosis, not to exceed VICTORY's suggested retail price for all warranted parts replaced and labor charges based on VICTORY's recommended time allowance for the warranty repair and the geographically appropriate hourly labor rate. The owner may be required to keep receipts and failed parts in order to receive compensation.

Warranty

WARRANTY

II. Limitations

The Emission Control System Warranty shall not cover any of the following:

A. Repair or replacement required as a result of:

1. Accident
2. Misuse
3. Repairs improperly performed or replacements improperly installed
4. Use of replacement parts or accessories not conforming to VICTORY specifications which adversely affect performance and/or
5. Use in competitive racing or related events.

B. Inspections, replacement of parts, and other services and adjustments necessary for required maintenance

C. Any motorcycle on which the odometer mileage has been changed so that actual mileage cannot be readily determined.

Warranty

WARRANTY

III. Limited Liability

A. The liability of VICTORY under this Emission Control System Warranty is limited solely to the remedying of defects in material or workmanship by an authorized VICTORY motorcycle dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the motorcycle or transportation of the motorcycle to or from the VICTORY dealer. VICTORY SHALL NOT BE LIABLE FOR ANY OTHER EXPENSES, LOSS OR DAMAGE, WHETHER DIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY ARISING IN CONNECTION WITH THE SALE OR USE OF OR INABILITY TO USE THE VICTORY MOTORCYCLE FOR ANY PURPOSE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

B. NO EXPRESS EMISSION CONTROL SYSTEM WARRANTY IS GIVEN BY VICTORY EXCEPT AS SPECIFICALLY SET FORTH HEREIN. ANY EMISSION CONTROL SYSTEM WARRANTY IMPLIED BY LAW, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE EXPRESS EMISSION CONTROL SYSTEM WARRANTY TERMS STATED IN THIS WARRANTY. THE FOREGOING STATEMENTS OF WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHER REMEDIES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

C. No dealer is authorized to modify this VICTORY Limited Emission Control System Warranty.

Warranty

WARRANTY

IV. Legal Rights

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

V. This warranty is in addition to the VICTORY Limited Motorcycle Warranty

VI. Additional Information

Any replacement part that is equivalent in performance and durability may be used in the performance of any maintenance or repairs. However, VICTORY is not liable for these parts. The owner is responsible for the performance of all required maintenance. Such maintenance may be performed at a service establishment or by any individual. The warranty period begins on the date the motorcycle is delivered to an ultimate purchaser.

**VICTORY Motorcycle Division, Polaris Sales, Inc.
P.O. Box 47700
Hamel, MN 55340-9960
ATTN: Warranty Department**

WARRANTY

VICTORY Motorcycle Warranty Policy Limited Warranty

VICTORY Motorcycle Division, Polaris Sales Inc., P.O. Box 47700, Hamel, Minnesota 55340-9960, gives a ONE YEAR LIMITED WARRANTY on all components of the VICTORY Motorcycle against defects in material or workmanship. This warranty covers the parts and labor charges for repair or replacement of defective parts which are covered by this warranty. This warranty begins on the date of purchase. This warranty is transferable to another consumer during the warranty period through a VICTORY Motorcycle dealer.

Registration

At the time of sale, the Warranty Registration Form must be completed by your dealer and submitted to VICTORY Motorcycle Division, Polaris Sales Inc. within ten days. Upon receipt of this registration, VICTORY Motorcycle Division, Polaris Sales Inc. will record the registration for warranty. No verification of registration will be sent to the purchaser as the copy of the Warranty Registration Form will be the warranty entitlement. If you have not signed the original registration and received the "customer copy", please contact your dealer immediately. **NO WARRANTY COVERAGE WILL BE ALLOWED UNLESS YOUR VICTORY MOTORCYCLE IS REGISTERED WITH VICTORY MOTORCYCLES DIVISION OF POLARIS SALES INC.**

Initial dealer preparation and set-up of your VICTORY Motorcycle is very important in ensuring trouble-free operation. Purchasing a motorcycle in the crate or without proper dealer set-up will void your warranty coverage.

Warranty

WARRANTY

Warranty Coverage and Exclusions:

Limitations of Warranties and Remedies

The warranty excludes any failures that are not caused by a defect in material or workmanship. This warranty does not cover accidental damage, normal wear and tear, abuse or improper handling. This warranty also does not cover any VICTORY Motorcycle that has been altered structurally, modified, neglected, improperly maintained, used for racing, or used for purposes other than for which it was manufactured, or for any damages which occur during trailer transit or as a result of unauthorized service or the use of unauthorized parts. In addition, this warranty does not cover physical damage to paint or finish, stress cracks, tearing or puncturing of upholstery material, corrosion, or defects in parts, components or VICTORY Motorcycle due to fire, explosions or any other cause beyond VICTORY Motorcycle Division, Polaris Sales Inc. control.

This warranty does not cover the use of unauthorized lubricants, chemicals, or fuels that are not compatible with the VICTORY Motorcycle.

The exclusive remedy for breach of this warranty shall be, at VICTORY Motorcycle Division, Polaris Sales Inc. exclusive option, repair or replacement of any defective materials, or components or products. THE REMEDIES SET FORTH IN THIS WARRANTY ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON FOR BREACH OF THIS WARRANTY. VICTORY MOTORCYCLES DIVISION OF POLARIS SALES INC. SHALL HAVE NO LIABILITY TO ANY PERSON FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY DESCRIPTION, WHETHER ARISING OUT OF EXPRESS OR IMPLIED WARRANTY OR ANY OTHER CONTRACT, NEGLIGENCE, OR OTHER TORT OR OTHERWISE. Some states do not permit the exclusion or limitation of incidental or consequential damages or implied warranties, so the above limitations or exclusions may not apply to you if inconsistent with controlling state law.

WARRANTY

ALL IMPLIED WARRANTIES (INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE) ARE LIMITED IN DURATION TO THE ABOVE ONE YEAR WARRANTY PERIOD. VICTORY MOTORCYCLES DIVISION OF POLARIS SALES INC. FURTHER DISCLAIMS ALL EXPRESS WARRANTIES NOT STATED IN THIS WARRANTY OTHER THAN EMISSIONS AND EXCISE WARRANTIES. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you if inconsistent with controlling state law.

How To Obtain Warranty Service

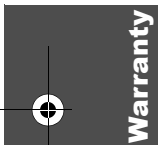
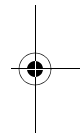
If your VICTORY Motorcycle requires warranty service, you must take it to a VICTORY Motorcycle Servicing Dealer. When requesting warranty service you must present your copy of the Warranty Registration form to the dealer. (THE COST OF TRANSPORTATION TO AND FROM THE DEALER IS YOUR RESPONSIBILITY). VICTORY MOTORCYCLES division of Polaris Sales Inc. suggests that you use your original selling dealer; however, you may use any VICTORY Motorcycle Servicing Dealer to perform warranty service.

Please work with your dealer to resolve any warranty issues. Should your dealer require any additional assistance they will contact the appropriate person at VICTORY MOTORCYCLES division of Polaris Sales Inc.

This warranty also gives you specific legal rights, and you may also have other rights which vary from state to state. If any of the above terms are void because of state or federal law, all other warranty terms will remain in effect.



WARRANTY NOTES



SPECIFICATIONS

Model Year 2009 Specifications

2009	VICTORY VISION
<i>Dimensions</i>	
Overall Length	Street: 103.5 inches (262.9 cm) Tour: 104.9 inches (266.5 cm)
Overall Width	45.2 inches (114.7 cm)
Overall Height	58.5 inches (148.5 cm)
Seat Height	26.5 inches (67.3 cm)
Wheel Base	65.7 inches (166.9 cm)
Ground Clearance	5.8 inches (14.8 cm)
Rake & Trail	29° / 5.4 inches (13.7 cm)
Dimensions and specifications may vary with features, options and accessories. Specifications subject to change without notice or obligation.	

Specifications

SPECIFICATIONS

2009	VICTORY VISION
Weight	
Dry Weight	Street: 804 lbs. (365 kg) Tour: 849 lbs. (385 kg)
Wet Weight	Street: 844 lbs. (383 kg) Tour: 889 lbs. (403 kg)
Gross Vehicle Weight Rating (GVWR)	1414 lbs. (641 kg) (See loading examples beginning on page 28)
Gross Axle Weight Rating (GAWR)	Front Axle: 513 lbs. (233 kg)
	Rear Axle: 901 lbs. (409 kg)
Capacities	
Engine Oil	5 qt (4.75 l) [Approximately 4.5 qt (4.25 l) at oil change]
Fuel	6.0 Gallons (22.7 l)
Fuel Reserve	1.0 Gallon (3.8 l)
Dimensions and specifications may vary with features, options and accessories. Specifications subject to change without notice or obligation.	

SPECIFICATIONS

2009	VICTORY VISION
Engine	
Engine Type	VICTORY Freedom® 106 / 6 V-Twin
Configuration	50° V-Twin 4 Stroke SOHC
Displacement	106 Cubic Inch (1737 cc)
Cooling System	Air & Oil
Compression Ratio	9.4 : 1
Valve Train	4 Valves per cylinder. Hydraulic Lifters & Self-Adjusting Cam Chains
Bore & Stroke	101 x 108 mm
Throttle Body Bore	45mm
Electronic Fuel Injection System	Closed Loop
Lubrication System	Wet Sump
Spark Plug / Gap	NGK DCPR6E / .036 in. (.9mm)
Exhaust	Split dual exhaust with crossover
Dimensions and specifications may vary with features, options and accessories. Specifications subject to change without notice or obligation.	

SPECIFICATIONS

2009	VICTORY VISION
Chassis	
Front Suspension Type / Travel	Telescopic Fork / 5.1 in. (13 cm)
Front Fork Tube Diameter	46mm
Rear Suspension Type / Travel	Single Monotube Air Adjustable Shock / 4.7 in. (12 cm)
Swingarm	Cast Aluminum with Rising Rate Linkage
Front Brakes	Dual Disc / Floating Rotor / 3 Piston Calipers
Rear Brakes	Disc / Floating Rotor / 2 Piston Caliper
Total Storage Volume	Street: 3370 Cubic Inches (55,224 Cubic Centimeters) Tour: 6750 Cubic Inches (11,061 Cubic Centimeters)
Colors	Black / Midnight Cherry / Blue Ice
Dimensions and specifications may vary with features, options and accessories. Specifications subject to change without notice or obligation.	

Specifications

SPECIFICATIONS

2009	VICTORY VISION
Drive System	
Final Drive Type	Carbon Fiber Reinforced Belt
Transmission Type	6 Speed Constant Mesh with True Overdrive
Primary Drive Type (Reduction Ratio)	Gear Drive with Torque Compensator (1.5 : 1)
Gear Shift Pattern	1 Down 5 Up
Internal Gear Ratios	
1st	3.15 : 1
2nd	2.03 : 1
3rd	1.53 : 1
4th	1.24 : 1
5th	1 : 1
6th (Overdrive)	.84 : 1
Final Drive Ratio	2.12 : 1
Clutch Type	Wet, Multi Plate, Diaphragm Spring
Dimensions and specifications may vary with features, options and accessories. Specifications subject to change without notice or obligation.	

SPECIFICATIONS

2009	VICTORY VISION
Wheels And Tires	
Front Wheel Type / Size	Cast or Billet 18 x 3.0 inch
Front Tire Type / Size	Dunlop Elite 3 - 130/70R18 63H Radial
Rear Wheel Type / Size	Cast or Billet 16 x 5.0 inch
Rear Tire Type / Size	Dunlop Elite 3 - 180/60R16 74H Radial
Electrical	
Alternator	50 Amp Maximum Output
Battery	12 Volt / 18 Amp Hour / 310 CCA / Yuasa YTX20HL
Fuses / Circuit Breakers	
(Left Fuse Box) (See page 185)	
Ignition	10A Breaker
Headlight	20A Breaker
Gauges	5A
Dimensions and specifications may vary with features, options and accessories. Specifications subject to change without notice or obligation.	

SPECIFICATIONS

2009	VICTORY VISION
Light & Fuses (Continued)	
Fuses (Left Fuse Box, Continued)	
Radio	25A
Secondary Lights	20A
Horn	20A
Turn Signal / Brake	20A
(Right Fuse Box) (See page 185)	
Engine	15A Breaker
Windshield (Electric)	20A
Fuel Pump / Ignition Coil	15A
Chassis	20A
Dimensions and specifications may vary with features, options and accessories. Specifications subject to change without notice or obligation.	

SPECIFICATIONS

2009	VICTORY VISION
Lights	
Headlamp (High / Low)	H4 55/60W
Driving Lamp (Standard)	HS1 35W
Driving Lamp (HID)	D1R 35W
Turn / Tail / Brake Lamp	3157 27/ 7W
License Plate Lamp	W5W 5W
Trunk Lamps (Running Lights)	W5W 5W
Courtesy Lamp (trunk, if equipped)	6411 10W
Dimensions and specifications may vary with features, options and accessories. Specifications subject to change without notice or obligation.	

SPECIFICATIONS

Fuel Specification

Your VICTORY motorcycle was designed to use unleaded gasoline with a **minimum octane rating of 91 (R+M / 2 method)** for best performance. Follow the guidelines below to ensure maximum performance, driveability, and engine service life.

Use only unleaded gasoline - 91 Pump Octane Minimum (R+M/2 Method)

Gasoline containing up to 10% Ethanol can be used.

Gasoline containing up to 15% Methyl Tertiary Butyl Ether (MTBE) can be used.

DO NOT USE E-85 GASOLINE OR GASOLINE CONTAINING METHANOL
Using E85 or gasoline / methanol blends can result in poor starting and driveability, and may damage critical fuel system components.

SPECIFICATIONS

Engine Oil Specification

Polaris Recommends the use of VICTORY brand Semi-Synthetic 20W40 Motor Oil or equivalent *motorcycle* oil that is approved for use in wet clutch transmissions such as *JASO MA* rating.

SPECIFICATIONS

Service Manual

Some procedures are beyond the scope of this manual. If you decide to perform service work that is not described here, please see your authorized VICTORY dealer to purchase the appropriate service manual.



WARNING

Some procedures provided in the Service Manual require specialized knowledge, equipment, and training, and can be dangerous to perform. Be sure you have the required technical skills and tools that are needed before you attempt ANY service on your motorcycle. Your VICTORY dealer has trained technicians with the knowledge and skills to keep your motorcycle operating at peak performance. Please contact your VICTORY dealer before attempting any service work that is beyond your level of technical knowledge or experience, or if the work requires specialized equipment.



SPECIFICATIONS

NOTES



Specifications



250



AUDIO SYSTEM OVERVIEW

System Overview

Introduction

The following sections review how to use the AM/FM/WB audio system, CB radio, XM radio, auxiliary and iPod audio, and CD changer.

Please note that your motorcycle may not be equipped with all of the components listed above. Components not installed at the factory can be purchased from and installed by your local VICTORY dealer.

Radio Frequencies

North America

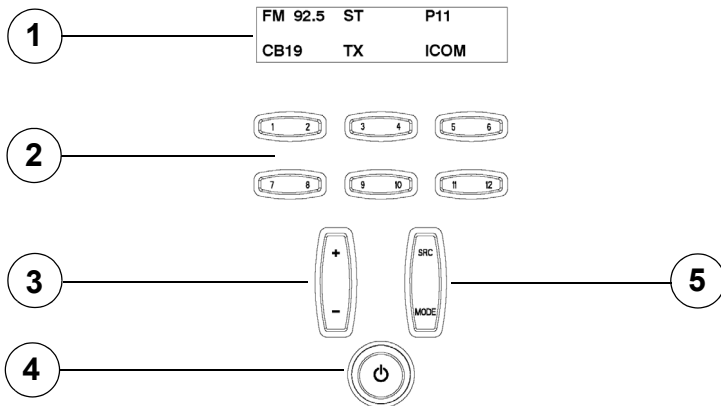
- AM 530 to 1700 kHz
- FM 87.9 to 107.9 MHz
- WX 162.40 to 162.55 MHz

European

- FM 87.5 to 108.00 MHz
- MW 531 to 1602 kHz
- LW 144 to 279 kHz

AUDIO SYSTEM OVERVIEW

Main User Interface



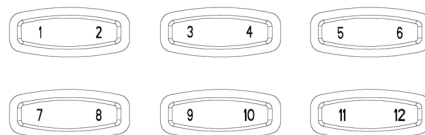
AUDIO SYSTEM OVERVIEW

Reference the main user interface graphic on previous page.

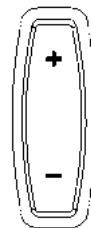
1. **LCD screen:** The LCD screen displays information for the active source.

FM 92.5	ST	P1
CB19	TX	ICOM

2. **Memory presets:** Allows operator to store and recall up to 12 radio stations, directly-select any 1 of 10 CDs in CD changer, or directly-access up to 11 iPod user-defined playlists.



3. **Volume - Menu Option Select control:** Acts as volume control or cycles through menu options in the MODE menus.

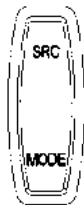


AUDIO SYSTEM OVERVIEW

4. **Power ON / OFF:** Press the power button to turn the system on or off.

NOTE: Ignition switch must be on or in the ACC position.

5. **Source (SRC) - Mode:** Press SRC to cycle through available sources, or exit mode menus. Press MODE to access the radio settings menu.



U.S. Sources:

- FM / AM / WB / AUX or iPod / XM Radio / CD Changer

European Sources:

- FM / MW / LW / AUX or iPod / CD Changer

Mode Menu Options:

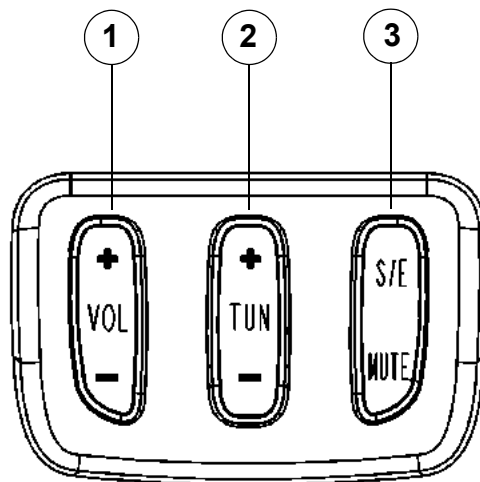
- Bass / Treble / Fader / External Speakers / AVC / CB Headset ENT / ICOM Volume / CB Volume / CB LO/DX / Tuning / XM Display / XM Category / XM Scan Mode

NOTE: Sources and menu options will only be displayed for installed components.

AUDIO SYSTEM OVERVIEW

Lower Left-Hand Control

1. **Volume control:** Press to increase(+) or decrease(-) audio volume. Press and hold to rapidly increase or decrease volume.
2. **Tuner control:** Press to manually tune radio stations, CD or iPod tracks. Hold to automatically seek or scan radio stations or FF/RW CD or iPod tracks.
3. **Source/Exit - Mute select:** Press S/E to cycle through available sources or to exit from current MODE setting.
4. Press MUTE to silence audio from speakers/headsets, and pause CD player or iPod.

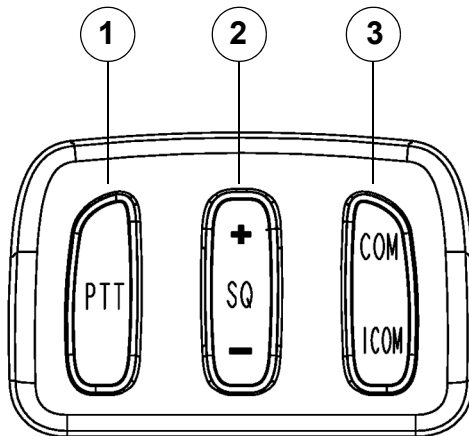


AUDIO SYSTEM OVERVIEW

Upper Left-Hand Control*

1. **PTT**: "Push-to-Talk" Press and hold PTT button to transmit over CB radio.
2. **Squelch**: Press SQ(+) or SQ(-) to adjust CB radio channel reception sensitivity.
3. **COM - ICOM select**: Press COM to turn the CB on or off. Press and hold to select COM channel. Press ICOM to turn the driver/passenger intercom on or off. Press and hold to access VOX settings (Voice Activated Switch).

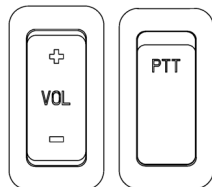
* If equipped with CB radio.



AUDIO SYSTEM OVERVIEW

Rear Passenger Control

1. **Rear PTT:** “Push-to-Talk” Press and hold PTT to transmit over the CB radio only if CB radio is present.
2. **Rear Volume control:** Press VOL(+) to increase or VOL(-) to decrease rear passenger headset volume.





Audio Overview

AUDIO SYSTEM OVERVIEW

Audio System Notes



Audio Features

System Power

The ignition key must be in the ACC or ON position to use the audio system.

With the key in the ACC or ON position and audio system OFF, the screen will display "VICTORY MOTORCYCLES".



**VICTORY
MOTORCYCLES**

AUDIO FEATURES

NOTE: To prevent battery power loss, do not leave the key in the ACC position for long periods of time. It is recommended to have the engine running whenever using the audio system.

Features

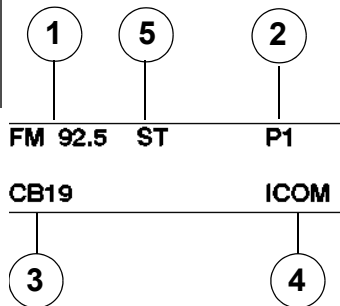
AUDIO FEATURES

Press the power button to turn the audio system on.

When powered, the screen will display the active source(s).



Features



1. Current audio source:

- (U.S.) FM / AM / WB / iPod - AUX / XM / CD Changer
- (Euro) FM / MW / LW / iPod - AUX / CD Changer

2. Station preset number (P1 - P12).

3. CB radio active and active channel.*

4. Intercom system active.*

5. Stereo indicator.

NOTE: The audio system will always display the last active source when turned on.

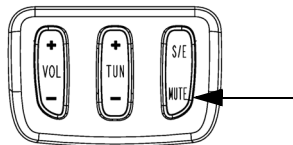
* If equipped.

Volume Control

The driver can set the volume level for the front and rear speakers, turn the speakers off or on and mute the system audio level.

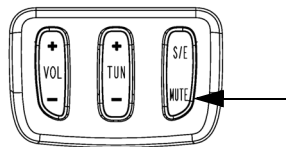
Audio Mute

Press and release MUTE to drop audio system volume.

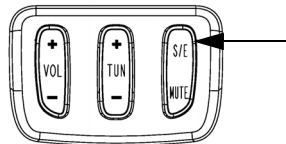


AUDIO FEATURES

To resume volume to prior level, press and release: MUTE on LH control



or S/E on LH control.



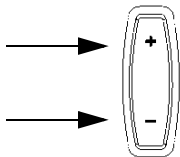
Features

AUDIO FEATURES

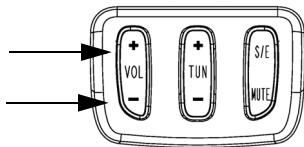
Audio Volume

Press and release (+) or (-) on console to raise or lower volume

Features



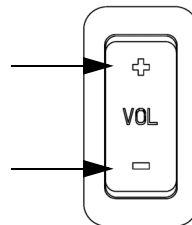
or VOL (+) or (-) on LH control



Passenger Volume

The passenger can control the rear headset music volume and the CB/ICOM volume when either are active.

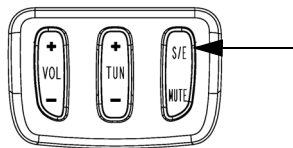
Press (+) or (-) on the passenger control to raise or lower the rear headset volume.



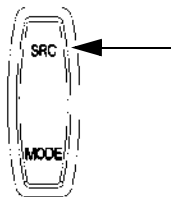
AUDIO FEATURES

Selecting Audio Sources

Press and release S/E



or SRC until desired source is active.



FM source active:

FM 92.5 ST

U.S. / European models

AM source active:

AM 1130

U.S. models only

Features

AUDIO FEATURES

WB (Weather) source active:

WB 1

U.S. models only

AUX source active:

AUX

U.S. / European models

iPod source active:

iPod Name of Song

U.S. / European models

* Source skipped if component not present.

264

XM Radio source active*:

XM 8

The 80s

U.S. models only

* Source skipped if component not present.

After 5 seconds, the display will show either the artist, song title, channel name or category.

**XM 8 Artist, Song Title,
Channel Name or Category**

AUDIO FEATURES

CD Changer source active*:

CD 1	TRK4	0:04
------	------	------

U.S. / European models

* Source skipped if component not present.

LW (Long Wave) source:

LW 144	P1
--------	----

European models only

MW (Medium Wave) source:

MW 531	P1
--------	----

European models only

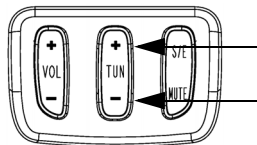
Features

AUDIO FEATURES

Audio Tuning

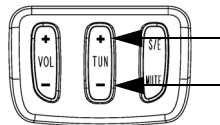
FM, AM, WB, and XM stations can be selected by using the tuning function.

Press and release TUNE (+) or TUNE (-) on the left control to locate stations in single-step increments.

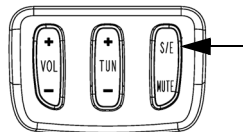


Press and hold TUNE (+) or TUNE (-) on the LH control to seek or scan for stations depending on mode setting.

Press and release TUNE (+) or TUNE (-) on the LH control



or S/E on the LH control to exit seek or scan function.



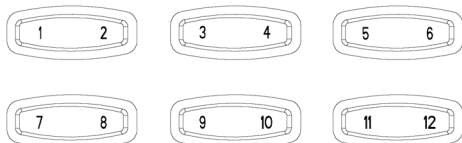
Memory Presets

The audio system features 12 user-defined presets that can be used to store favorite stations.

To set a preset, select the desired source (FM, AM, WB, XM, MW, or LW).

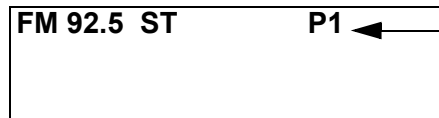
Use TUNE or seek/scan to locate radio station.

Press and hold one of the console preset buttons (P1 - P12) until the audio sound is muted for 1/2 second.

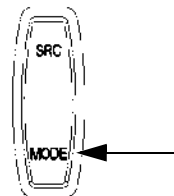


AUDIO FEATURES

Once the station is given a preset location, the screen will display its memory preset location.



Press and release the MODE button on the console panel to enter the audio system settings sub-menus.

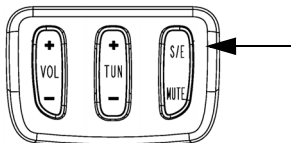


Continue to press and release the MODE button until the desired setting is shown on the display screen.

Features

AUDIO FEATURES

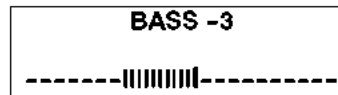
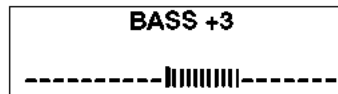
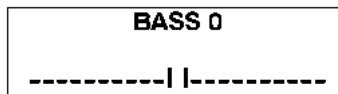
Press S/E on the LH control, or the SRC button at any time to exit the system setting sub-menus and return to the default screen.



NOTE: After 5 seconds of inactivity, the system will exit the setting menu and return to the default display.

Bass Setting

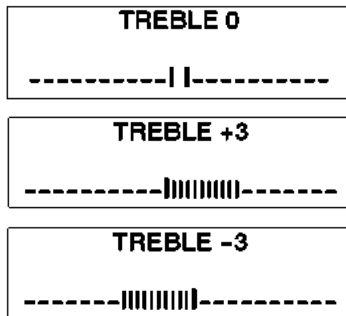
Press the console panel (+) or (-) button to increase or decrease audio bass level.



AUDIO FEATURES

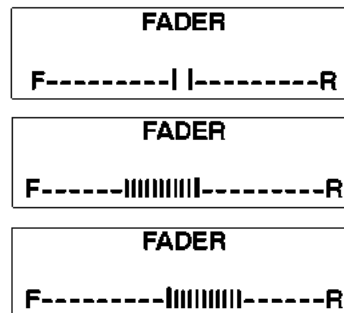
Treble Setting

Press the console panel (+) or (-) button to increase or decrease audio treble level.



Fader Setting*

Press the console panel (+) or (-) button to attenuate the front and rear speaker output ratio.



*Setting skipped when external speakers are off.

Features

AUDIO FEATURES

External Speakers

Press the console panel (+) or (-) button to turn the external speakers on or off.

Features

EXTERNAL SPKRS

OFF

EXTERNAL SPKRS

ON

AUDIO FEATURES

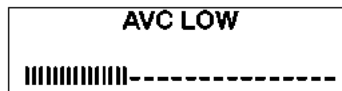
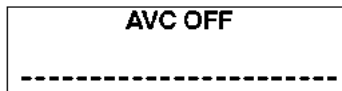
Automatic Volume Control (AVC)

Press the console panel (+) or (-) button to set the Automatic Volume Control settings.

AVC will lower or raise the speaker/headset volume based on the ambient vehicle noise level.

- AVC Off = No AVC. Volume will not adjust.
- AVC Low = Least aggressive AVC setting.
- AVC Medium = Moderate AVC setting.
- AVC High = Most aggressive AVC setting.

AVC Display



AUDIO FEATURES

CB Headset ENT Mode*

*Setting skipped when COM system is not present.

Press the console panel (+) or (-) button to set the CB Headset ENT settings.

Features

HEADSET ENT MODE

OFF

HEADSET ENT MODE

MIX

HEADSET ENT MODE

MUTE

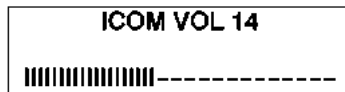
OFF = Enables the driver and passenger to communicate with the ICOM without listening to an audio source.

MIX = The audio source volume will be set lower than the ICOM volume whenever the VOX is opened. The audio source volume is slowly returned to its original volume level once the VOX is closed.

MUTE = The audio source volume is muted when the VOX is opened. The audio source volume is slowly returned to its original volume level once the VOX is closed.

ICOM Volume*

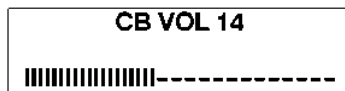
Press the console panel (+) or (-) button to set the driver ICOM volume.



*Setting skipped when COM system is not present.

CB Volume*

Press the console panel (+) or (-) button to set the driver CB volume.

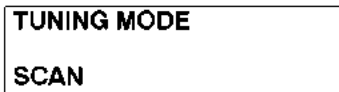
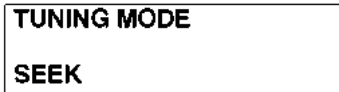


*Setting skipped when COM system is not present.

AUDIO FEATURES

Tuning (Seek / Scan Modes)

Press the console panel (+) or (-) button to set the tuner seek or scan mode.



AUDIO FEATURES

CB LO/DX*

Press the console panel (+) or (-) button to set the CB to either LOCAL (LO) or DISTANT (DX) mode.

Reference the CB / ICOM section for more information.

Features

CB LO / DX MODE

DISTANT

CB LO / DX MODE

LOCAL

*Setting skipped when CB radio is not present.

XM Display*

Press the console panel (+) or (-) button to set the screen to display the artist, song title, channel name or category when the XM radio is active.

XM DISPLAY

ARTIST

XM DISPLAY

TITLE

*Setting skipped when XM radio is not present.

XM Category*

Press the console panel (+) or (-) button to set the music selection category when tuning XM. These categories are downloaded from XM whenever the XM antenna is receiving a signal and may change from time to time.

XM Category

All Categories

XM Category

Decades

XM Category

Etc.

XM Scan Mode*

Press the console panel (+) or (-) button to turn ON or OFF the XM Scan Mode. When Scan Mode is ON pressing Tune (+) or Tune (-) will tune to the next higher or lower XM channel, remain there for ~5 seconds, and then automatically tune to the next higher or lower channel until Tune (+) or Tune (-) is pressed again.

XM Scan Mode

OFF

XM Scan Mode

ON

*Setting skipped when XM radio is not present.

AUDIO FEATURES

NOAA Weather Band (WB)

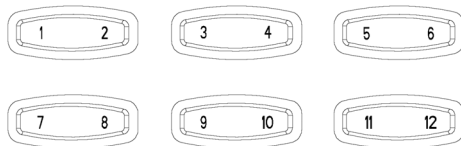
When the WB source is selected, a total of 7 weather band channels are available.

Weather band channels are broadcast by the National Oceanic and Atmospheric Administration (NOAA). NOAA operates more than 940 transmitters covering all 50 U.S. states, Puerto Rico, the U.S. Virgin Islands, U.S. Pacific Territories, and adjacent coastal waterways.

WB Channels

WB Ch.	Freq.
1	162.400
2	162.425
3	162.450
4	162.475
5	162.500
6	162.525
7	162.550

Access each WB channel by pressing P1 - P7 on the console, or use Tune (+) (-).



CB Radio / ICOM System

Getting Started

The ignition key must be in the ACCESSORY or RUN position to use the audio system.

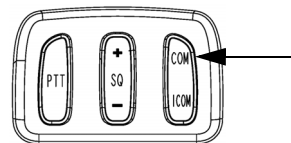
With the key in the ACCESSORY or RUN position and audio system OFF, the screen will display "VICTORY MOTORCYCLES".

NOTE: To prevent battery power loss, do not leave the key in the ACC position for long periods of time. It is recommended to have the engine running whenever using the audio system.

CB RADIO / ICOM

Press the **power button** to turn the audio system on.

Press **COM** on the upper LH control to activate the CB-COM system.



CB/ICOM

CB RADIO / ICOM

CAUTION

Some local governments restrict or prohibit the use of helmet-mounted headsets. Always obey all applicable regulations and laws.

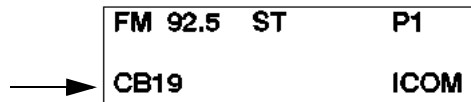
Always make adjustments to the CB / ICOM system prior to operating your motorcycle to minimize distractions while riding.

Reference the FCC Plain Rules pamphlet accompanying this Rider's Manual for a comprehensive guide of citizens band (CB) rules and regulations.

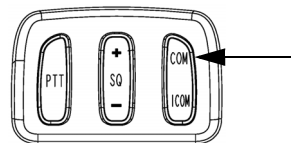
CB/ICOM

Adjusting Channels

When the CB radio system is active, CB and the active CB channel will be shown on the display screen.



Press and hold **COM** on the upper LH control to access the **CHANNEL ADJUST** screen.



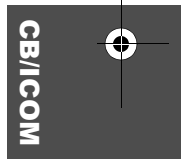
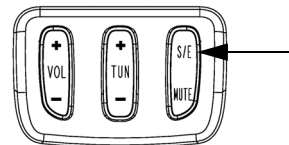
Push **COM** or **ICOM** or (+) / (-) on the console panel to select desired CB channel.



NOTE: Changing to a new channel may require changing the squelch setting.

CB RADIO / ICOM

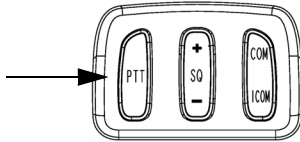
Press **S/E** on the lower LH control, or allow the system to time-out to exit the **CHANNEL ADJUST** screen and return to the main display.



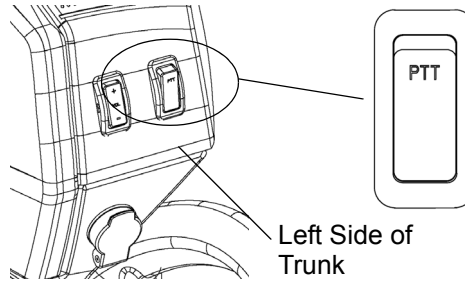
CB RADIO / ICOM

Push-to-Talk (PTT)

Press and hold the PTT button on the upper left control to communicate over the CB radio.



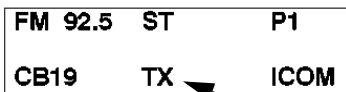
The passenger can communicate over the CB radio by pushing and holding the rear **PTT** button.



CB/ICOM

CB RADIO / ICOM

“TX” will be displayed on the console screen whenever one of the **PTT** buttons is pressed signifying the user is transmitting over the CB radio.

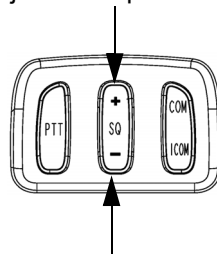


“RX” will be displayed when the CB is receiving a transmission.

Squelch

Squelch is a feature that blocks undesired signals and noise by only allowing the reception of signals over a specified level.

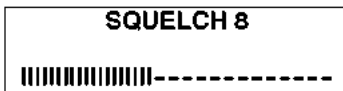
Press and release the **SQ(+)** or **SQ(-)** buttons to adjust the squelch level.



CB/ICOM

CB RADIO / ICOM

The squelch level can be adjusted between **OPEN** and **CLOSED**.

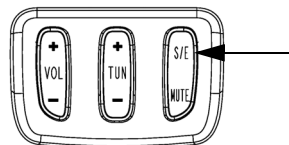


When squelch is set to **OPEN**, no filtering occurs. Setting squelch to **CLOSE** blocks all signals, including strong signals.

To set the squelch level, lower the squelch level until noise or static is heard.

After hearing noise or static, increase the squelch level until the noise or static is gone.

Press **S/E** on the lower left control or allow the system to time-out to exit the **SQUELCH** set screen and return to the main display.



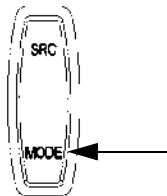
CB RADIO / ICOM

CB Radio Volume Setting (Driver)*

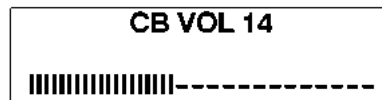
*Setting skipped when CB radio is not present.

Press and release the **MODE** button on the console panel to enter the audio system settings sub-menu.

Continue to press and release the **MODE** button until the desired setting is shown on the display screen.



Press the console panel (+) or (-) button to set the **CB volume**.



CB/ICOM

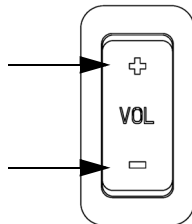
CB RADIO / ICOM

CB Radio Volume Setting (Passenger)*

*Setting skipped when CB radio is not present.

The passenger can control rear headset volume when the Entertainment, CB radio or ICOM is active (each volume setting is independently adjustable.)

Press (+) or (-) on the passenger control to raise or lower the rear headset volume.

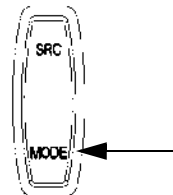


CB LO/DX*

*Setting skipped when CB radio is not present.

Press and release the **MODE** button on the console panel to enter the audio system settings sub-menus.

Continue to press and release the **MODE** button until the desired setting is shown on the display screen.



CB/ICOM

CB RADIO / ICOM

CB Frequencies

There are 40 citizen band (CB) channels designated for use by the Federal Communications Commission (FCC).

NOTE: The FCC has designated Channel 9 as an EMERGENCY channel.

Press the console panel (+) or (-) button to set the CB to either **LOCAL (LO)** or **DISTANT (DX)** mode.

CB LO / DX MODE

DISTANT

Distant = Receiver sensitivity increased.
Use for weaker signals. Static and noise levels increased.

CB LO / DX MODE

LOCAL

Local = Receiver sensitivity decreased.
Use for stronger signals or in high density areas. Static and noise levels decreased.

CB/ICOM

CB RADIO / ICOM

CB Channels / Frequencies

Ch.	Freq.	Ch.	Freq.	Ch.	Freq.
1	26.965	8	27.055	15	27.135
2	26.975	9	27.065	16	27.155
3	26.985	10	27.075	17	27.165
4	27.005	11	27.085	18	27.175
5	27.015	12	27.105	19	27.185
6	27.025	13	27.115	20	27.205
7	27.035	14	27.125	21	27.125
22	27.225	31	27.315	40	27.405

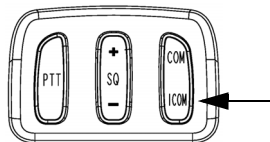
CB/ICOM

CB Channels / Frequencies

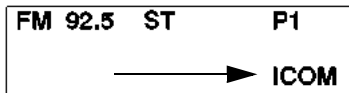
Ch.	Freq.	Ch.	Freq.	Ch.	Freq.
23	27.255	32	27.325		
24	27.235	33	27.335		
25	27.245	34	27.345		
26	27.265	35	27.355		
27	27.275	36	27.365		
28	27.285	37	27.375		
29	27.295	38	27.385		
30	27.305	39	27.395		

ICOM System

Press and release ICOM on the upper LH control to activate the intercom system.



When the intercom system is active, **ICOM** will be displayed on the console screen.

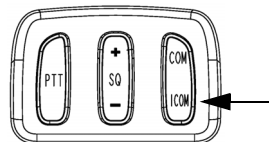


CB RADIO / ICOM

VOX Break Setting

The intercom is opened and closed using a voice operated switch (VOX). The volume sensitivity level required to open the intercom can be adjusted using the VOX sensitivity setting.

Press and hold **ICOM** on the upper LH control to access the **VOX** sensitivity set screen.



CB/ICOM

CB RADIO / ICOM

Push **COM** or **ICOM** or (+) / (-) on the console panel to select desired **VOX** sensitivity setting. Lower settings require less volume to open the intercom.

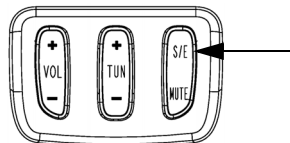
If wind, or ambient vehicle noise trigger the **VOX** to open, set the **VOX** sensitivity to a higher level.

VOX 10



CB/ICOM

Press **S/E** on the lower LH control to exit the **VOX** volume set screen and return to the main display.



“**VOX**” will be displayed on the console screen whenever the driver or passenger are communicating over the intercom system.

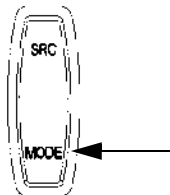
FM 92.5	ST	P1
➔	VOX	ICOM

ICOM Volume Setting (Driver)*

*Setting skipped when CB radio is not present.

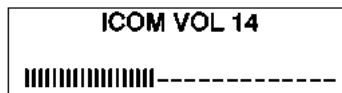
Press and release the **MODE** button on the console panel to enter the audio system settings sub-menus.

Continue to press and release the **MODE** button until the desired setting is shown on the display screen.

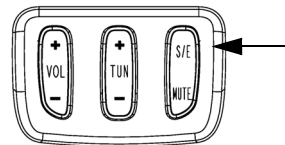


CB RADIO / ICOM

Press the console panel (+) or (-) button to set the **ICOM** volume.



Press **S/E** on the left control at any time to exit the system setting sub-menus and return to the default screen.



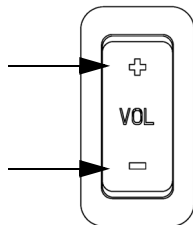
CB/ICOM

CB RADIO / ICOM

ICOM Volume Setting (Passenger)

The passenger can control the rear speaker volume only when the CB radio, ICOM, or rear headset speakers are active.

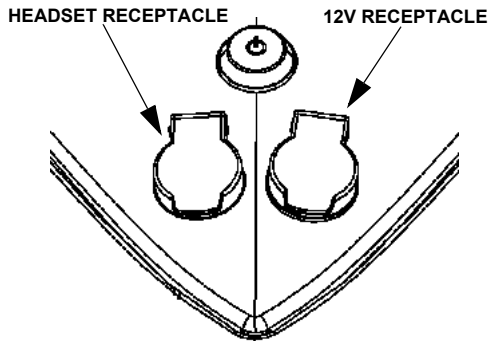
Press (+) or (-) on the passenger control to raise or lower the rear speaker volume.



Headset Receptacles

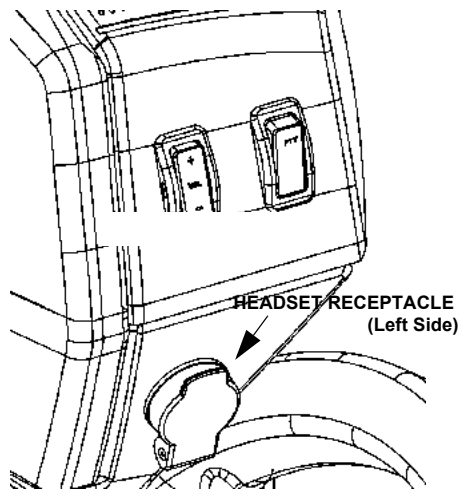
A headset receptacle is provided for both the driver and passenger (if equipped).

Driver Receptacle




CB RADIO / ICOM

Passenger Receptacle



CB/ICOM

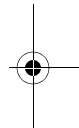


CB RADIO / ICOM

CB Radio / ICOM NOTES



CB/ICOM



292



Overview

Getting Started

The ignition key must be in the ACCESSORY or RUN position to use the AUX or iPod function.

With the key in the ACCESSORY or RUN position and audio system OFF, the screen will display "VICTORY MOTORCYCLES".

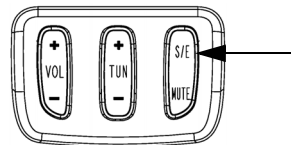
NOTE: To prevent battery power loss, do not leave the key in the ACCESSORY position for long periods of time.

NOTE: It is recommended to have the engine running whenever using the audio system.

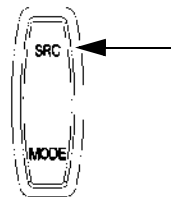
AUX - iPod

Press the power button to turn the audio system on.

Press and release the S/E button on the lower LH control...



...or SRC on the console panel until AUX or iPod® is active.



Aux/iPOD


AUX - iPod

When AUX is active, the console screen will display "AUX".



AUX

When iPod is active, the console screen will display the name of the iPod.



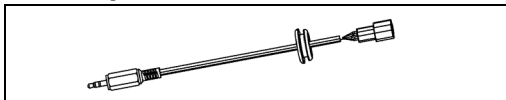
Neil's iPod

* iPod is a registered trademark of Apple Inc.

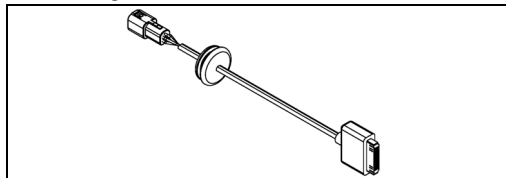
Aux/iPOD

AUX - iPod

AUX Input Cable



iPod Input Cable



Input Cable Setup

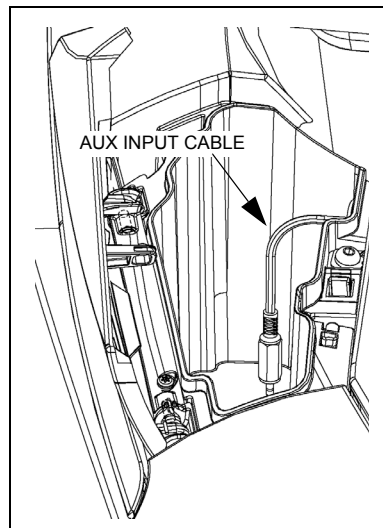
The AUX and iPod input cables are connected to the audio system through a small hole in the left-side console storage bin. Only one input cable can be connected at any given time.

To change an input cable:

1. Open the left-side console storage bin.
2. Locate the input cable and sealing grommet at the bottom of the bin.
3. Carefully pull the cable inside the bin.

AUX - iPod

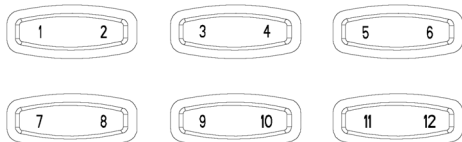
4. Disconnect the cable from the harness by carefully pushing up on the green tab. **DO NOT ALLOW THE HARNESS TO DROP BACK THROUGH THE HOLE.**
5. Install the desired input cable.
6. Carefully push the sealing grommet back into the hole.



Aux/iPOD

iPod Play-Lists

The iPod's main music library and user-defined play-list(s) can be accessed by using the console preset buttons.



NOTE: Generic MP3 players cannot be controlled through the audio system.

AUX - iPod

Press and release preset button (1) to access the iPod's main music library.

Neil's iPod

Press and release preset buttons (2) through (12) to access the iPod's user-defined play-list(s).

MY TOP RATED

Aux/iPOD

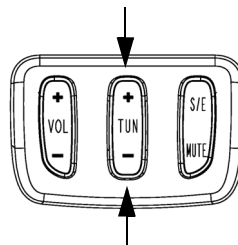
AUX - iPod

iPod Tuning

Press and release the TUNE (+) or TUNE (-) button on the lower LH control to move 1 track forward or 1 track backward.

Press and release the TUNE (+) or TUNE (-) button on the lower LH control twice (double click) to move 10 tracks forward or 10 tracks backward.

Press and hold the TUNE (+) or TUNE (-) button on the lower LH control to fast forward or reverse the track.



Aux/iPOD

XM Radio

Overview

XM Satellite Radio*



XM Satellite Radio gives subscribers the power to choose what they want to hear - wherever and whenever they want it.

- Over 170 digital channels
- The most commercial-free music in satellite radio
- Live concerts plus exclusive original programming
- The biggest names in news, talk and entertainment
- The most sports play-by-play
- Major league baseball. Every team. All season long.

* XM and its corresponding logos are trademarks of XM Radio Inc.

Getting Started

The ignition key must be in the ACC or ON position to use the XM radio.

With the key in the ACC or ON position and audio system OFF, the screen will display “VICTORY MOTORCYCLES”.

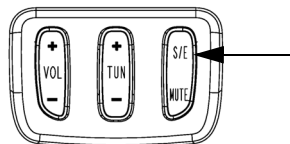
XM Radio

NOTE: To prevent battery power loss, do not leave the key in the ACC position for long periods of time. It is recommended to have the engine running whenever using the audio system.

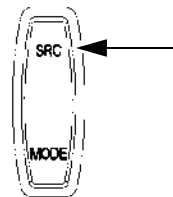
Press the power button to turn the audio system on.



Press and release the S/E button on the lower left control



or SRC on the console panel until the XM RADIO is active.



XM Radio

When the XM Radio is active, the console screen will display the XM radio channel, and either the artist, song title, channel name or category.

**XM 8 Artist, Song Title,
Channel Name or Category**

If a category other than "ALL" is selected, the display will show the channel number and "C".

XM 8 C

XM Reception

If the XM radio is not receiving a signal due to being located indoors or some other overhead obstruction, the word "Antenna" will show on the display.

XM 8 ANTENNA

XM Radio

Activating XM Radio Service

With the XM radio active, tune to channel 0 to view the XM ID Number on the screen.

XM Serial Number

CE1PK00K

Record the XM ID number here:

--	--	--	--	--	--	--	--

NOTE: The letters I, O, S, and F are not used.

Your XM radio can be activated by calling XM Listener Care at 1-800-XM-Radio (1-800-967-2346) or by visiting the XM Radio Website at <http://www.xmradio.com>.

Have your XM ID number and a major credit card ready.

The activation process normally takes 10 to 15 minutes, but can take up to an hour during times of high usage.

During the activation process, the ignition key must be in the ACCESSORY position and the audio system must be ON.

To prevent battery discharge, VICTORY recommends activating your XM radio by riding your motorcycle in open areas and away from objects that may interfere with satellite reception.

CD CHANGER

Overview

Getting Started

The ignition key must be in the ACC or ON position to use the CD changer.

With the key in the ACC or ON position and audio system OFF, the screen will display "VICTORY MOTORCYCLES".

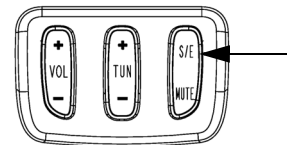
NOTE: To prevent battery power loss, do not leave the key in the ACC position for long periods of time. It is recommended to have the engine running whenever using the audio system.

Press the **power button** to turn the audio system on.

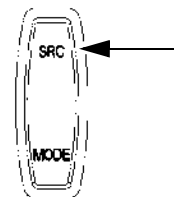


CD

Press and release the **S/E** button on the lower LH control...



...or **SRC** on the console panel until the **CD changer** is active.



CD CHANGER

When the **CD changer** is active, the console screen will display the

CD

CD 1	TRK4	0:04
------	------	------

CD Player Cartridge

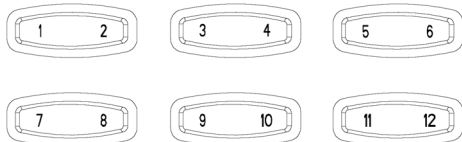
1. With ignition switch ON or in ACC, open the CD changer door.
2. Press the EJECT button.
3. Remove the CD cartridge from the CD player.
4. Slide one of 10 trays out of the cartridge. Insert a CD (data side down) into the tray.
5. Slide the tray back into the cartridge.
6. Carefully insert the cartridge back into the CD player.
7. Close and latch the CD player door.

CD CHANGER

Selecting CDs

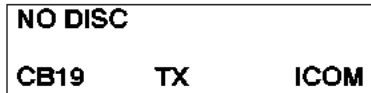
The CD changer can hold up to 10 CDs. Each CD can be accessed by using the console preset buttons.

Press and release one of the console preset buttons (P1 - P10) to access a CD.



If no disc is located in the location pressed, the CD changer will move to the next highest disc location until a disc is found.

If preset buttons P11 or P12 are pressed, **"NO DISC"** will be shown on the console display.



CD

CD CHANGER

When a disc is found, the disc number (A), track number (B), and track time duration (C) will be shown on the console display screen.

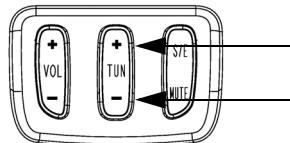
CD

(A)	(B)	(C)
CD6	TRK 12	11:20
CB19	TX	ICOM

CD Track Selection

Press and release the TUNE (+) or TUNE (-) button on the lower LH control to move forward or reverse 1 track on the CD.

Press and hold the TUNE (+) or TUNE (-) button to fast forward or fast reverse through the CD track.



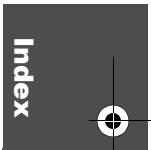
NOTE: To preserve battery power, the CD Track (which track was playing) and CD Slot Location memory (which slots contained CDs) will be lost after several days of non-use (Ignition key OFF).

A

Accelerate, Cruise Control	122
Accelerating	119
Accessory Selection & Installation	21
Adjustment	
Foot Control	75
Front Brake Lever	72
Headlamp Aim	188
Rear Suspension Air Pressure	153
Throttle Cable Free Play	162
Wheel Alignment	152
Windshield (Electric)	64
Windshield (Manual)	76
Adjustment, Mirror	106
Aim, Headlamp, Inspection	187
Air Filter	143
Air Pressure, Rear Suspension	153
Air Temperature Display	53
Aluminum Care	212
Apparel, Protective	18

A

Audio Features	
AM Radio	263
Automatic Volume Control (AVC)	271
AUX	264
Bass Setting	268
CB Headset Entertainment Mode	272
CB Local (LO) / Distant (DX)	274
CB Volume	273
CD Changer	265
Fader Setting	269
FM Radio	263
Intercom (ICOM) Volume	273
iPod	264
Long Wave (LW)	265
Medium Wave (MW)	265
Memory Presets	267
Mute	261
Passenger Volume	262
Seek / Scan	273



A

Audio Features

Source Selection	263
Speakers, External	270
System Power	259
Treble Setting	269
Tuning, Audio	266
Volume Control	262
Volume Features	261
Weather Band	264
Weather Band (NOAA)	276
Weather Band Channels	276
XM Category	275
XM Radio	264
XM Radio Display	274
XM Scan Mode	275

Audio Systems

Frequencies (Overview)	251
Left Hand Controls (Lower)	255
Left Hand Controls (Upper)	256

A

Audio Systems

Main User Interface	252
LCD Screen	253
Memory Presets	253
Power	254
Source (SRC) Mode	254
Volume Menu	253
Overview of Operation	251
Passenger Controls	257

AUX

Getting Started	293
Input Cable	295
iPod Input Cable	295
iPod Play Lists	297
iPod Tuning	298
Axle Torque	201
Axle, Rear, Inspection	155

B	
Battery	
Charging	180
Installation	183
Precautions	179
Removal	181
Belt, Drive, Condition	144
Belt, Drive, Tension Adjustment	151
Belt, Drive, Tension Data	146
Belt, Drive, Tension Process	147
Belt, Drive, Wear	145
Brake Disc Inspection & Cleaning	172
Brake Fluid Precautions	168
Brake Hose Inspection	95, 172
Brake Lever, Front	166
Brake Light Bulb Replacement	197
Brake Pedal, Rear	167
Brakes, Checking Pedal / Lever Movement	92
Brakes, Front	
Fluid Level	93, 170
Lever Reach	72
Pad Inspection	96

B	
Brakes, Linked	71
Brakes, Rear	
Disc	172
Fluid Level	94, 171
Pad Inspection	96
Braking Techniques	124
Break-in Period, Engine	108
Breather, Crankcase	160
Bulb, Headlamp, Replacement	195
C	
Capacity, Engine Oil	142
Carrying Cargo	17
CB Radio	
Channel Adjustment	278
Channels & Frequencies	285
Local (LO) / Distant (DX) Setting	284
Push-to-Talk (PTT)	280
Squelch	281
Volume (Driver)	283
Volume (Passenger)	284

C	
CB Radio / ICOM System, Getting Started	277
CB System, Headset Receptacles	290
CD Changer	
CD Selection	305
Overview	303
Player Cartridge	304
Track Selection	306
Channels, CB Radio	285
Charging, Battery	180
Check Engine Indicator	59
Chrome Polishing	213-214
Cleaning Brakes, Front Disc	172
Cleaning Products	207
Clock, Setting	52
Clothing	18
Clutch Fluid Level	169
Clutch Lever	67, 165
Compartment, Glove	79
Compression, Engine	178
Console Panel Removal	190
Crankcase Breather Hose	160

C	
Cruise Control	
Accelerate	122
Cable Inspection	164
Cancelling	123
Decelerating	123
Resume	122
Safety	120
Setting	121
D	
Dash Panel, Instruments	49
Defects, Safety, Reporting	35
Downshifting	117
Drain Plug Torque, Oil	141
Drive Belt Alignment	152
Drive Belt Condition	144
Drive Belt Tension Adjustment	151
Drive Belt Tension Data	146
Drive Belt Tension Process Overview	147
Drive Belt Wear Analysis	145
Driving Lamp Switch	57

E	
E-85 Fuel Blends	247
Electrical Precautions	198
Electromagnetic Interference	26
Elevating The Motorcycle	200
Emergency Flashers	56
Emission Control	
Noise	38
Vehicle	38
Emissions	
Noise Warranty	227
Tampering Violations	225
Warranty Coverage	228
Emissions Control Warranty	228
Engine	
Break-in Period	108
Compression	178
Oil & Filter Change	140
Oil Capacity	142
Oil Level	140
Start Switch	69
Starting	112
Stop Switch	68
Stopping	125

E	
Engine Number	38
Error Screen	52
Ethanol	247
Evaporative Emission Inspection	159
Exhaust	178
Exhaust Precautions	24

F	
Fast Idle	160
Fastener Inspection	189
Fastener Torque	201
Filter, Air	143
Filter, Oil	140
Fluid, Brake, Precautions	168
Fluid, Clutch, Level	169
Foot Control Adjustment	75
Fork, Front, Inspection	157
Frequencies, CB Radio	285
Front Brake Fluid Level	170
Front Fork Inspection	157
Front Fork Oil	157
Front Turn Signal Bulb Replacement	196



F	
Fuel	
Cap	78
Door	77
Gauge	50
Stabilizer	220
Fuel System Component Inspection	159
Fuel system, Priming	111
Fuel Warning Light	60
Fueling	110
Fueling Procedures	23
Fuse Box Location	185
Fuse Inspection / Replacement	186
Fuse Location, Reverse System	186
G	
Gasoline Precautions	24
Gear Position Indicator	53, 58
Gear Shift Pedal	74, 174
Gears, Downshifting	117
Gears, Recommended Shift Speeds	115
Gears, Shifting	114
Gears, Upshifting	116
Glove Compartment	79
Gross Vehicle Weight Rating	27

H	
Handgrip Heater Switch	56
Hazard Switch	56
Headlamp Aim Adjustment	188
Headlamp Aim Inspection	187
Headlamp Bulb Replacement	195
High Beam Switch	63
Horn	66

I	
ICOM System	
Activation	287
Headset Receptacles	290
Voice Activation (VOX)	287
Volume (Driver)	289
Volume (Passenger)	290

Identification	
Front View	43
Left Side	41
Rear View	44
Rider's View	46
Right Side	42
Top View	45

I	
Identification Numbers	37
Idle, Fast	160
Ignition Key Replacement	39
Ignition Switch	48
Indicator	
Check Engine	59
Gear Position	53
High Beam	58
Low Fuel	60
Low Oil Pressure	60
Neutral/Gear Position	58
Turn Signal	59
Indicator Lamps	51
Information Display	51
Inspection	
Evaporative Emissions	159
Front Fork & Suspension	157
Fuel System Components	159
Steering Head	158
Swingarm & Rear Axle	155
Inspection, Fasteners	189
Inspection, Headlamp Aim	187

I	
Installation, Battery	183
Installation, Trunk	192
Instrument Cluster	49
Instruments	
Fuel Gauge	50
Speedometer	49
Tachometer	49
Volt Meter	50
J-K	
Jack, Motorcycle	200
Key Number	39
KPH to MPH, Changing	54
L	
Labels, Tire Information	34
Leather Care	216
Leather, Rubber and Vinyl Care	216
Left Handlebar Switch	62
Lever, Clutch	67, 165
Lever, Front Brake	166
Lifting The Motorcycle	200



L

Light Bulb, Tail, Brake, Turn197
 Linked Brake System71
 Loading Examples (GVWR)28
 Low Beam Switch63
 Lubrication, Engine Oil Level140

M

Maintenance

Battery Charging180
 Battery Installation183
 Battery Removal181
 Breather System160
 Clutch Fluid Level169
 Clutch Lever165
 Drive Belt Condition144
 Drive Belt & Rear Wheel Alignment152
 Drive Belt Tension Adjustment151
 Drive Belt Tension Data146
 Drive Belt Tension Process Overview147
 Drive Belt Wear Analysis145
 Exhaust Fasteners178
 Fast Idle Speed160
 Fasteners189

M

Maintenance

First Service132
 Front Brake Fluid170
 Front Brake Lever166
 Front Fork157
 Front Fork Oil157
 Fuel System159
 Guidelines129
 Log138-139
 Rear Brake Fluid171
 Rear Brake Pedal167
 Rear Suspension Air Pressure153
 Safety Reminders130
 Shift Pedal174
 Sidestand189
 Sidestand Pad189
 Spark Plugs177
 Steering Head158
 Table133-137
 Throttle Cable162
 Throttle Control161
 Tire Pressure176
 Tire Tread175

M

Maintenance, Headlamp Aim Inspection	187
Maintenance, Periodic, Safety	25-26
Manual, Service	249
Methanol	247
Metric to U.S.	54
Minimum Octane	247
Mirror, Rear View	106
Mode Button	62
Modifications	20
MPH to KPH, Changing	54
MTBE	247
Mufflers	178

N

NECI Label	33
Neutral Indicator	58
Noise Emission Control	38
Noise Emissions Warranty	227
Noise Regulation	225
Numbers, Identification	37

O

Odometer	54
Odometer, Trip	53
Oil & Filter Change	140
Oil Capacity	142
Oil Drain Plug Torque	141
Oil Level, Engine	140
Oil Pressure Indicator	60
Oil, Fork, Front	157
Operation, Vehicle	107
Oxygenated Fuel Use	247

P

Painted Finish, Polishing	213, 214
Panel, Console, Removal	190
Panel, Seat Trim, Install	194
Panel, Street Trim, Removal	193
Parking	20
Parking The Motorcycle	126
Passenger, Carrying	16
Patents	2
Pedal, Gear Shift	74

P	
Pedal, Rear Brake	73, 167
Pedal, Shift	174
Periodic Maintenance Safety	25-26
Polished Aluminum Care	212
Polishing	
Leather, Rubber and Vinyl	216
Paint and Chrome	213-214
Polished Aluminum	212
Premium Long-Lasting	215
Polishing the VICTORY Motorcycle	212-215
Pressure, Tire	176
Priming, Fuel System	111
Protectant, Leather, Rubber and Vinyl	216
Pure VICTORY Products	207
R	
Radio Operation	83
Rear Axle Inspection	155
Rear Brake Fluid Level	171
Rear Brake Pedal	73
Rear Turn Signal Bulb Replacement	197
Rear View Mirror	106

R	
Rear Wheel Alignment	152
Recommended Shift Speed Table	115
Records	
Engine Number	40
Ignition Key	40
VIN Number	40
Re-fueling	110
Regulation, Noise	225
Removal, Battery	181
Removal, Seat	190
Removal, Trunk	191
Reporting Safety Defects	35
Resetting Displays	62
Resume, Cruise Control	122
Reverse Idler Port	173
Reverse Operation	127-128
Reverse System Fuse	186
Ride Height Adjustment	153
Riding, Safe Practices	8-15
Road Test	200
Rubber Care	216

S	
Saddlebag	81
Saddlebags	19
Safe Riding Practices	8-15
Safety	
Battery Precautions	179
Brake Fluid Precautions	168
Cruise Control	120
Safety - Fueling	23
Safety - Riding Practices	8-15
Safety Defects, Reporting	35
Safety Labels	31
Safety Labels (NECI)	33
Safety Labels (Tires)	34
Safety Labels (VECI)	32
Safety, Reminders, Maintenance	130
Seat Heater Switch	61
Seat Removal	190
Seat Trim Panel Installation	194
Service Manual	249
Service, First Maintenance	132
Shift Speeds, Recommended	115

S	
Shifting Gears	
Downshifting	117
General	114
Recommended Shift Speeds	115
Speed Table	115
Upshifting	116
Sidestand	80
Sidestand Inspection	189
Sidestand Pad Inspection	189
Signal, Turn, Front	196
Spark Plugs	177
Specifications	
Capacities	240
Chassis	242
Dimensions	239
Drive System	243
Electrical	244
Engine	241
Engine Oil	248
Fuel Recommendation	247
Lights & Fuses	244-245
Weight	240
Wheels & Tires	244

S

Speedometer 49
 Squelch 281
 Stabilizer, Fuel 220
 Starter Button 69
 Starter Interlock 67
 Starting In Gear 67
 Starting, Engine 112
 Steering Head Inspection 158
 Stopping The Engine 125

Storage

Area Preparation 218
 Battery Care 221
 Covers 222
 Engine Protection 220
 Fuel Stabilizer 220
 Maintenance During 223
 Reminders 217
 Removal From 224
 Rodent Protection 222
 Tire Inflation 221
 Street Trim Panel Removal 193
 Suspension Adjustment, Rear 153

S

Swing Arm Inspection 155

Switches

Console Mounted 55
 Driving Lamp 57
 Engine Stop 68
 Handgrip Heater 56
 Hazard 56
 High/Low Beam 63
 Ignition 48
 Left Handlebar 62
 Mode 62
 Seat Heater 61
 Starter 69
 Turn Signal 65
 Windshield Adjustment 64

Symbols and Terms 7

T

Tachometer 49
 Tail Light Bulb Replacement 197
 Temperature Display 53
 Throttle Cable Inspection 162

T	
Throttle Control Grip	70
Throttle Inspection	161
Tire Information Label	34, 38
Tire Inspection	175
Tire Pressure Table	176
Tire Tread Depth	175
Tool Kit	84
Torque, Oil Drain Plug	141
Torque, Fastener	201
Trademarks	3
Transporting the Motorcycle	22
Tread Depth, Tire	175
Trip Odometer	53
Troubleshooting	
Battery Charging	206
Brakes	205
Engine Misfire	204
General	202
No Start Condition	202
Shifting / Clutch	205
Starter Motor	203
Trunk	82
Trunk Installation	192

T	
Trunk Removal	191
Turn Signal Bulb Replacement (Front)	196
Turn Signal Bulb Replacement (Rear)	197
Turn Signal Indicator	59
Turn Signal Switch	65
U	
U.S. to Metric	54
Unit Display, Changing	54
Upshifting	116
V	
VECI Label	32
Vehicle Emission Control	38
Vehicle Identification Number	37
Vehicle Operation	107
VICTORY Cleaning Products	207
View, Front	43
View, Left Side	41
View, Rear	44
View, Rider's	46
View, Right Side	42
View, Top	45
VIN Decal	31

V

VIN Number37
 Vinyl Care216
 Violations, Emissions Tampering225
 Voice Activation (VOX), CB Radio287
 Volt Meter50
 Volume Setting, CB Radio283
 Volume Setting, ICOM289

W

Warranty
 Coverage and Exclusions236
 Emissions231-232
 Emissions Control228
 Emissions, Coverage228
 Legal Rights234
 Noise Emissions227
 Obtaining Service237
 Owner's Responsibilities229
 Policy235
 Rights & Obligations228
 Warranty Limitations232

W

Washing
 Before Washing208
 Quick Clean-Ups211
 Spray-Rinse-and-Ride Wash210
 Standard "Bucket Wash"209
 Washing the VICTORY Motorcycle208-210
 Weight, GVWR27
 Wheel Alignment, Rear152
 Windshield Adjustment (Manual)76
 Windshield Adjustment (Electric)64
 Windshield Trim Panel184

X

XM Radio
 Getting Started299
 Overview299
 Service Activation302
 XM Reception301