

**OWNER'S MANUAL SUPPLEMENT
1999 XPLOER 300, XPRESS 300**



IMPORTANT: This is a supplement to your owner's manual. This information should remain with your owner's manual at all times.

Specifications



		Xpress 300	Xplorer 300
C A P A C I T I E S	Body Style	Gen IV	Gen IV
	Gross Vehicle Weight	1015 Lbs.	1100 Lbs
	Fuel Capacity	4 U.S. Gallons	4 U.S. Gallons
	Gearcase Oil	20 Ozs.	20 Ozs.
	Injector Oil Capacity	2 U.S. Quarts	2 U.S. Quarts
	Front Rack (Maximum - Capacity)	90 Lbs.	90 Lbs.
	Rear Rack	180 Lbs.	180 Lbs.
	Tongue Weight	30 Lbs.	30 Lbs.
	Tow Hitch	Standard	Standard
	Tow Capacity	850 Lbs.	850 Lbs.
	Turn Radius	60"	57"
	Ground Clearance	6.5"	6"
	Height	45.5"	45.5"
	Length	79.5"	81"
	Seat Height	33"	34"
	Weight	512 Lbs.	567 Lbs.
Wheel Base	49.75"	49.75"	
Width	46"	46"	
D R I V E S Y S T E M	Drive System Type	PVT	PVT
	Shift Type	Side Lever (Hi/Lo-R-N)	Side Lever (Hi/Lo-R-N)
	Gear Reduction - Low	6.64/1	6.64/1
	Gear Reduction - Reverse	5.13/1	5.13/1
	Gear Reduction - Forward	3.29/1	3.29/1
	Front Drive (ratio)	Not Applicable	12/22 64P
	Final Drive (ratio)	13/38 - 86 Pitch	13/40 88P
	Center Drive (ratio)	Not Applicable	11/22 70P
Drive Chain	520 O-Ring	520 O-Ring	
T I R E S	Front Tire	23 x 7-10	23 x 7-10
	Rear Tire	24 x 11-10	24 x 11-10
	Tire Pressure (front)	4 PSI	4 PSI
	Tire Pressure (rear)	3 PSI	3 PSI

		Xpress 300	Xplorer 300
S U S P	Front Susp. - Mac Strut	6.25" Travel	6.25" Travel
	Rear Susp. - Mono	8.5" Travel	8.5" Travel
	Shock Adjustment	CAM	CAM
B R A K E S	Front Brake	Hyd. Disc, Floating Caliper	Hyd. Disc, Floating Caliper
	Rear Brake	Hyd. Disc., Floating Caliper	Hyd. Disc., Floating Caliper
	Auxiliary Brake	Mechanical, Floating Disc	Mechanical, Floating Disc
	Park Brake	Hydraulic Lock, All Wheel	Hydraulic Lock, All Wheel
E N G I N E & C O O L I N G	Engine Model Number	EC28PFE-02	EC28PFE-02
	Engine Type	2 Cycle, Single Cyl	2 Cycle, Single Cyl
	Lubrication	Oil Injection	Oil Injection
	Bore x Stroke	74.5 x 65	74.5 x 65
	Displacement	283	283
	Compression Ratio	6.1/1 Effective	6.1/1 Effective
	Engine Cooling	Air with Fan Assist	Air with Fan Assist
	Alternator Output (watts)	150	150
	Carburetion	1VM30SS	1VM30SS
	Main Jet	155	155
	Pilot Jet	40	40
	Needle Jet	0-4 (169)	0-4 (169)
	Cut Away	2.0	2.0
	Air Screw	1.5 Turn	1.5 Turn
	Valve Seat	2.5 (Rubber Tip)	2.5 (Rubber Tip)
	Jet Needle	5DP7-3	5DP7-3
	Ignition	CDI	CDI
	Timing	25° @ 3000 ± 2	25° @ 3000 ± 2
	Spark Plug Gap	.7 mm/.028 in.	.7 mm/.028 in.
	Spark Plug Type	NGKBR8ES	NGKBR8ES
Exhaust	USFS Appr.	USFS Appr.	
L I G H T S	Headlight (watts)	12V 30W/30W	12V 30W/30W
	Taillight (watts)	12V 8.26 W	12V 8.26 W
	Brake Light (watts)	12V 26.9W	12V 26.9W

		Xpress 300	Xplorer 300
F E A T U R E S	3-Point Hitch	Not Available	Accessory
	Battery	12V	12V
	DC Plug In - Rear	Accessory	Accessory
	DC Socket - Forward	Accessory	Accessory
	Electric Start	Standard	Standard
	High Beam Indicator	Standard	Standard
	High Temp Indicator	Not Available	Not Available
	Windshield	Accessory	Accessory
	Low Oil Light	Standard	Standard
	Neutral Indicator	Standard	Standard
	Reverse Indicator	Standard	Standard
	Speedometer	Accessory	Accessory
	Tool Kit	Standard	Standard

**XPRESS 300 and XPLOER 300
(Engine - EC-28PFE-02)
Carburetor Jetting**

Altitude	Ambient Temperature	Below 0°F (Below -18°C)	0° to 40°F (-18°C to +5°C)	+40° to +80°F (+5°C to +26°C)	+80°F & Above (+26°C & Above)
Meters (Feet)	0-900 (0-3000)	180	170	155	145
	900-1800 (3000-6000)	165	150	140	130
	1800-2700 (6000-9000)	150	140	130	120
	2700-3700 (9000-12000)	135	125	115	110

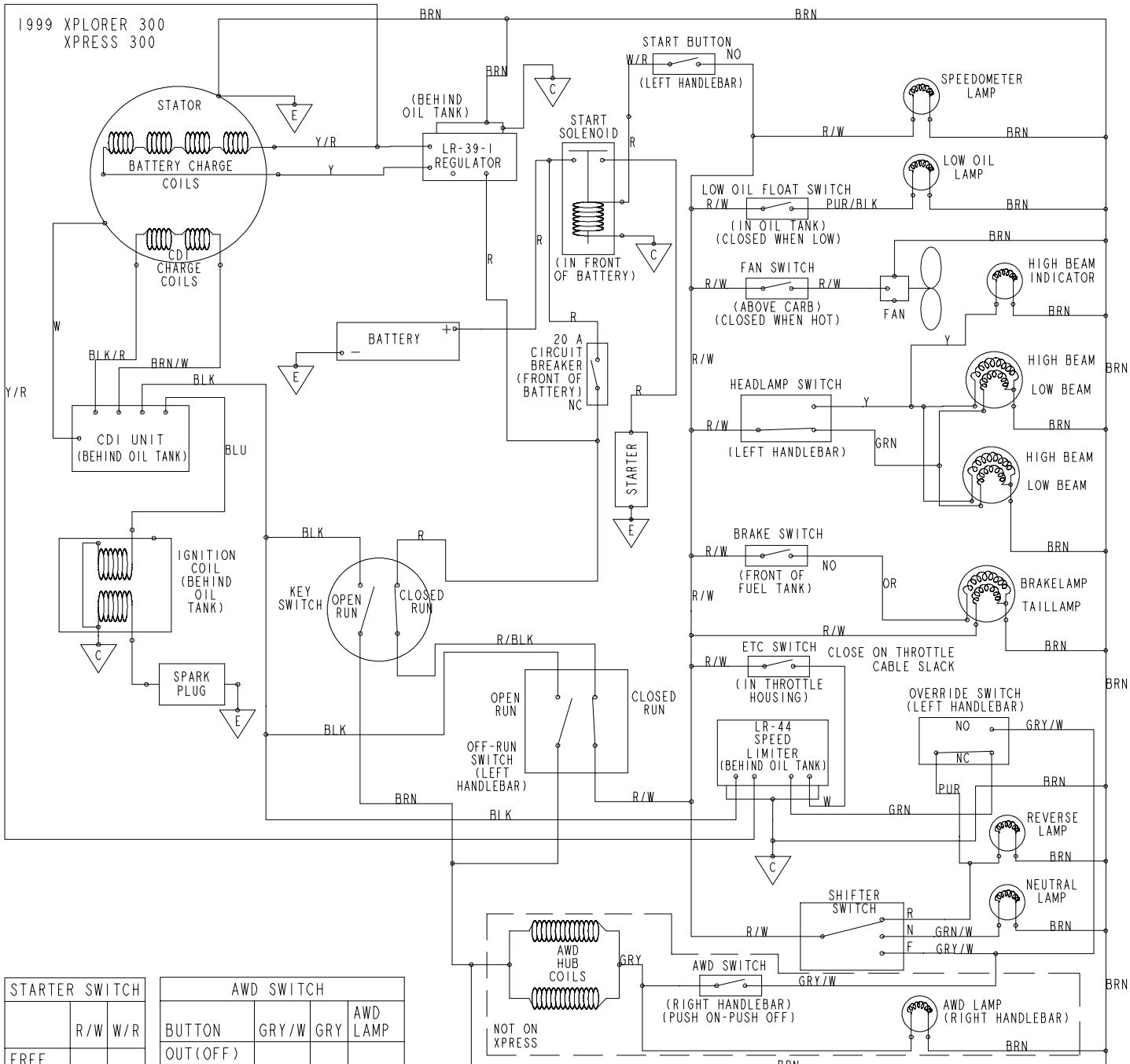
-  - Shaded Zone should drop Jet Needle one position (raise E-Clip)
-  - Turn Air Screw in 1/2 to 3/4 Turn

Clutching

Altitude		Shift Weight	Clutch Spring	Driven Helix
Meters (Feet)	0-900 (0-3000)	G 48GR	Blue/Green	2-2
	900-1800 (3000-6000)	G 48GR	Blue/Green	2-2 or 2-1
	1800-2700 (6000-9000)	F 45GR	Blue/Green	2-2
	2700-3700 (9000-12000)	F 45GR	Blue/Green	2-1

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Printed in U.S.A.



STARTER SWITCH	
	R/W W/R
FREE	
PUSHED	○══○

AWD SWITCH			
BUTTON	GRY/W	GRY	AWD LAMP
OUT(OFF)			
IN (ON)	○══○		
IN (ON)	○═══○		

HEADLAMP SWITCH			
	R/W	GRN	Y
OFF			
LO	○══○		
HI	○═══○		

TRANSMISSION SWITCH				
	R/W	GRY/W	GRN/W	PUR
FWD	○══○			
N	○═══○			
REV	○═══○			

AUX SHUT OFF SWITCH				
	BLK	BRN	R/W	R/BLK
OFF	○══○			
RUN			○══○	

OVERRIDE SWITCH			
	PUR	GRY/W	GRN
FREE	○═══○		
PUSHED	○══○		

KEY SWITCH				
	BLK	BRN	R/BLK	R
OFF	○══○			
ON			○══○	

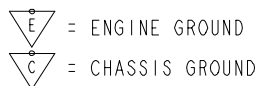
ETC SWITCH		
	R/W	W
NORMAL		
FAULT	○══○	

RESISTANCES (±20% @ 68°F/20°C)		
STATOR	BLK/R TO BRN/W	120 OHMS
	Y/R TO Y	0.3 OHMS
	BLK/R TO GROUND	NO CONNECTION
	Y TO GROUND	NO CONNECTION
	W TO GROUND	0 OHMS
COIL	PRIMARY	0.3 OHMS
	SECONDARY	6300 OHMS PLUS 5000 OHMS (CAP)
FRONT WHEEL DRIVE COILS	GRY TO BRN	24 OHMS (EACH)

COLOR CODE

- BLK = BLACK
- BRN = BROWN
- GRN = GREEN
- PUR = PURPLE
- BLU = BLUE
- GRY = GRAY
- OR = ORANGE
- Y = YELLOW
- R = RED
- W = WHITE

TWO COLOR WIRES ARE SHOWN WITH MAIN/TRACE COLORS. EXAMPLE: R/Y = RED WITH YELLOW TRACER.



NC = SWITCH NORMALLY CLOSED
NO = SWITCH NORMALLY OPEN