

# CHAPTER 1

## MODELS AND SPECIFICATIONS

Model Identification (1985) .....	1.1
1985 Models .....	1.2-1.3
Model Identification (1986) .....	1.4
1986 Models .....	1.5-1.6
Model Identification (1987) .....	1.7
1987 Models .....	1.8-1.9
Model Identification (1988) .....	1.10
1988 Models .....	1.11-1.12
Model Identification (1989) .....	1.13
1989 Models .....	1.14-1.16
Model Identification (1990) .....	1.17
1990 Models .....	1.18-1.20
Model Identification (1991) .....	1.21
1991 Models .....	1.22-1.24
Model Identification (1992) .....	1.25
1992 Models .....	1.26-1.29
Model Identification (1993) .....	1.30
1993 Models .....	1.31-1.35
Model Identification (1994) .....	1.36
1994 Models .....	1.37-1.42
Model Identification (1995) .....	1.43
1995 Models .....	1.44-1.49

## MODELS AND SPECIFICATIONS 1985 Model Identification



	<b>Indy Trail</b>	<b>SS</b>	<b>Star</b>
	0850743	0851349	0850927
Engine Type	Fan Cooled Twin	Fan Cooled Twin	Fan Cooled Single
Displacement (cc)	432	432	244
Bore x Stroke (mm)	67.62 x 60	67.72 x 60	72 x 60
Carburetion/Throttle Body	1 Mikuni VM34SS Slide	1 Mikuni VM34SS Slide	1 Mikuni VM30SS Slide
Oil Injected	Standard	Standard	Standard
Ignition	CDI	CDI	CDI
Alternator Output	12V 120W	12V 120W	12V 100W
Length (in./cm.)	106.25/269.7	102/258.9	102/258.9
Width (in./cm.)	41.62/105.6	40/101.5	40/101.5
Height (in./cm.)	31.5/83.7	33/83.7	33/83.7
Ski Stance (in./cm.)	36.5/92.7	31/78.7	31/78.7
Track Width (in./cm.)	15/38.1	15/38.1	15/38.1
Track Length Overall (in./cm.)	121/307.1	120/304.6	108/274.1
Fuel Capacity (U.S. gal./Imp. gal./liters)	7/5.8/26.5	6.8/5.7/25.7	5.4/4.5/20
Recommended Fuel	88 Octane Min.	88 Octane Min.	88 Octane Min.
Front Suspension	Coil Spring IFS	Mono Leaf	Mono Leaf
Brake Type	Hydraulic Disc	Mechanical Disc	Mechanical Disc
Storage	Rear of Seat	Rear of Seat	Rear of Seat
Speedometer	Standard	Standard	Option
Tachometer	Standard	Standard	Option
Trip Odometer	Standard	Standard	Option
Accessory Lights	N/A	N/A	N/A
Electric Start	Option	Option	N/A
Handwarmers	Standard	Option	N/A
Two-Up Seat	N/A	N/A	N/A
Backrest	N/A	N/A	N/A
Storage Rack	Option	N/A	N/A
Tow Hitch	Option	Option	Option

# MODELS AND SPECIFICATIONS

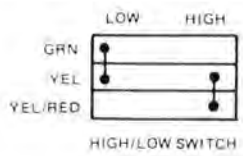
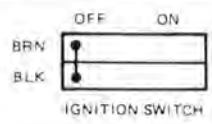
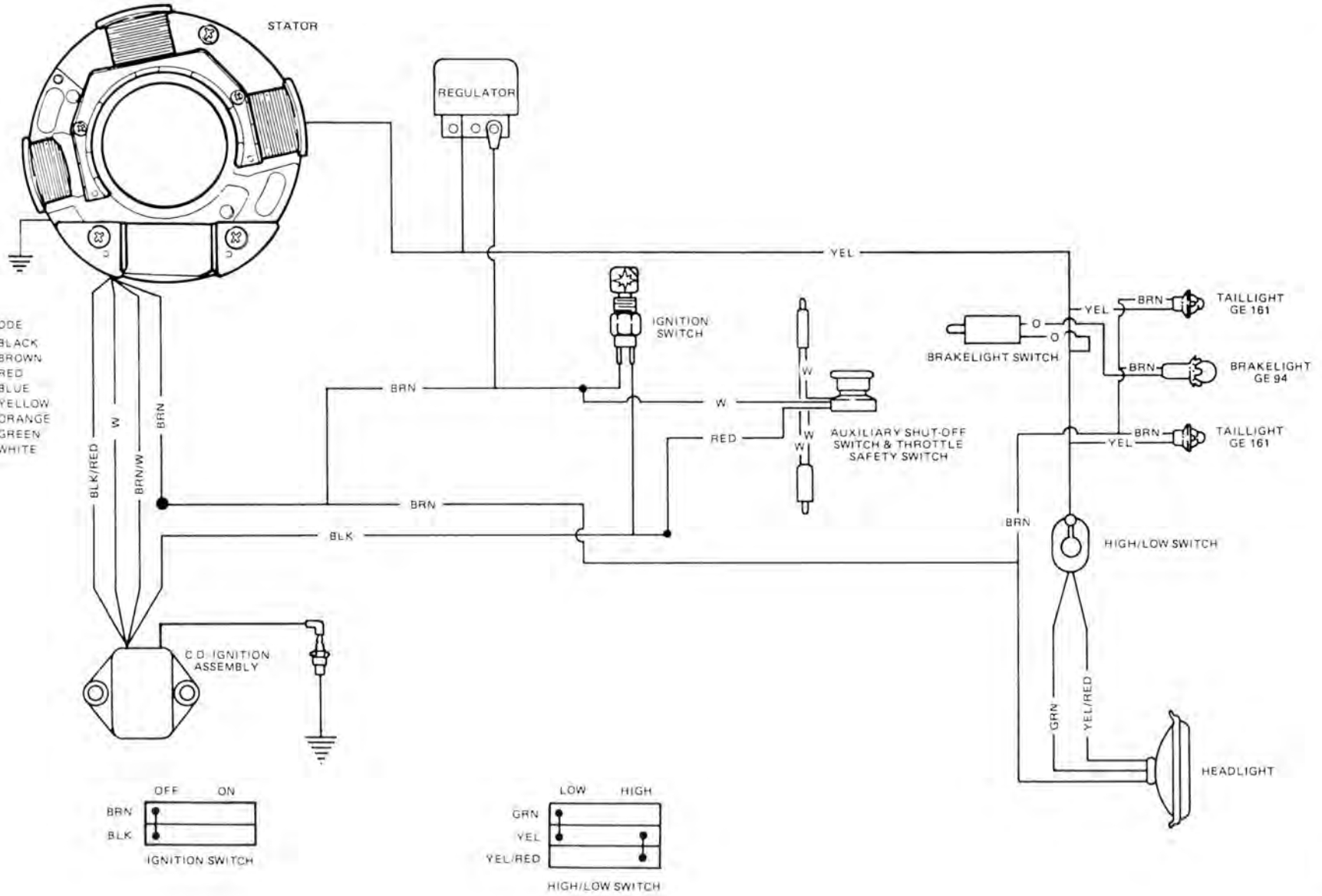
## 1995 Model Identification



	<b>Super Sport</b>	<b>Sport Sport Touring</b>	<b>Indy Lite Deluxe</b>	<b>Indy Lite GT</b>
	0950743	0950443 0950243	0953431	0953133
Engine Type Engine Model Number	Fan Twin EC44-3PM02	Fan Twin EC44-3PM01	Fan Twin EC34-2PME02	Fan Twin EC34-2PM02
Displacement (cc)	432	432	339	339
Bore x Stroke (mm)	67.72 x 60	67.72 x 60	62.3 x 55.6	62.3 x 55.6
Carburetion/Throttle Body	2 Mikuni VM34SS Slide	2 Mikuni VM34SS Slide	2 Mikuni VM30SS Slide	2 Mikuni VM30SS Slide
Oil Injected	Standard	Standard	Standard	Standard
Ignition	CDI	CDI	CDI	CDI
Alternator Output	12V 200W	12V 200W	12V 150W	12V 150W
Length (in./cm.)	106.25/269.9	106.25/269.9 113/287 Touring	105/266.7	115/292.1
Width (in./cm.)	45.5/115.6	43.5/110.5	42.5/108	42.5/108
Height (in./cm.)	38.5/97.8	44/111.8 45/114.3 Touring	44/111.8	48/121.9
Ski Stance (in./cm.)	41/104.14	38/96.5	37/94	37/94
Track Width (in./cm.)	15/38.1	15/38.1	15/38.1	15/38.1
Track Length Overall (in./cm.)	121/307.3	121/307.3 133.5/339.1 Touring	121/307.3	133.5/339.1
Fuel Capacity (U.S. gas./Imp. gal./liters)	10.7/8.9/40.5	10.7/8.9/40.5	8/6.7/30.3	8/6.7/30.3
Recommended Fuel	87 Octane Min.	87 Octane Min.	87 Octane Min.	87 Octane Min.
Front Suspension	Parallel Link Trailing Arm IFS	Parallel Link Trailing Arm IFS	Parallel Link Trailing Arm IFS	Parallel Link Trailing Arm IFS
Brake Type	Hydraulic Disc	Hydraulic Disc	Mechanical Disc	Mechanical Disc
Storage	Rear of Seat Toolbox Footrest	Rear of Seat Toolbox Footrest	Rear of Seat Top of Hood	Rear of Seat Top of Hood
Speedometer	Standard	Standard	Standard	Standard
Tachometer	Standard	Option	N/A	N/A
Electric Fuel Gauge	Option	Option	N/A	N/A
Accessory Lights	Oil/Brake Acc High Beam	Oil/Brake Acc High Beam	Oil/Acc	Oil/Acc
Electric Start	Option	Option	Standard	Option
Handwarmers/Thumbwarmer	Single Heat/Std	Single Heat/Std Single Heat/Acc Touring	Single Heat/Std	Single Heat/Std
Two-Up Seat	Option	Option Standard Touring	N/A	Standard
Backrest	Option	Option Standard Touring	N/A	Standard
Storage Rack	Option	Option	Option	Standard
Tow Hitch	Option	Option	Option	Standard

**BODY ELECTRICAL**  
**1990 Wiring Diagram - Star, Star Trak**

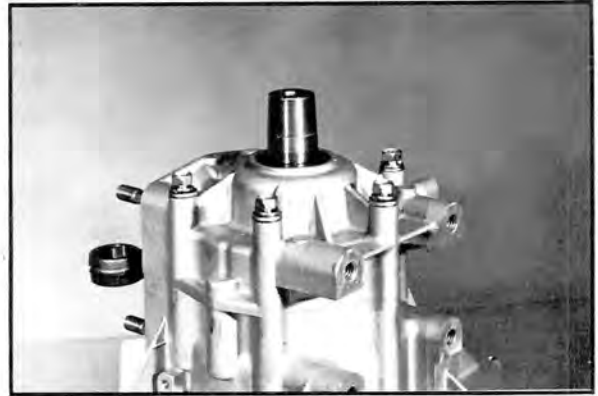
- COLOR CODE**  
 BLK = BLACK  
 BRN = BROWN  
 RED = RED  
 BLU = BLUE  
 YEL = YELLOW  
 O = ORANGE  
 GRN = GREEN  
 W = WHITE



## ENGINES

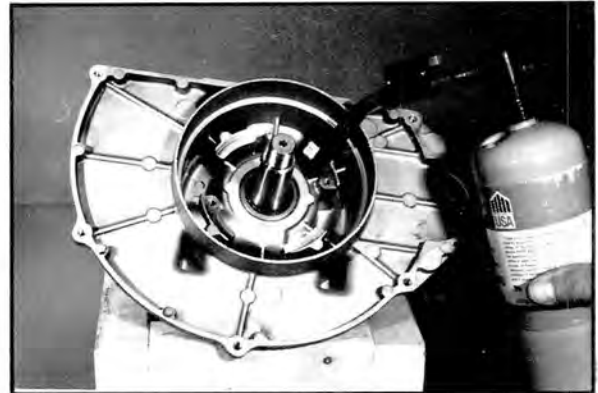
### Disassembly and Reassembly Procedures - PS - Single Cylinder Series

13. Remove crankcase bolts.



14. With a propane torch, apply heat to the mag end of the crankcase. Heat enough to see small tailings of smoke.

15. Wearing gloves, hold mag end of case and strike end of crankshaft with a plastic hammer. **CAUTION:** The case will be hot! Protect hands to avoid serious burns.



16. Heat PTO end of crankcase until smoke tailings appear again, then strike the PTO end of the shaft. **CAUTION:** The case will be hot! Protect hands to avoid serious burns.



17. Before reassembly, check crank end play. Proper endplay is .008 - .016". **NOTE:** The bearing on the PTO end may move when disassembled. Make sure bearings are properly positioned on shaft. Also, check crankshaft runout and adjust if necessary.

