

SUPPLEMENT FOR MODEL FORMULA SP

This correction booklet must be used in correlation with the This correction booklet must be used in correlation with the 1985 Formula SS operator's manual (P/N 414 5619 00).

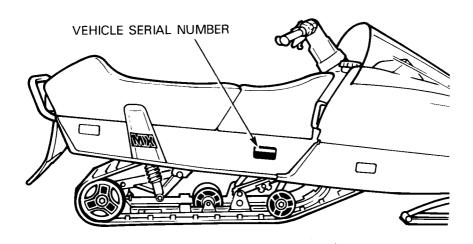




NOTE: All informations and instructions regarding the Formula SS model contained in the 1985 Formula SS operator's manual also apply to the Formula SP model except those appearing in this booklet.

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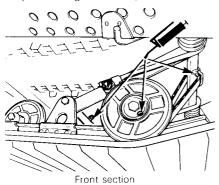
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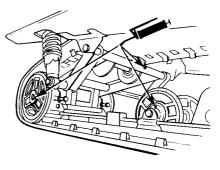
LUBRICATION____

Slide suspension

Lubricate idler wheels at grease fittings until grease appears at joints. Use low temperature grease only.



Also lubricate front & rear arms at grease fittings.



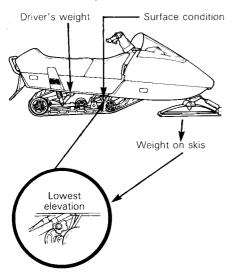
Rear section

MAINTENANCE

Suspension Adjustment

The suspension is adjustable. The front adjustment for surface condition, the rear for driver's weight. Use the special keys located in tool box.

Adjuster blocks



When the front adjuster blocks are at the lowest elevation more weight is distributed on the skis. At the highest position the weight is transferred from the skis to the track.

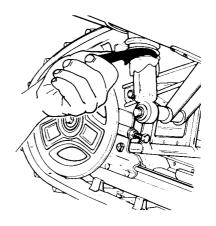
NOTE: For deep snow condition or hill climbing, it is recommended to place the front adjuster blocks on the highest position.

CAUTION: Always turn the left side adjuster blocks in a clockwise direction, the right side blocks in a counter-clockwise direction. Left and right adjuster blocks of each adjustment must always be set at the same elevation.

The rear spring preload can be adjusted as follows:

lowest position: 68 kg (150 lbs) or less middle position: 68 kg-82 kg (150-180 lbs)

highest position: 82 kg (180 lbs) and higher.

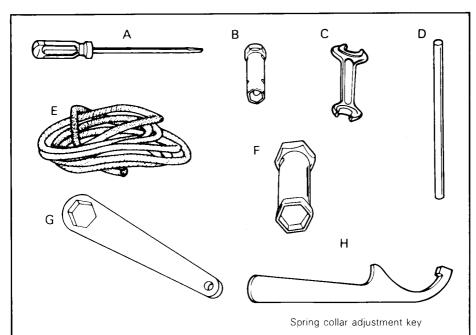


To adjust, use the adjustment key supplied and turn the spring collar accordingly.

TOOLS_

As standard equipment each new snowmobile is supplied with basic tools such as screwdriver, wrenches, emergency starter rope, etc...

Standard Tools



- A. Screwdriver
- B. Socket 10/13 mm
- C. Open end wrench 10/13 mm
- D. Socket wrench handle
- E. Starter rope

- F. Socket 21/26 mm
- G. Hexagonal wrench
- H. Spring collar adjustment key

SPECIFICATIONS.

ENGINE

462 Type No. of cylinders

Bore 69.5 mm (2,736") Stroke 61 mm (2.402") Displacement 462.8 cm³ (28.24 in³) 6.7:1

Compression ratio (effective) Maximum R.P.M. 7200

Mikuni VM 34-334 Carburetor type

Carburetor adjustment:

- air screw 1 1/2 turn

 idle speed 1800-2000 R.P.M. Rotary valve oil - SI 568 ml

 Imp. 20 ounces reservoir Cooling system - SI 4.6 L Imp. capacity 162 oz — U.\$. 156 oz

Antifreeze/water mixture 60/40

(% by volume) Thermostat

43°C (110°F) 90 kPa (13 lb/in2) Radiator pressure cap Torque:

M8:23 N•m (17 lbf•ft) engine head nuts crankcase nuts M8: 21 N·m (15 lbf•ft) M6: 9 N•m (7 lbf•ft)

magneto ring nut M22: 95 N·m (70 lbf•ft) crankcase/engine support nuts M10: 38 N·m (28 lbf·ft) - exhaust manifold bolts M8: 24 N•m (18 lbf•ft)

CHASSIS

Overall length 266.7 cm (105") Overall width 96.5 cm (38") Overall height 99 cm (39") 81.9 cm (32.25") Ski stance (center to center)

Ski alignment (toe out) 3 mm (1/8")

Torque:

 steering arm/ski leg bolt 50 N·m (37 lbf·ft) steering column/handlebar 26 N·m (19 lbf•ft) Weight 192.8 kg (425 lb) 7065 cm2 (1095 in2) Bearing area

Ground pressure 2.73 kPa (.388 lb/in²)

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- width 41.9 cm (16 1/2") - length 289.5 cm (114")

- tension 13 mm (1/2") gap between slide and bottom inside of

track.

21/37

 alignment Equal distance between edges of track guides and

slider shoes.

12 V. 160 W

5/21 W

5W

5W

60/55 W (halogen)

Standard gear ratio

Drive belt

414 5233 00 - number - Max. width 34.9 mm (1 3/8") - Min. width 31.7 mm (1 1/4") 200 mL (7 oz) Chaincase oil

ELECTRICAL

Lighting system (output)

Bulb:

headlamp

tail/stop speedometer - tachometer

Fuse:

tachometer

Spark Plug:

- type - gap

Ignition timing:

- timing mark (B.T.D.C.) - stroboscopic timing

0.1 A

NGK BR8ES 0.4 mm (0.016")

6000 R.P.M.

1.76 mm (.069") (17.5°)

FUEL

Gas type

Regular leaded or unleaded 28.6 liters Fuel tank capacity - SI

Imp.

6.3 gals U.S. 7.6 gals

Injection oil

tank capacity

Lining minimum thickness

- type

Bombardier snowmobile injection oil

- SI 2.6 liters Imp. 92 oz - U.S. 88 oz

BRAKE

Type

Disc, self adjusting

3 mm (1/8")

Control lever adjustment 13 mm (1/2") minimum distance from handle bar grip

when fully applied.

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