

SUPPLEMENT FOR MODEL FORMULA SP

This correction booklet must be used in correlation with the 1985 Formula SC operator's manual ID/N 414 5619 Only 1985 Formula SC operator's manual ID/N 414 5619 Inis correction booklet must be used in correlation with the used in correction booklet must be used in correlation with the lines correction booklet must be used in correlation with the lines correction booklet must be used in correlation with the lines correction booklet must be used in correlation with the lines correction booklet must be used in correlation with the lines correction booklet must be used in correlation with the lines correction booklet must be used in correlation with the lines correction booklet must be used in correlation with the lines correction booklet must be used in correlation with the lines correction booklet must be used in correlation with the lines correction booklet must be used in correction because the correction booklet must be used in correction because the correction because the correction because the correction because the correction becaus

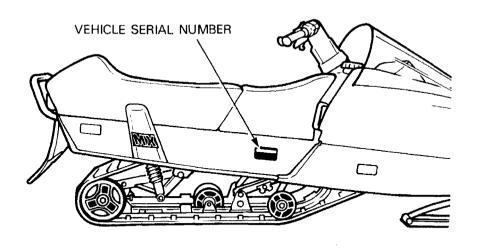




NOTE: All informations and instructions regarding the Formula SS model contained in the 1985 Formula SS operator's manual also apply to the Formula SP model except those appearing in this booklet.

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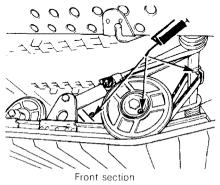
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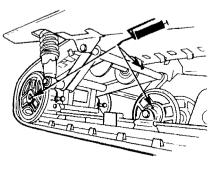
LUBRICATION

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.



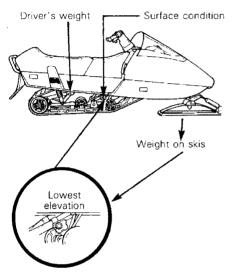
Rear section

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.

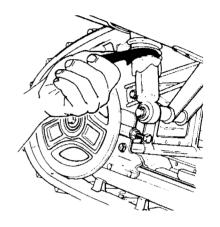
NOTE: For deep snow condition or hill climbing, it is recommended to place the front adjuster blocks on the highest position.

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.

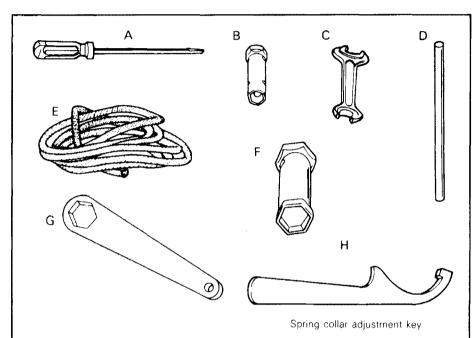


To adjust, use the adjustment key supplied and turn the spring collar accordingly.

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

Type 462 No. of cylinders 2

 Bore
 69.5 mm (2.736")

 Stroke
 61 mm (2.402")

 Displacement
 462.8 cm³ (28.24 in³)

Compression ratio (effective) 6.7:1
Maximum R.P.M. 7200

Carburetor type Mikuni VM 34-334

Carburetor adjustment:

- air screw 1 1/2 turn

- idle speed 1800-2000 R.P.M.
Rotary valve oil - SI 568 ml
reservoir - Imp. 20 ounces

 Cooling system
 — SI
 4.6 L

 capacity
 — Imp.
 162 oz

 — U.S.
 156 oz

Antifreeze/water mixture 60/40

(% by volume)
Thermostat
43°C (110°F)

Radiator pressure cap 90 kPa (13 lb/in²)
Torque:

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

magneto ring nut

— crankcase/engine support nuts

— exhaust manifold bolts

M22: 95 N•m (70 lbf•ft)

M10: 38 N•m (28 lbf•ft)

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")

 Ski stance (center to center)
 81.9 cm (32.25")

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

Torque:

steering arm/ski leg bolt
 steering column/handlebar
 Weight
 Bearing area
 Ground pressure
 50 N•m (37 lbf•ft)
 26 N•m (19 lbf•ft)
 192.8 kg (425 lb)
 7065 cm² (1095 in²)
 2.73 kPa (.388 lb/in²)

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rack:	

widthlength41.9 cm (16 1/2")289.5 cm (114")

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

track.

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alignment
 Equal distance between edges of track guides and

slider shoes.

Standard gear ratio

Drive belt

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

ELECTRICAL

Lighting system (output)

Bulb:

12 V. 160 W

- headlamp

60/55 W (halogen) 5/21 W

tail/stopspeedometertachometer

5W 5W

Fuse:

tachometer

0.1 A

Spark Plug: - type

NGK BR8ES 0.4 mm (0.016")

-- gap lanition timing:

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

1.76 mm (.069") (17.5°)

- stroboscopic timing

6000 R.P.M.

FUEL

Gas type

Regular leaded or unleaded

Fuel tank capacity — SI — Imp.

U.S.

28.6 liters 6.3 gals 7.6 gals

Injection oil

- tank capacity

- type

Bombardier snowmobile injection oil

- SI 2.6 liters - Imp, 92 oz

- U.S. 88 oz

BRAKE

Туре

Disc, self adjusting

Lining minimum thickness 3 mm (1/8")

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

when fully applied.

Bombardier Inc. reserves the right to make changes in design and specifications and/or to make addition to, or improvements in its product without imposing any obligation upon itself to install them on its products previously manufactured.

NOTES			