



SNOWMOBILES

Warranty Bulletin

WARRANTY BULLETIN LIST

BULLETIN NO.	SUBJECT	APPLICABLE TO
81-6 (SAFETY)	Shock absorber washer	1981 Blizzard MX Grand Prix MX
81-7	Engine air duct rivets	1981 Citation 4500, 4500E Citation 4500 Europe Citation SS Mirage II Mirage Special
81-8 REVISION 1	Improved performance	1980 Blizzard 9500 Ultra Sonic 1981 Blizzard 9500 Ultra Sonic
81-9	Pulsation hose routing	1981 Elite
81-10	Charging light diode	1980 - 1981 Elite
81-11	Driven Pulley	1979 Blizzard 5500 Blizzard 5500 Europe Blizzard 9500 Blizzard 9500 Europe 1980 Blizzard 5500, 7500 Blizzard 9500 Grand Prix Special Super & Ultra Sonic Everest 500/E & Europe Everest LC & Europe Futura 500/E & LC
81-12	Footrest grille	1981 Everest 500/E & LC Futura 500/E & LC Blizzard 5500, 7500 Blizzard 9500 Grand Prix Special Super & Ultra Sonic Blizzard MX Grand Prix MX

BULLETIN NO.	SUBJECT	APPLICABLE TO
81-13	Fan cover improvement	1981 Alpine 640 ER Alpine (U.S. Army) Alpine (Canadian Army)
81-14	Gearbox breather cap washer	1981 Alpine (With 2 forward speeds)
81-15	Drive pulley governor cup	1981 Elite
81-16 REVISION 1	A) Snow guard spacer B) Front and rear shock spring collar replacement	1981 Blizzard MX Grand Prix MX
81-17	Windshield assembly	1981 Grand Prix Special Grand Prix MX Super & Ultra Sonic
81-18	Side pans reinforcement kit	1981 Everest 500, 500E, LC Blizzard 5500,7500,9500 Blizzard MX Everest 500 (Eur) Everest LC (Eur) Blizzard MX (Eur) Futura 500, 500E, LC Grand Prix Special Super & Ultra Sonic Grand Prix MX
81-19	Rewind starter improvement	1980 - 1981 Models Equipped With a Rewind Starter Plastic Pawl
81-20	"Key Type" transmission shaft modification kit	1981 3 Speeds Alpine
81-21	Blizzard MX & Grand Prix MX suggestions	1981 Blizzard MX Blizzard MX (Eur) Grand Prix MX
81-22	Alternator support bracket kit	1981 Elite



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Warranty Bulletin

1982

WARRANTY BULLETIN LIST

BULLETIN NO.	SUBJECT	APPLICABLE TO
82-1 (REVISION 1)	Carburetor adaptor (P/N 570 1264 00)	1980 Elan/Elan Europe Spirit 1981 Elan/Elan Europe Spirit 1982 Elan/Spirit
82-2	Countershaft/driven pulley retaining nuts torque	1982 Citation 3500/4500/4500E Citation SS Nordik Mirage I



SNOWMOBILES

Warranty Bulletin

**no. 82-1
REVISION 1**

Date: 1981 11 16

Serial nos: 3032 00001 to 05948 incl.
3033 00001 to 00250 incl.
3034 00001 to 06309 incl.
3035 00001 to 00400 incl.
3036 00001 to 04350 incl.
5006 00001 to 01797 incl.
5007 00001 to 01301 incl.
5008 00001 to 00900 incl.

MODELS: 1980 ELAN
ELAN (EUROPE)
SPIRIT
1981 ELAN
ELAN (EUROPE)
SPIRIT
1982 ELAN
SPIRIT

Subject: Carburetor adaptor (P/N 570 1264 00)

PROBLEM

The carburetor adaptor may fail under certain conditions and may split due to vibration. (Refer to Warranty Bulletin 81-2).

REMEDY

Install a new carburetor adaptor (P/N 570 1264 00) using a clamp (P/N 404 1250 00) and two (2) studs M8 x 19.5 (P/N 420 940 170).

PROCEDURE

- Remove air silencer.
- Remove the carburetor spring loaded bracket kit and reinstall the air duct screw, torque to 4 N•m (3 ft-lbs).
- Remove the carburetor.
- Remove the insulating flange and the two (2) screws and studs.
- Remove the gasket (N/P 404 0039 00).



- Clean the cylinder mating surface.
- Reinstall the gasket.

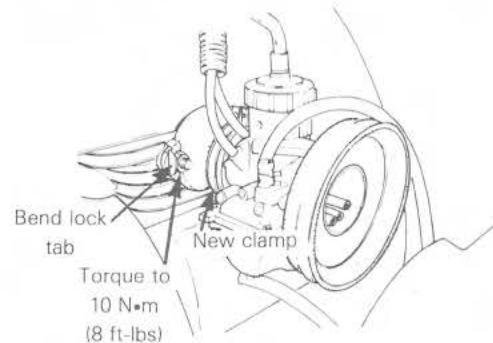
INSTALLATION

- Install the two (2) new studs (P/N 420 940 170) to the cylinder and torque to: 15 N•m (12 ft-lbs).

NOTE: Apply Loctite 242 (blue) to the stud threads.

- Apply a thin layer of silicone sealant (P/N 747 002 000) on the new carburetor adaptor mating surface (P/N 570 1264 00).

CAUTION: Ensure that there is no silicone inside the carburetor adaptor.



- To secure the new carburetor adaptor, torque the two (2) retaining nuts to: 10 N•m (8 ft-lbs) and bend the two (2) lock tabs over a flat surface of the nuts.

CAUTION: Do not bend lock tabs more than twice. In doubt replace by a new one (P/N 513 0254 00).

- Reinstall the carburetor using the new clamp (P/N 404 1250 00).
- Reinstall the air silencer.

NOTE: With this new set up, the kit P/N 590 1309 00 is no longer required. (Reference Warranty Bulletin 81-2).

WARRANTY

Complete a warranty claim using the following campaign numbers:

81016: 3032, 3033, 3034 and 3035 models

81017: 3036, 5006, 5007 and 5008 models

The time allowed to perform this modification is 0.3 hr.

The expiration date of those campaigns is March 31st., 1983.

The standard carburetor spring loaded brackets and/or kits (P/N 590 1309 00) that you might have in stock can be claimed as defective new parts but the parts **MUST** be returned to the area distributor **WITH** the claim in order that the claim be valid.

ADMINISTRATION

You will be credited one of the followings:

1. On single claim form: 0.2 hr.
2. On single claim form, multiple units: 0.1 hr per unit.



Warranty Bulletin

no. 82-1

Date: 1981 06 23

Serial nos: 3032 00001 to 05947 incl.
3033 00001 to 00250 incl.
3034 00001 to 06300 incl.
3035 00001 to 00400 incl.
3036 00001 to 02200 incl.
5006 00001 to 01797 incl.
5007 00001 to 01293 incl.

*Revised
11/16/81*

MODELS: 1980 ELAN
ELAN (EUROPE)
SPIRIT

1981 ELAN
ELAN (EUROPE)
SPIRIT

1982 ELAN

Subject: Carburetor adaptor (P/N 570 1264 00)

PROBLEM

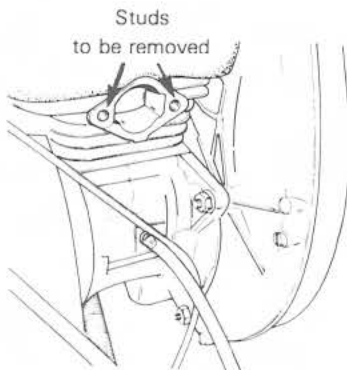
The carburetor adaptor may fail under certain conditions and may split due to vibration. (Refer to Warranty Bulletin 81-2).

REMEDY

Install a new carburetor adaptor (P/N 570 1264 00) using a clamp (P/N 404 1250 00) and two (2) studs M8 x 19.5 (P/N 420 940 170).

PROCEDURE

- Remove air silencer.
- Remove the carburetor spring loaded bracket kit and reinstall the air duct screw, torque to 4 N•m (3 ft-lbs).
- Remove the carburetor.
- Remove the insulating flange and the two (2) screws and studs.
- Remove the gasket (N/P 404 0039 00).



- Clean the cylinder mating surface.
- Reinstall the gasket.

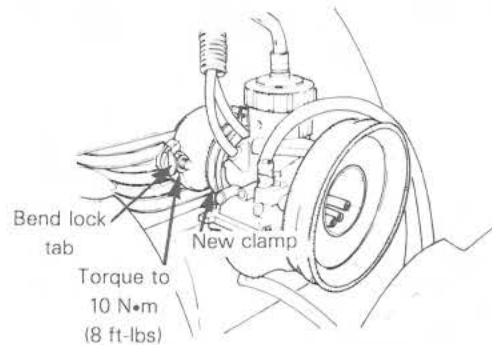
INSTALLATION

- Install the two (2) new studs (P/N 420 940 170) to the cylinder and torque to: 15 N•m (12 ft-lbs).

○ NOTE: Apply Loctite 242 (blue) to the stud threads.

- Apply a thin layer of silicone sealant (P/N 747 002 000) on the new carburetor adaptor mating surface (P/N 570 1264 00).

▼ CAUTION: Ensure that there is no silicone inside the carburetor adaptor.



- To secure the new carburetor adaptor, torque the two (2) retaining nuts to: 10 N•m (8 ft-lbs) and bend the two (2) lock tabs over a flat surface of the nuts.

▼ CAUTION: Do not bend lock tabs more than twice. In doubt replace by a new one (P/N 513 0254 00).

- Reinstall the carburetor using the new clamp (P/N 404 1250 00).
- Reinstall the air silencer.

○ NOTE: With this new set up, the kit P/N 590 1309 00 is no longer required. (Reference Warranty Bulletin 81-2).

WARRANTY

Complete a warranty claim using the following campaign numbers:

81016: 3032, 3033, 3034 and 3035 models

81017: 3036, 5006 and 5007 models

The time allowed to perform this modification is 0.3 hr.

The expiration date of those campaigns is March 31st., 1983.

The standard carburetor spring loaded brackets and/or kits (P/N 590 1309 00) that you might have in stock can be claimed as defective new parts but the parts **MUST** be returned to the area distributor **WITH** the claim in order that the claim be valid.

ADMINISTRATION

You will be credited one of the followings:

1. On single claim form: 0.2 hr.
2. On single claim form, multiple units: 0.1 hr per unit.



Warranty Bulletin

no. 82-2

Date: 1981 07 08

MODELS: 1982 CITATION 3500, 4500, 4500E
CITATION SS
NORDIK
MIRAGE I

Serial nos: 3168-00001 to 00492
3169-00001 to 02598
3170-00001 to 00400
3171-00001 to 00300
3177-00001 to 00995
5132-00001 to 00685

Subject: Countershaft/driven pulley retaining nuts torque

PROBLEM:

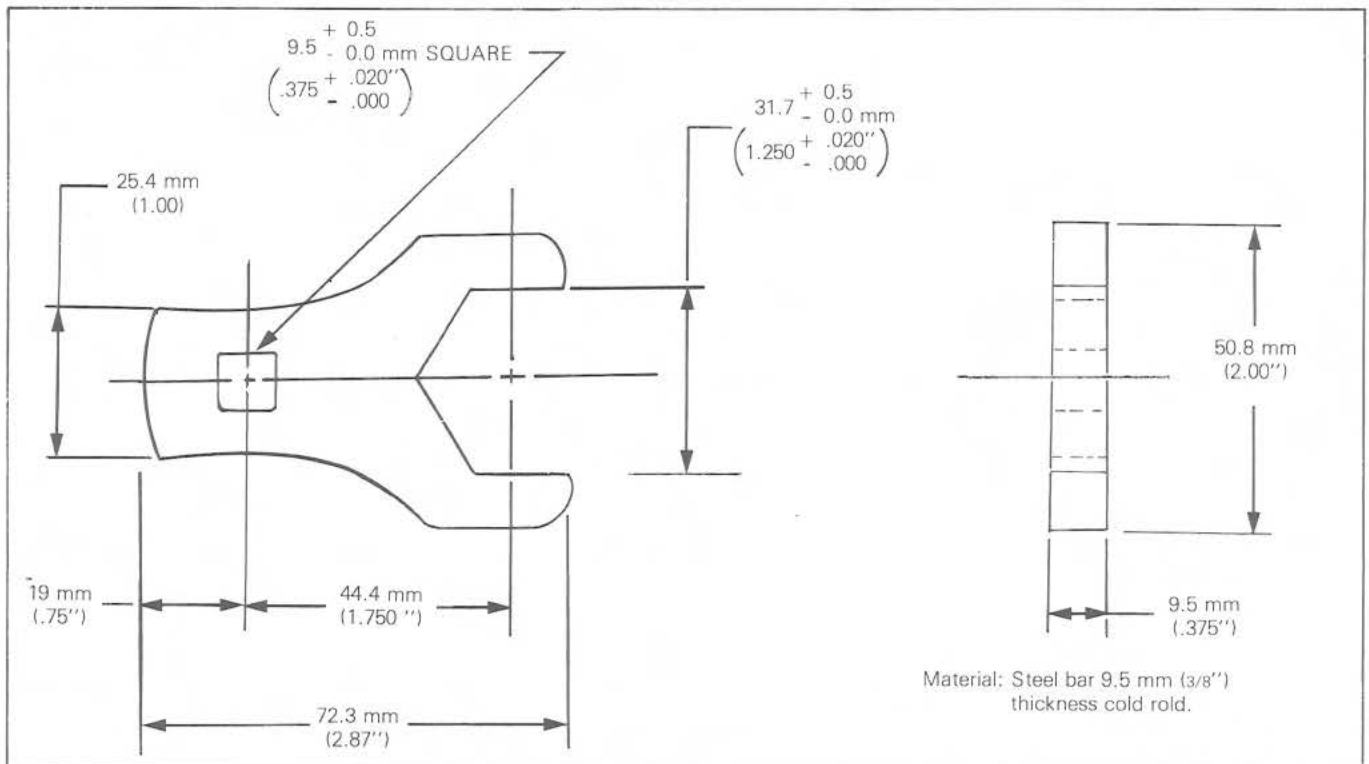
On the above mentioned vehicles, the countershaft/driven pulley retaining nuts were not properly torqued at assembly line. This will cause premature wear on drive belt.

REMEDY:

You **must** torque the retaining nuts to 60-70 N•m (45-52 ft-lbs). This operation should be done at pre-delivery.

PROCEDURE:

Make the following tool or use a Snap On extension key no. FC-40.



- Remove the air silencer.
- Unfold the retaining nuts lock tab.
- Loosen the nuts and verify pulleys alignment, adjust if necessary.
- Using the above mentioned tool, torque the retaining nuts to: 60-70 N•m (45-52 ft-lbs).

○ **NOTE:** For an accurate torque wrench reading you **MUST** use the following formulas:

$$\frac{\text{Torque wrench length (cm (in))}}{\text{Torque wrench length} + 4.44 \text{ cm (1.750 in)}} = \text{Correction factor}$$

$$\frac{\text{Torque wrench reading}}{\text{Correction Factor}} = \text{Real reading}$$

Ex:

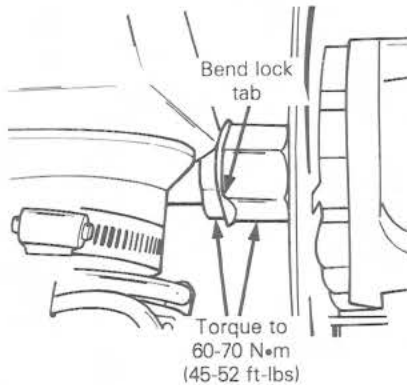
Torque wrench length: 25.4 cm (10 in)
Torque wrench reading: 60 N•m (45 ft-lbs)

Correction factor

$$\frac{25.4 \text{ cm (10 in)}}{25.4 \text{ cm (10 in)} + 4.44 \text{ cm (1.750 in)}} = 0.85$$

Real reading

$$\frac{60 \text{ N}\cdot\text{m (45 ft-lbs)}}{.85} = 70 \text{ N}\cdot\text{m (52 ft-lbs)}$$



– Bend lock tab over one flat surface of each nut.

▼ **CAUTION:** Do not bend lock tab more than twice.
If necessary, install a new one (P/N 504 0480 00).

– Reinstall the air silencer.

WARRANTY:

Complete warranty claim(s) using the following campaign numbers:

82-001: 5132, 3168, 3169 and 3170 models

82-002: 3171 and 3177 models

F.R.T. is 0.2 hr

The expiration date of these campaigns is March 31st., 1985.

To properly fill your warranty claim(s) refer to the 1982 Dealer Service Guide (P/N 484 0455 00), pages 49 & 50.