



Competition Bulletin

no. 77-1

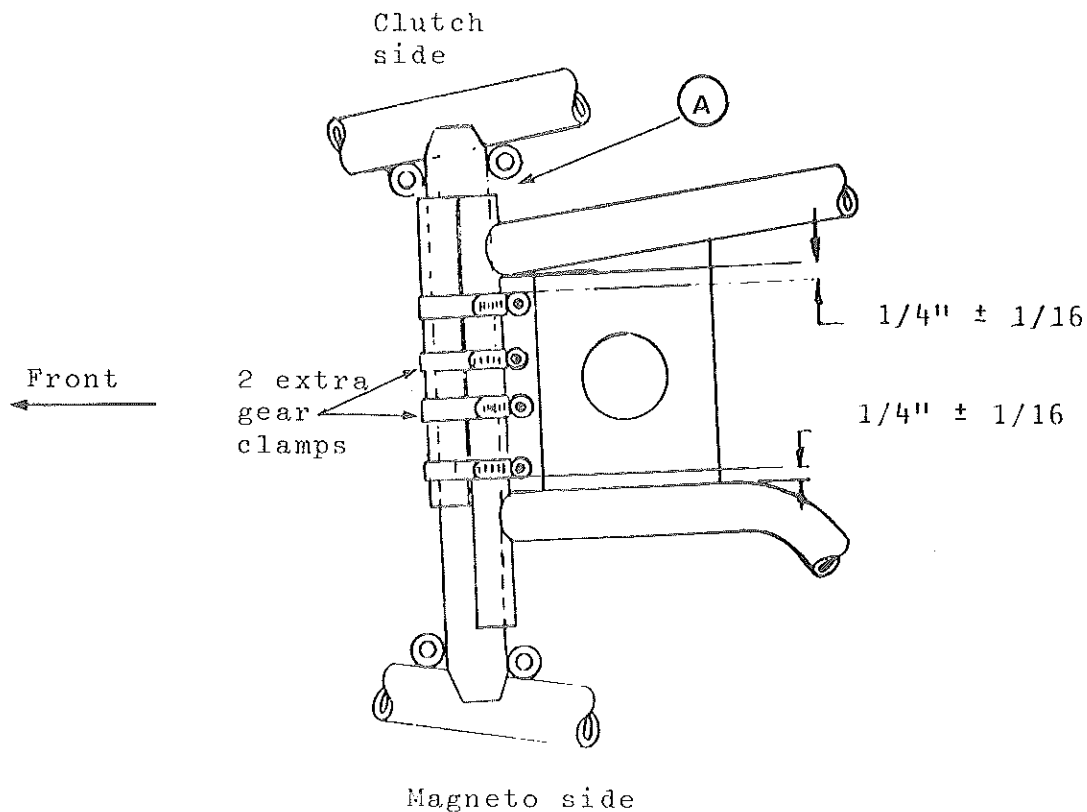
Date: February 14, 1977

Subject: Center stand mount

Serial nos: All

Models: Qualifier 125-175-250

Under severe and very rocky trail conditions, it is recommended to install two (2) extra gear clamps (P/N 740 002 006) to the center stand mount.

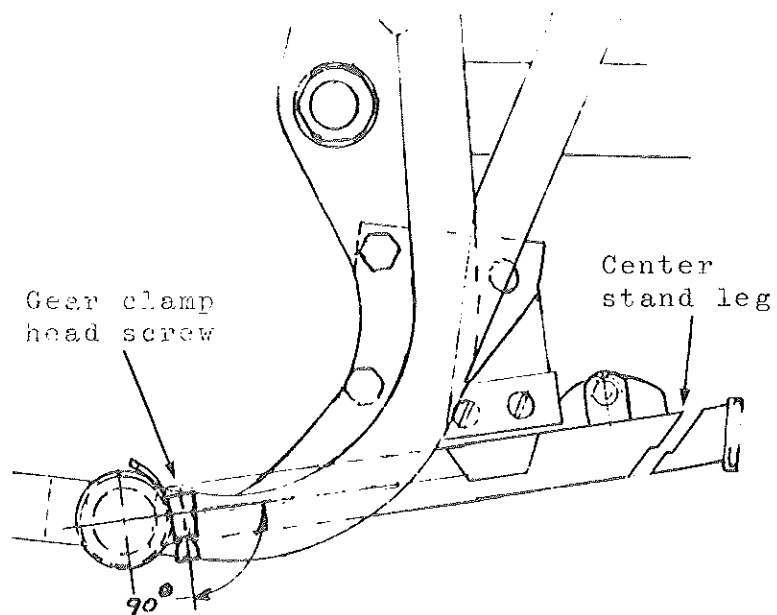


- (A): Make sure to mount the stand as close as possible to the clutch side foot peg.

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To prevent the gear clamp screw from being caught, always make sure to position the gear clamp head screw at a 90° angle with the center stand leg, when in a closed position.



TECHNICAL INFORMATION CENTRE



Competition Bulletin

no. 77-2

Date: February 25, 1977

Subject: A) Air filter
B) Dust boot

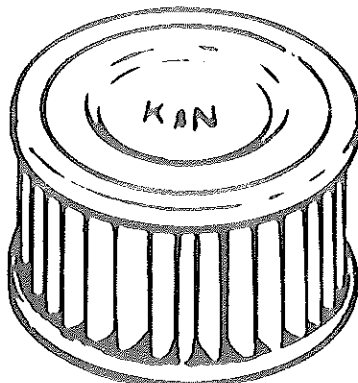
Serial nos: -

Models: All

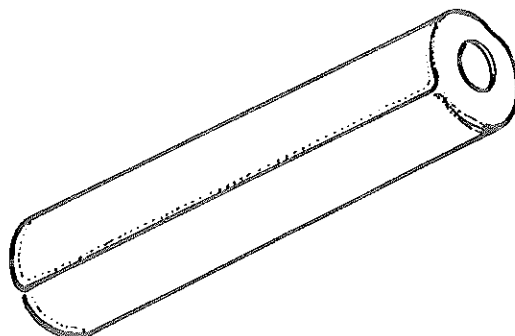
A) When a vehicle is operated under very dusty, sandy conditions, we have available a very effective screw-on air filter.

K & N air filter p/n 740 009 002

K & N air filter oil p/n 747 021 002
(236 ml (8 fl.oz.))



B) A shock absorber protection boot is now available. p/n 742 025 005. It slips over the shock spring and protects the shock absorber shaft from mud, dirt, etc.



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Competition Bulletin

no. 77-3

Date: April 12, 1977

Subject: High performance kit
p/n 749-007-002

Serial nos: 7865

Models: Qualifier 250

Bombardier Limited has made available a high performance exhaust system that will fit your Qualifier 250 with small modifications. This will increase your top end performance and raise the horsepower.

The kit is available under p/n 749-007-002.

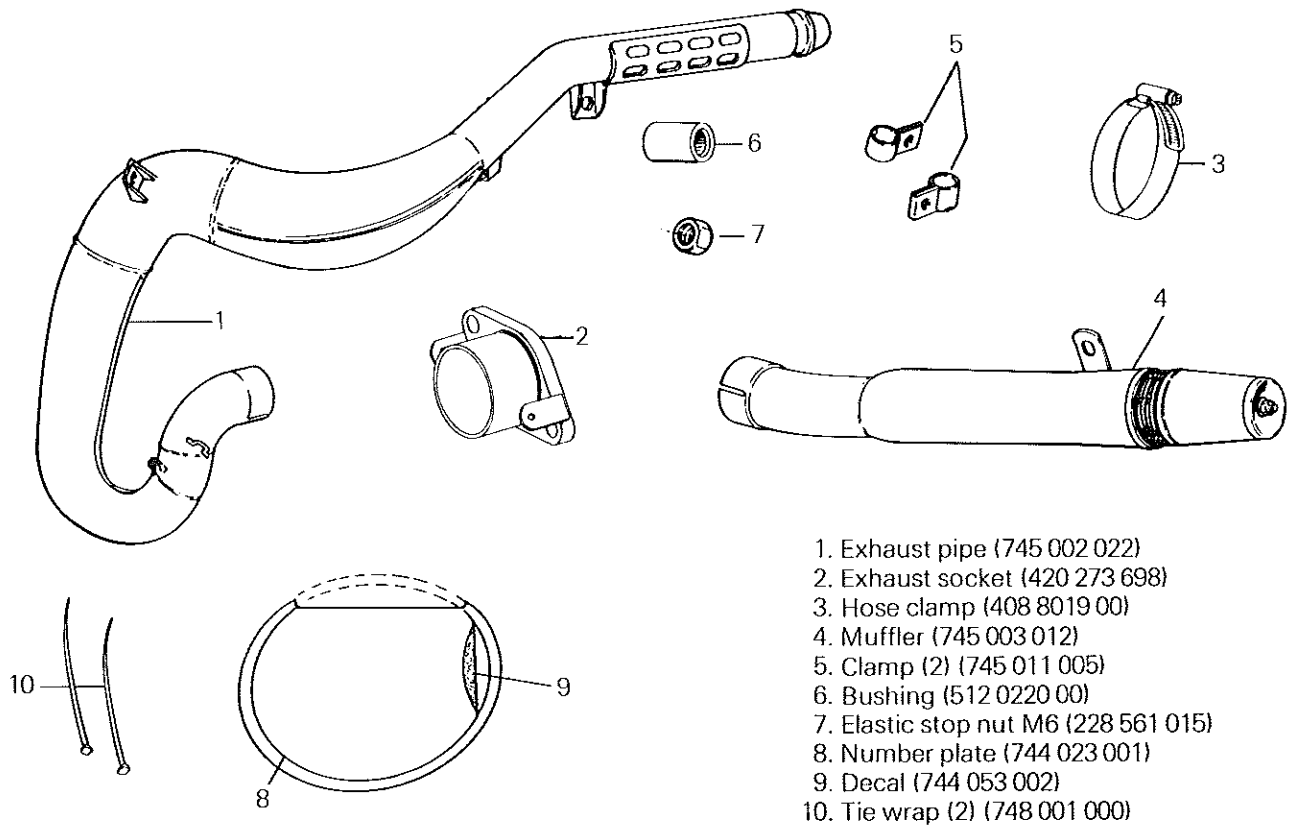
Attached to this bulletin is a copy of the high performance kit instructions sheet.

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◆ **WARNING:** For safety reasons, this kit is to be installed by an authorized dealer.

Parts included in the kit



1. Exhaust pipe (745 002 022)
2. Exhaust socket (420 273 698)
3. Hose clamp (408 8019 00)
4. Muffler (745 003 012)
5. Clamp (2) (745 011 005)
6. Bushing (512 0220 00)
7. Elastic stop nut M6 (228 561 015)
8. Number plate (744 023 001)
9. Decal (744 053 002)
10. Tie wrap (2) (748 001 000)

Proceed as follows:

Mount the motorcycle on the center stand.

Remove the seat and the gas tank.

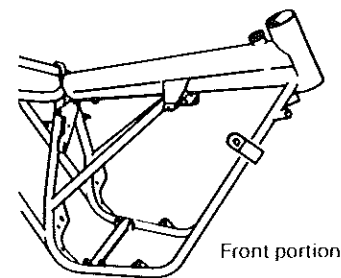
Remove the L.H. number plate, exhaust pipe and resonator ass'y and the exhaust socket.

○ **NOTE:** The following fasteners are reusable to install the kit (2 exhaust pipe rubber mount, the upper resonator rubber mount with screw M8 x 40, number plate retaining screw and rubber washer).

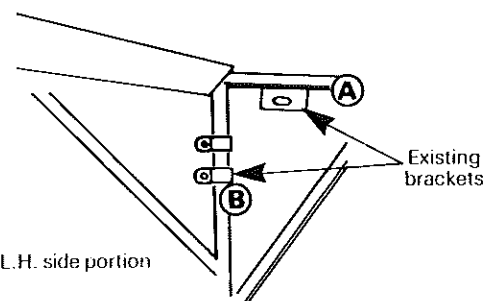
Install the exhaust socket and torque the retaining screws to 2.1 kg-m (15 ft-lbs).

Temporarily install the exhaust pipe and locate the retaining clamps.

Install the clamps, by wrapping them closely around the frame with a pair of "vise-grip" pliers.



Front portion

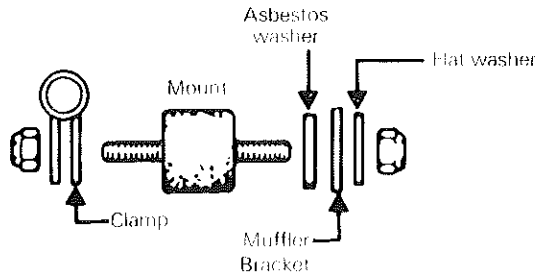


L.H. side portion

○ **NOTE:** To exempt any interference between the exhaust pipe and the A and B existing brackets proceed as follows:

- bend the (A) bracket (number plate retaining bracket) upward to obtain approximately 1/2" clearance between the exhaust pipe and the bracket.
- Twist the (B) bracket downward in order to form a 90° angle with the frame tube.

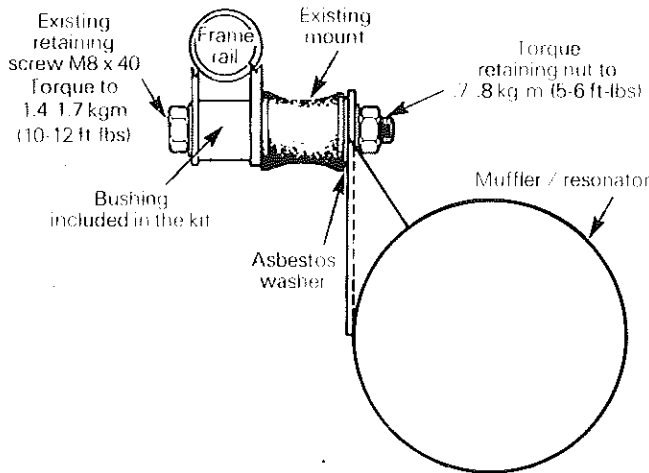
Mount the exhaust pipe rubber mount to the retaining clamp and install the exhaust pipe with the exhaust springs.



Torque the retaining nuts to 1.4-1.7 kg-m (10-12 ft-lbs).

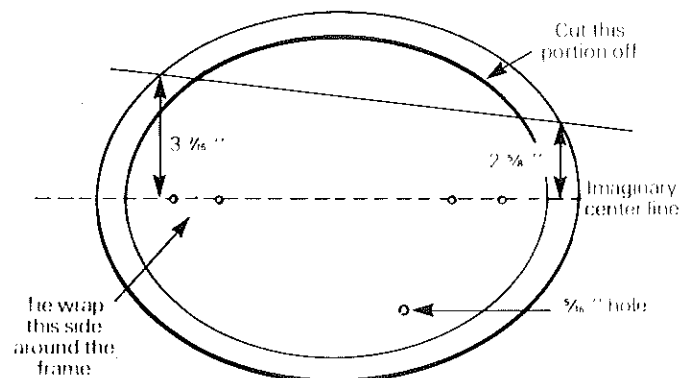
▼ **CAUTION:** Ensure that the exhaust pipe is not touching the frame.

Slide the hose clamp and the muffler / resonator into place and secure the rear upper mount as illustrated.



Torque the hose clamp to 0.4 kg-m (3 ft lbs).

Reinstall the gas tank and the seat.
Modify the number plate as illustrated.



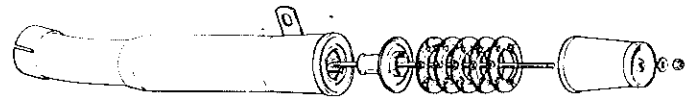
Locate the number plate position and drill a 5/16" hole exactly in line with the rear retaining bracket hole and install the existing screw.

Remove the number plate, stick the decal in place and trim the top edge.
Secure the front portion with the tie wraps around the frame tube.

▼ **CAUTION:** After installation of exhaust pipe, be sure all cables, hoses and wires are routed away from an exhaust pipe. Use tape or tie-wraps if necessary.

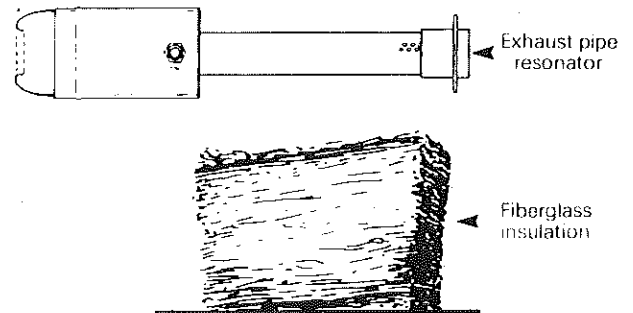
Muffler / spark arrestor maintenance

The muffler can be removed and taken apart to clean the spark arrestor chamber as required.



◆ **WARNING:** Removal, modification or failure to maintain spark arrestor in effective working order may constitute a violation of existing Federal, State or Provincial regulations.

The exhaust pipe is also equipped with a resonator and must be left installed for maximum performance, while installing the kit. The resonator may be removed to be cleaned and repacked with fiberglass insulation.



▼ **CAUTION:** To maintain vehicle performance and resonator efficiency, the resonator should be periodically cleaned, and repacked with new fiberglass insulation.



Competition Bulletin

no. 76-4

Date: August 30, 1976

Subject: Wheel bearings and spacers

Serial nos: All

Models: All Can-Am motorcycles

Because overtightening of axle nuts will distort and/or damage the bearings and bearing spacers, it is always necessary to tighten them as follows.

The recommended axle nut torque is:

Rear wheel: 9-10.4 kg-m (65-75 ft-lbs)

Front wheel: 5-6.9 kg-m (37-50 ft-lbs)

Symptoms of overtightening are: aluminum particles in bearing grease, wheel not turning freely and premature wear of bearings. Should you find this has occurred, the bearings and spacers should be inspected and if found damaged, replaced.

The replacement part numbers are:

Front wheel

Spacer: 743 025 004
Bearings: 732 705 000

Rear wheel

Spacer: 743 025 005
Bearings: 732 706 000

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Competition Bulletin

no. 77-4

Date: June 2nd, 1977

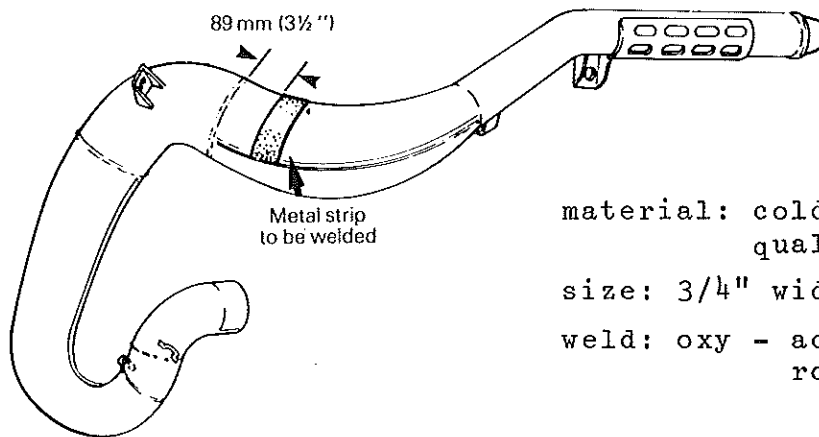
Subject: Exhaust pipe

Serial nos: 7864

Models: MX-3 250

To increase the strength of the exhaust pipe we suggest that you weld a strip of metal across the large part of the exhaust pipe (from weld to weld).

This will alter the heat and vibration dissipation and increase the durability of the exhaust pipe.



material: cold rolled commercial quality steel

size: 3/4" wide X .075" thick

weld: oxy - acetylene with steel rod

▼ CAUTION: No brazed welding.

○ NOTE: Ensure that all the exhaust pipe mounts are properly aligned and that the pipe is not touching the frame.

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Competition Bulletin

no. 77-5

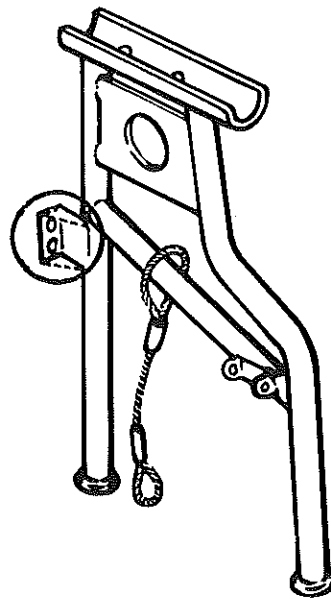
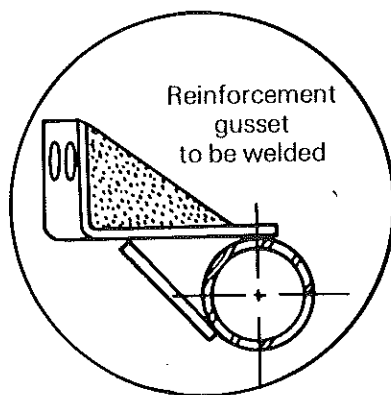
Date: June 6, 1977

Subject: Center stand retainer
bracket reinforcement

Serial nos: 7845, 7855, 7865

Models: All Qualifiers

In order to further reinforce the center stand retainer bracket, we recommend that you weld reinforcement gussets on each side of the bracket.



Material: cold rolled commercial
quality steel 16 gauge
(.060")

Weld: oxy - acetylene with steel
rod

○ **NOTE:** Ensure that the bracket is at a 90° angle prior to completely welding the gussets in place.

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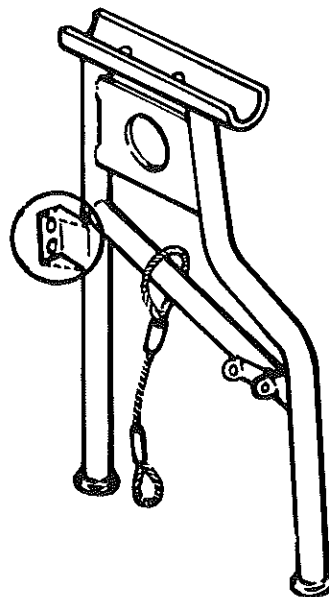
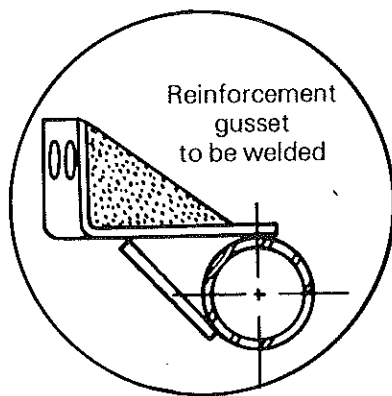
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