

3. FRAME/BODY PANELS/EXHAUST SYSTEM

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SERVICE INFORMATION

GENERAL

- This section covers removal and installation of the body panels, fuel tank and exhaust system.
- Always replace the gaskets after removing the exhaust system.
- Always inspect the exhaust system for leaks after installation.

TORQUE VALUES

Footpeg bracket bolt	42 N·m (4.3 kgf·m, 31 lbf·ft)	
Skid plate bolt	30 N·m (3.1 kgf·m, 22 lbf·ft)	ALOC bolt: replace with a new one.
Muffler mounting nut	32 N·m (3.3 kgf·m, 24 lbf·ft)	
Exhaust pipe band bolt	23 N·m (2.3 kgf·m, 17 lbf·ft)	

TROUBLESHOOTING

Excessive exhaust noise

- Broken exhaust system
- Exhaust gas leak

Poor performance

- Deformed exhaust system
- Exhaust gas leak
- Clogged muffler

SEAT

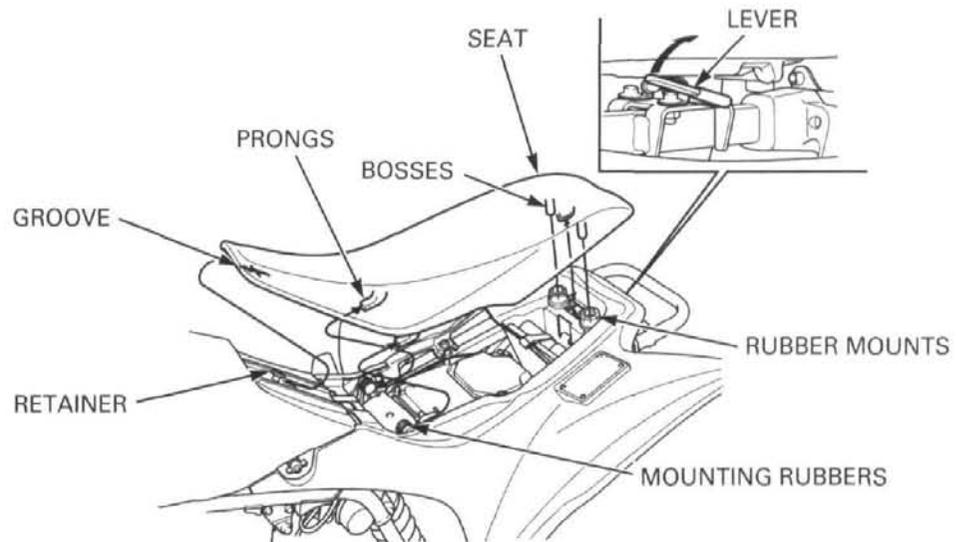
REMOVAL

Unlock the seat by pulling the release lever up.
Pull the seat back and remove it.

INSTALLATION

Install the seat by inserting the groove under the retainer, and the prongs under the mounting rubbers.

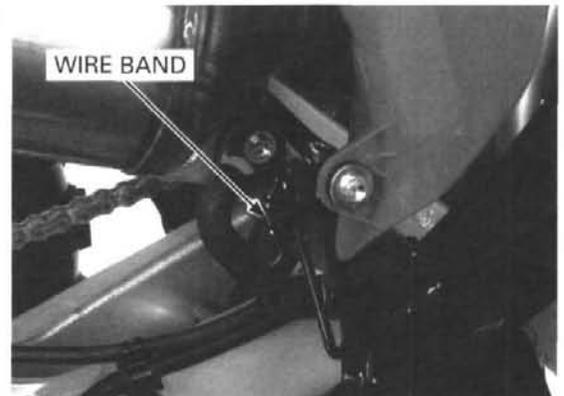
Push the seat forward and align the mounting bosses with the rubber mounts, then press down to lock it.



MUD GUARD/FOOTPEG

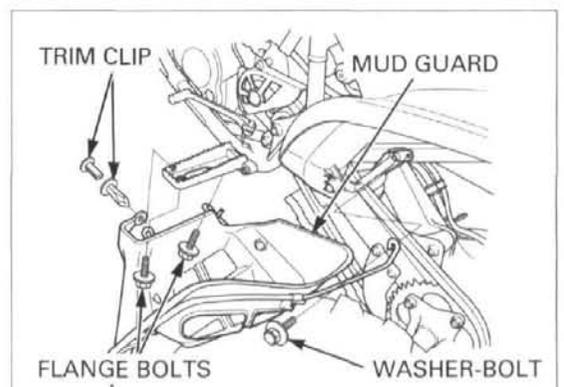
REMOVAL

After '05: Remove the brake light switch wire band from the right mud guard stay.



Remove the following:

- trim clip
- washer-bolt
- flange bolts
- mud guard



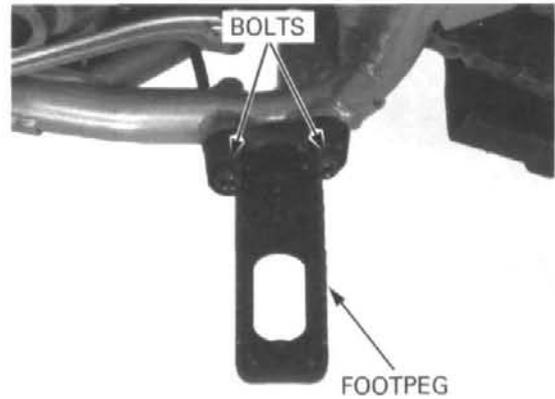
FRAME/BODY PANELS/EXHAUST SYSTEM

Remove the two bolts and footpeg.

INSTALLATION

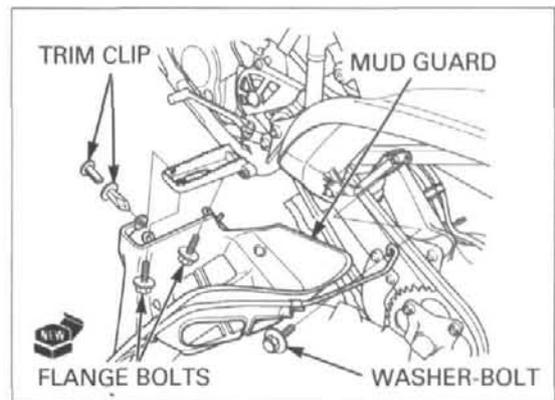
Install the footpeg and tighten the two bolts.

TORQUE: 42 N-m (4.3 kgf-m, 31 lbf-ft)

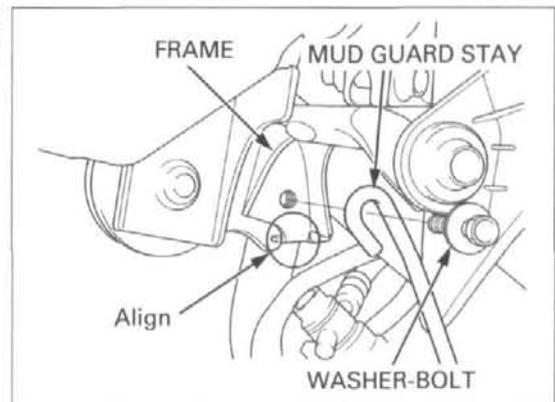


Install the following:

- mud guard
- new flange bolts
- washer-bolt
- trim clip



When installing the washer-bolt for right side mud guard, align the mud guard stay with the groove in the frame as shown, then install and tighten the washer-bolt.



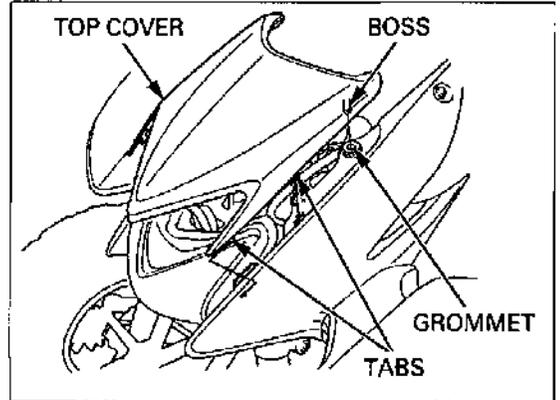
After '05: Secure the brake light switch wire to the right mud guard stay with the wire band.



TOP COVER ('04 – '05)

Remove the two bosses from the grommets and remove the top cover by releasing the four tabs.

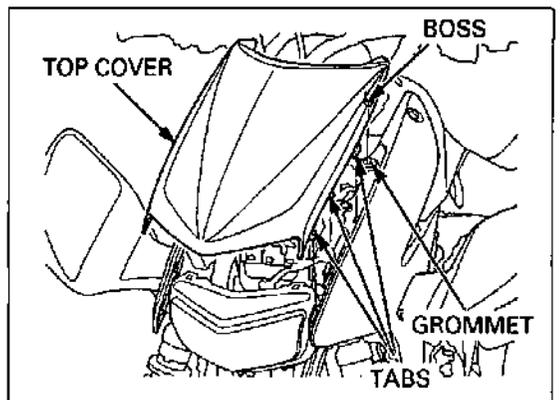
Install the top cover in the reverse order of removal.



TOP COVER (After '05)

Remove the two bosses from the grommets and remove the top cover by releasing the six tabs.

Install the top cover in the reverse order of removal.

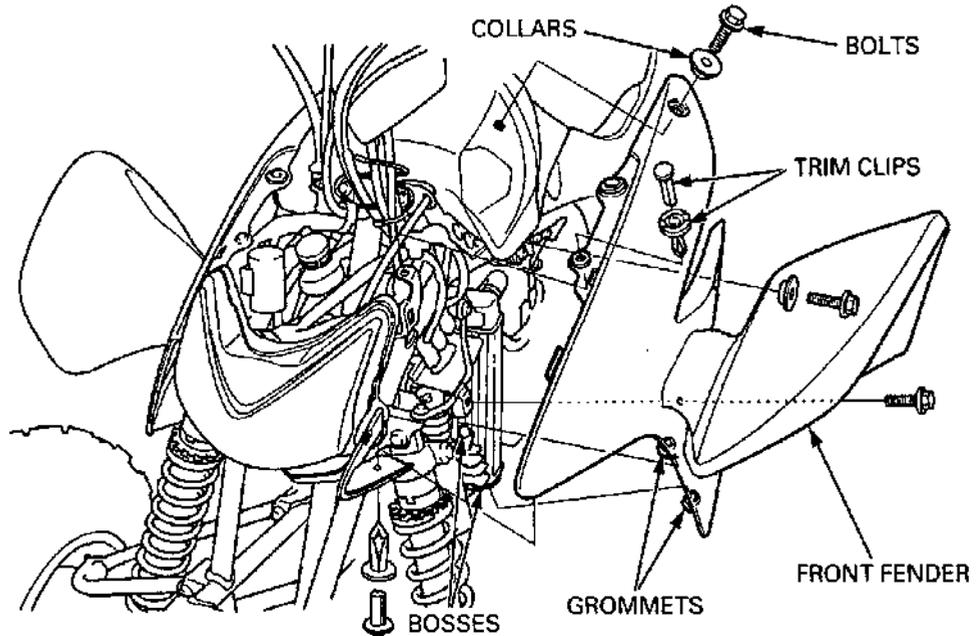


FRONT FENDER ('04 - '05)

Remove the following:

- top cover (page 3-5)
- two trim clips
- three bolts and two collars
- front fender by releasing the grommets from the bosses of the radiator grille.

Install the front fender in the reverse order of removal.

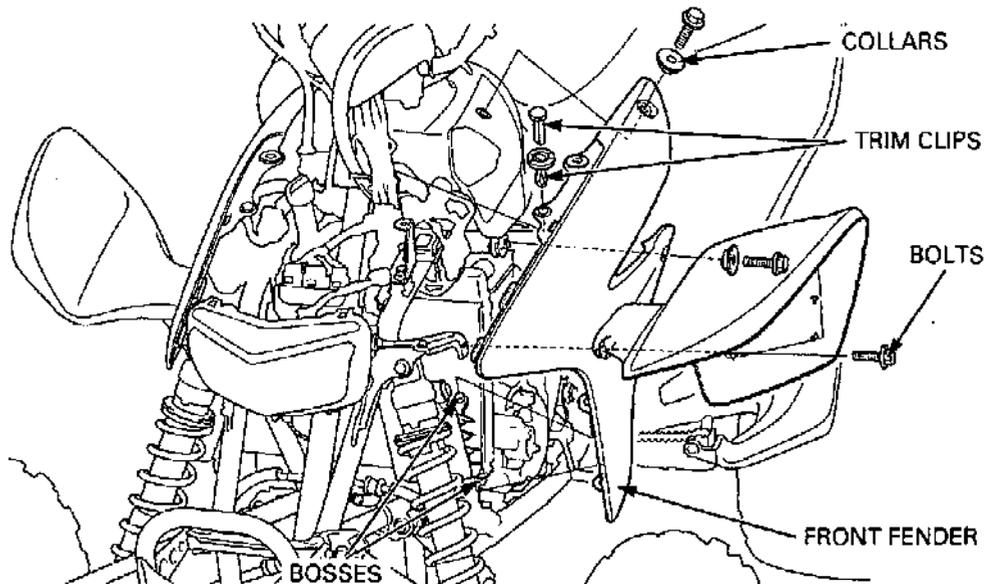


FRONT FENDER (After '05)

Remove the following:

- top cover (page 3-5)
- trim clip
- three bolts and two collars
- front fender by releasing the bosses of the radiator grille.

Install the front fender in the reverse order of removal.

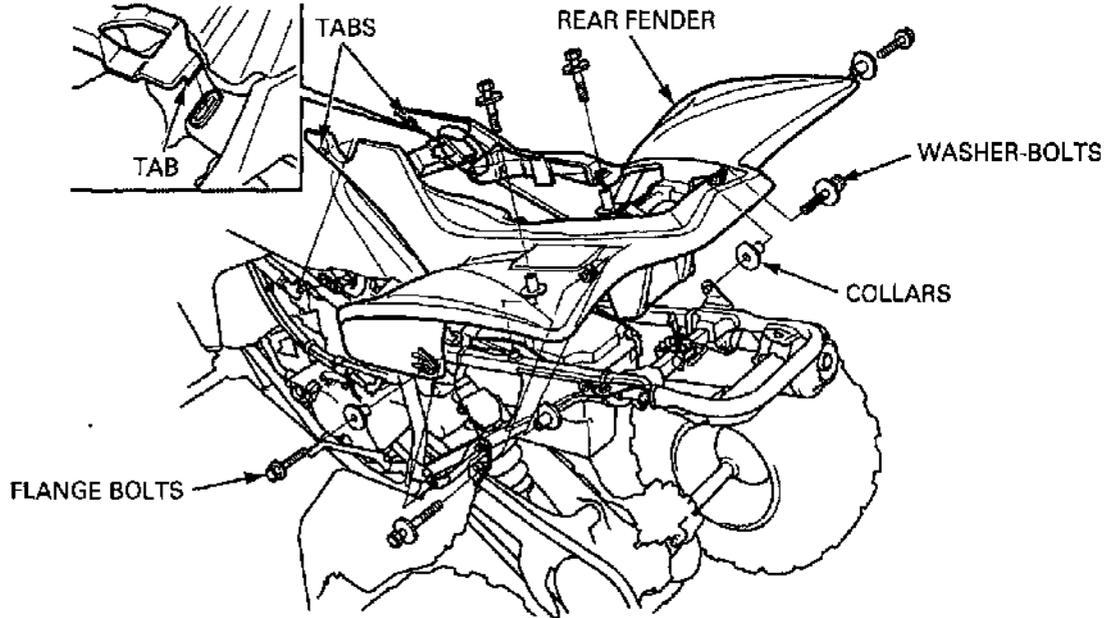


REAR FENDER ('04 - '05)

Remove the seat (page 3-3).

Release the three tabs from the grommets.
Remove the two flange bolts, four washer-bolts, six collars and the rear fender.

Install the rear fender in the reverse order of removal.

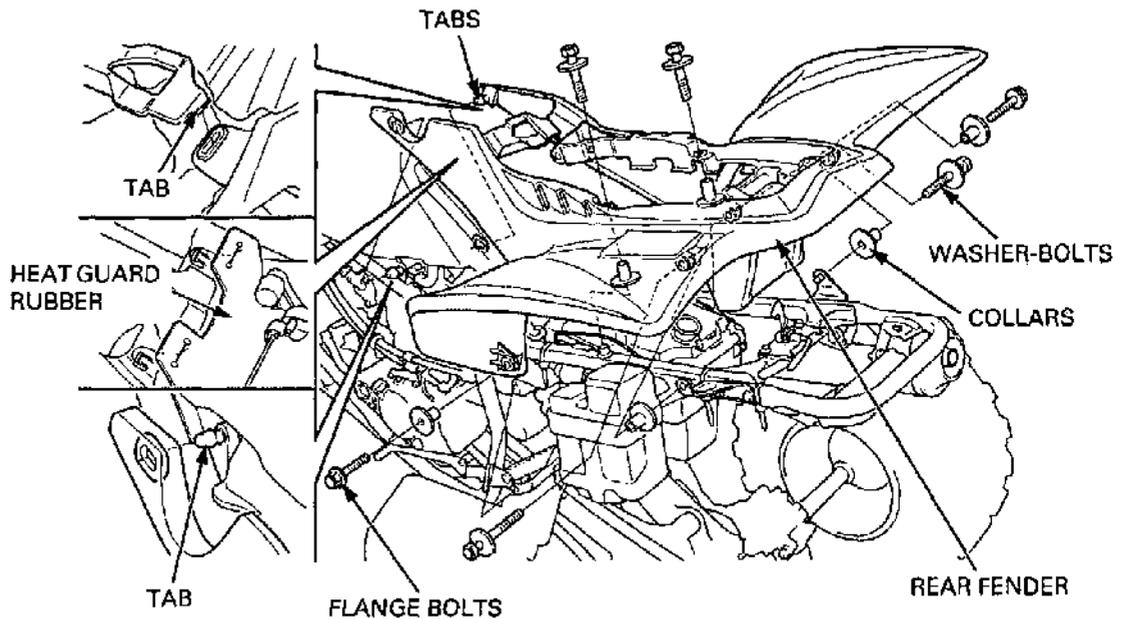


REAR FENDER (After '05)

Remove the seat (page 3-3).

Unhook the heat guard rubber.
Release the three tabs from the grommets.
Remove the two flange bolts, four washer-bolts, six collars and the rear fender.

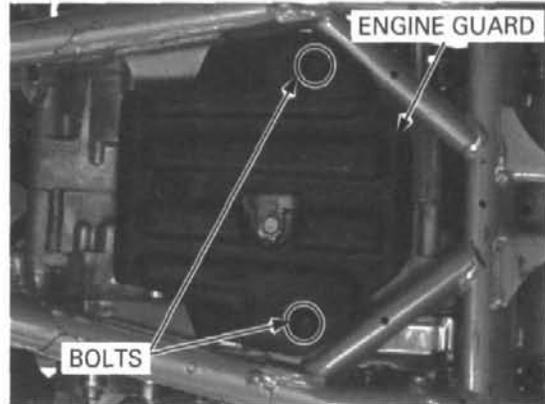
Install the rear fender in the reverse order of removal.



ENGINE GUARD ('04 – '05)

Remove the two bolts and engine guard.

Install the engine guard and tighten the two bolts securely.

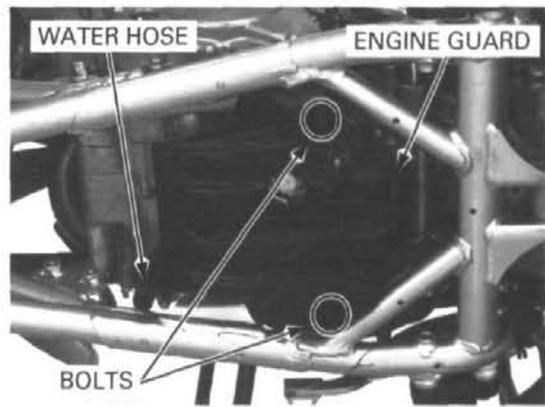


ENGINE GUARD (After '05)

Release the water hose from the engine guard groove.

Remove the two bolts and engine guard.

Install the engine guard and tighten the two bolts and water hose securely.

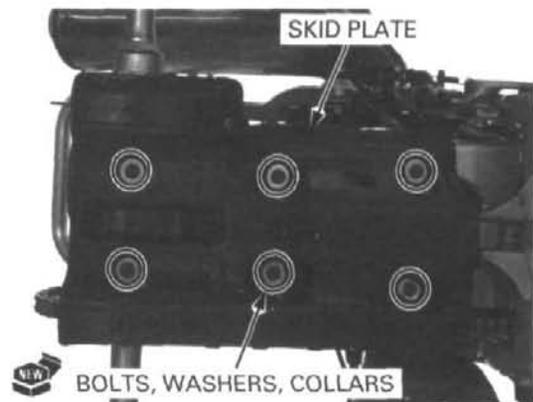


SKID PLATE

Remove the six bolts, washers, collars and the skid plate.

Install the skid plate with the six collars, washers and new bolts, and tighten the bolts.

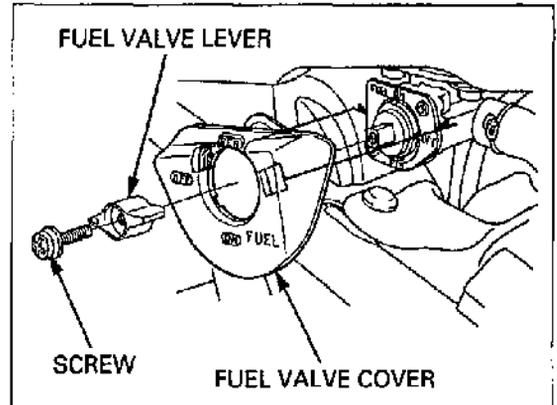
TORQUE: 30 N·m (3.1 kgf·m, 22 lbf·ft)



FUEL TANK

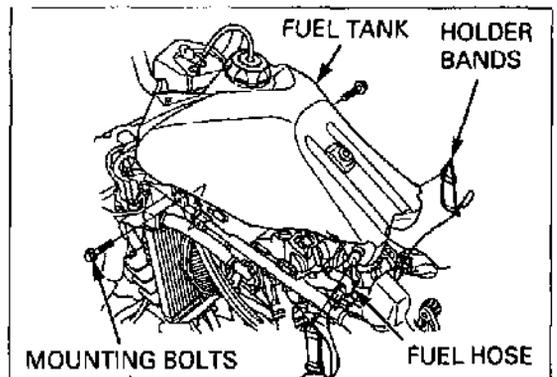
Remove the following:

- seat (page 3-3)
- front fender
'04 - '05: (page 3-6)
After '05: (page 3-6)
- rear fender
'04 - '05: (page 3-7)
After '05: (page 3-7)
- screw and fuel valve lever
- fuel valve cover



Disconnect the fuel hose from the fuel valve.
Remove the holder bands, mounting bolts and the fuel tank.

Install the fuel tank in the reverse order of removal.

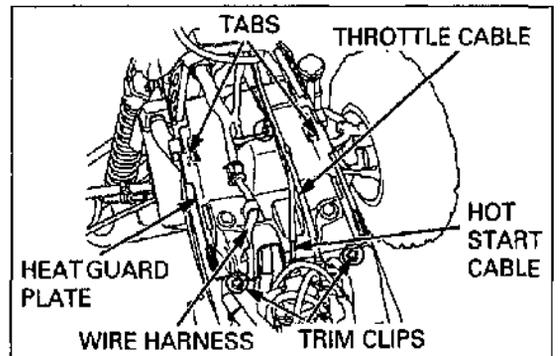


HEAT GUARD PLATE ('04 - '05)

Remove the throttle cable, hot start cable and main wire harness from the clamps of the heat guard plate.

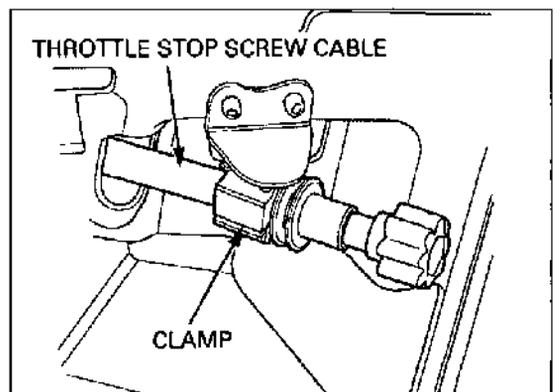
Remove the two trim clips and the heat guard plate by releasing the two tabs.

Install the heat guard plate in the reverse order of removal.



HEAT GUARD PLATE (After '05)

Remove the throttle stop screw cable from the clamp of the heat guard plate.



FRAME/BODY PANELS/EXHAUST SYSTEM

Remove the wire band that secured the wire harness and alternator wire.

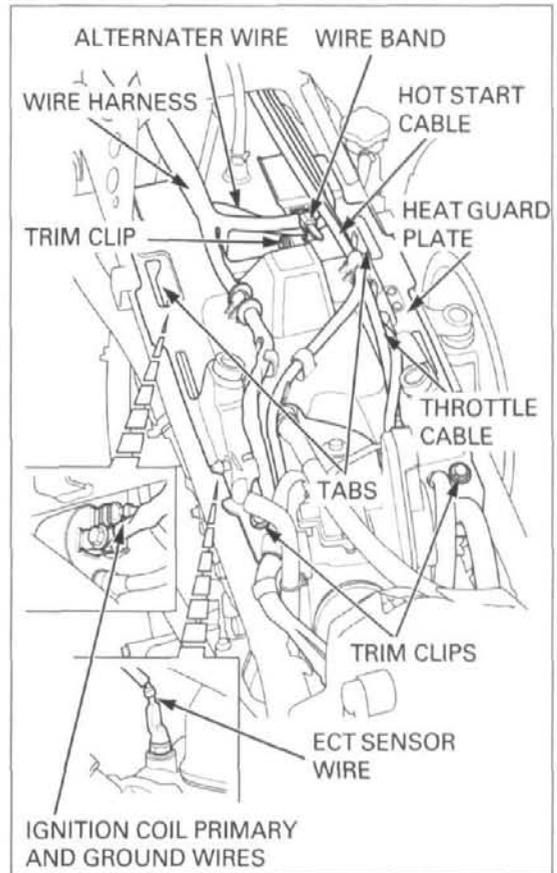
Disconnect the ignition coil primary wire, ground wire and ECT sensor wire.

Remove the throttle cable and main wire harness from the clamps of the heat guard plate.

TRX450R only: Remove the hot start cable from the clamp of the heat guard plate.

Remove the three trim clips and the heat guard plate by releasing the two tabs.

Install the heat guard plate in the reverse order of removal.

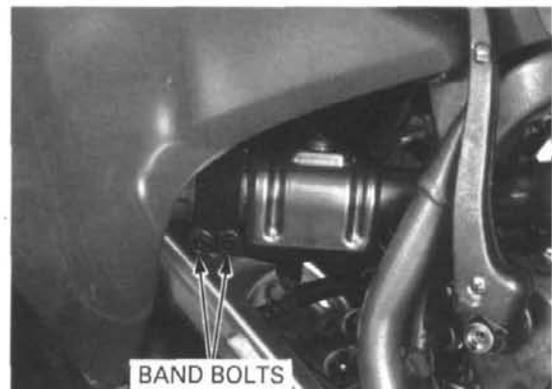


EXHAUST SYSTEM

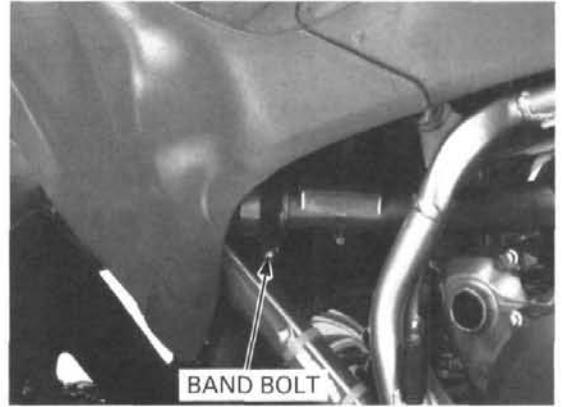
REMOVAL

Remove the two mounting nuts, bolts, washers and collars.

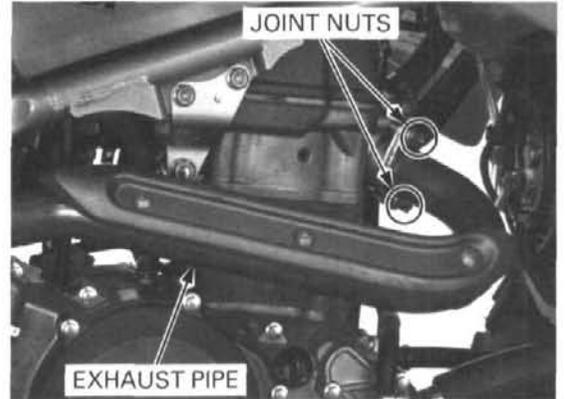
'04-'05: Loosen the two muffler band bolts, and remove the muffler and gasket.



After '05: Loosen the muffler band bolt, and remove the muffler and gasket.



Remove the two joint nuts, exhaust pipe and gasket.

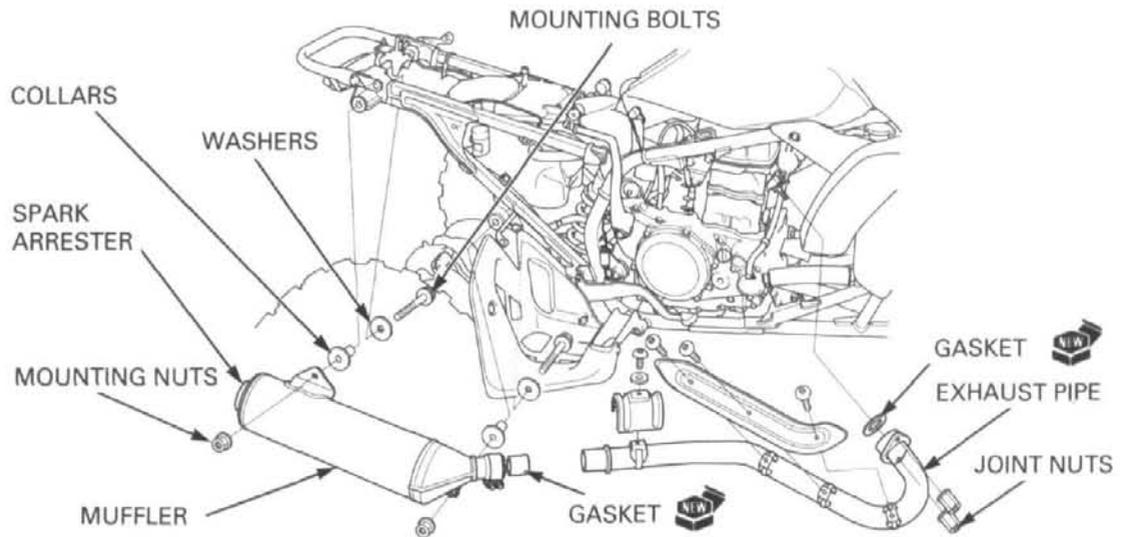


INSTALLATION

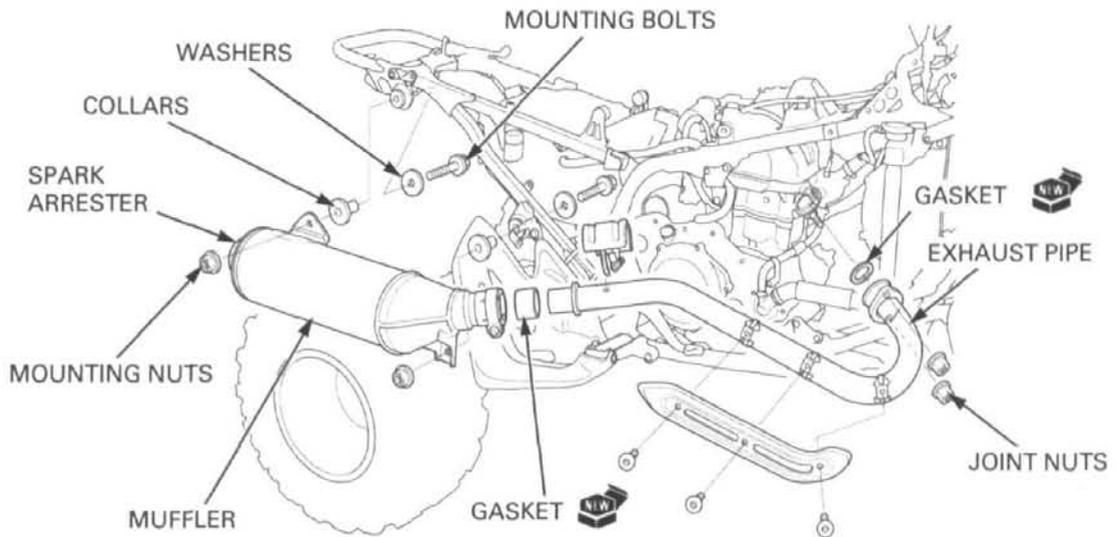
Loosely install the following:

- new gasket
- exhaust pipe
- two joint nuts
- new gasket
- muffler
- two collars, washers, mounting bolts and nuts

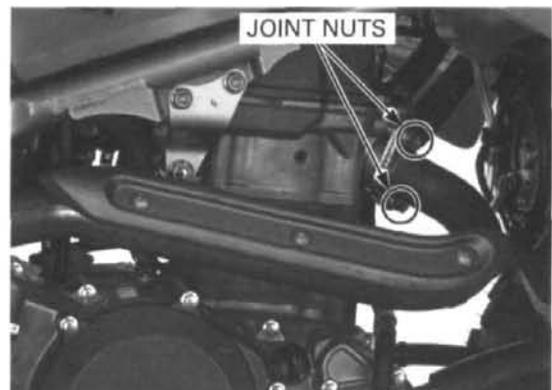
'04-'05:



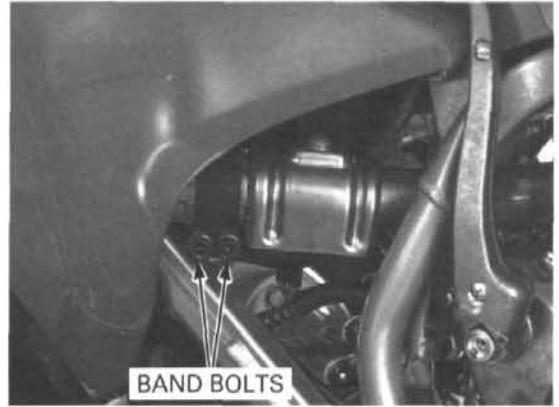
After '05:



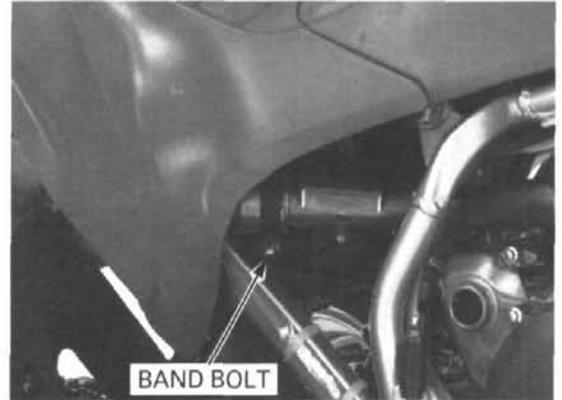
Tighten the exhaust pipe joint nuts securely.



'04-'05: Tighten the exhaust pipe band bolts.
TORQUE: 23 N·m (2.3 kgf·m, 17 lbf·ft)



After '05: Tighten the exhaust pipe band bolt.
TORQUE: 23 N·m (2.3 kgf·m, 17 lbf·ft)



Tighten the muffler mounting nuts.
TORQUE: 32 N·m (3.3 kgf·m, 24 lbf·ft)

