

## 2. FRAME/BODY PANELS/EXHAUST SYSTEM

---

SERVICE INFORMATION .....	2-2	SCREEN GARNISH .....	2-11
TROUBLESHOOTING .....	2-2	WINDSCREEN .....	2-12
BODY PANEL LOCATIONS .....	2-2	FRONT LOWER COWL .....	2-12
SEAT .....	2-4	OVER HEAD COVER .....	2-12
SADDLE BAG .....	2-4	FRONT FENDER .....	2-13
SIDE COVER .....	2-5	FRONT ENGINE COVER .....	2-13
REAR CENTER COWL .....	2-5	ENGINE HEAT GUARD .....	2-13
REAR SIDE COWL .....	2-7	TOP SHELTER .....	2-14
NUMBER BRACKET .....	2-7	STEP HOLDER .....	2-15
REAR FENDER B .....	2-8	MUFFLER .....	2-16
SHROUD .....	2-8	EXHAUST PIPE .....	2-17
INNER PANEL .....	2-9	HEAT GUARD RUBBER .....	2-18
MIDDLE COWL .....	2-10	SIDESTAND .....	2-19
FAIRING POCKET .....	2-10	CENTERSTAND (CM type) .....	2-19
REARVIEW MIRROR .....	2-11		

## SERVICE INFORMATION

### GENERAL

- This section covers removal and installation of the body panels and exhaust system.
- Serious burns may result if the exhaust system is not allowed to cool before components are removed or serviced.
- Always replace the exhaust pipe gaskets after removing the exhaust pipe from the engine.
- When installing the exhaust system, loosely install all of the exhaust pipe fasteners. Always tighten the exhaust clamps first, then tighten the mounting fasteners. If you tighten the mounting fasteners first, the exhaust pipe may not seat properly.
- Always inspect the exhaust system for leaks after installation.

## TROUBLESHOOTING

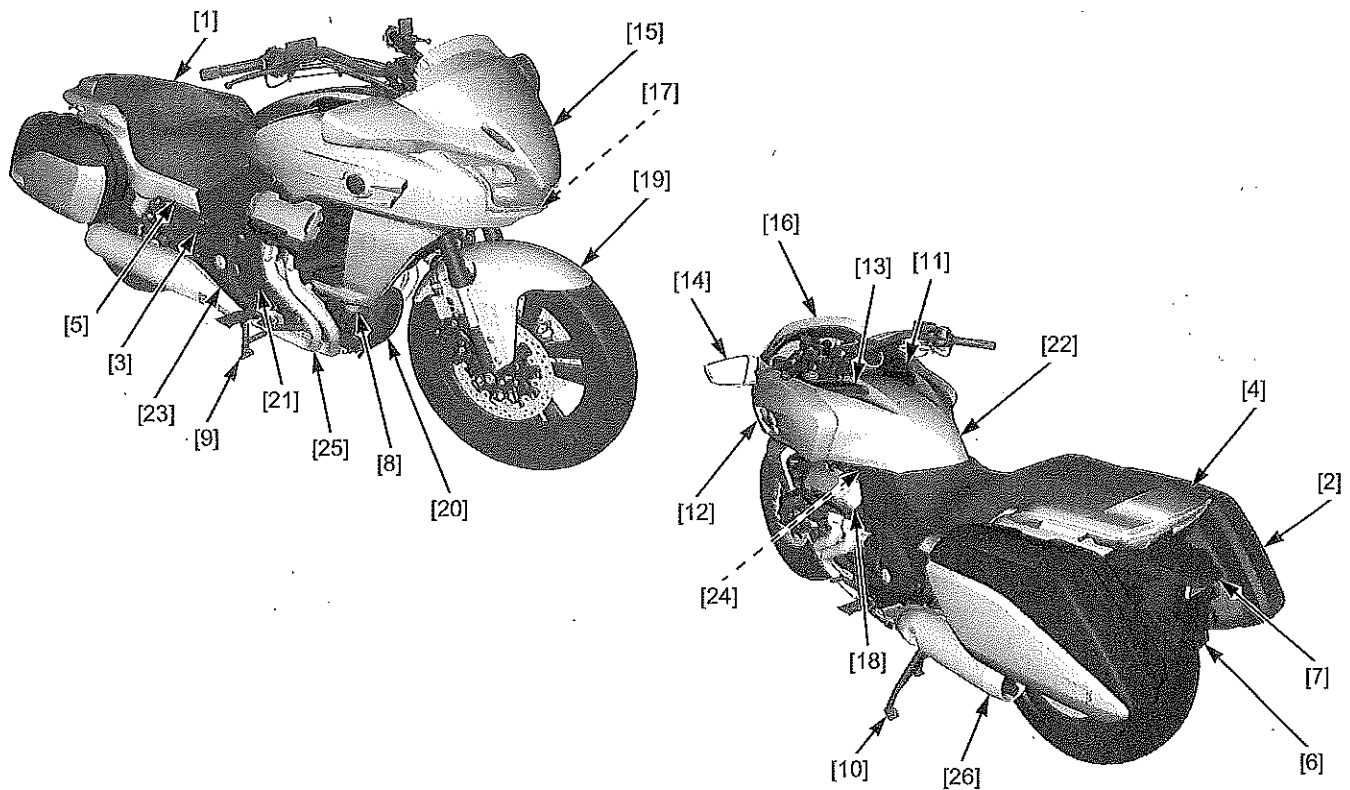
### Excessive exhaust noise

- Broken exhaust system
- Exhaust gas leak

### Poor performance

- Deformed exhaust system
- Exhaust gas leak
- Clogged muffler

## BODY PANEL LOCATIONS

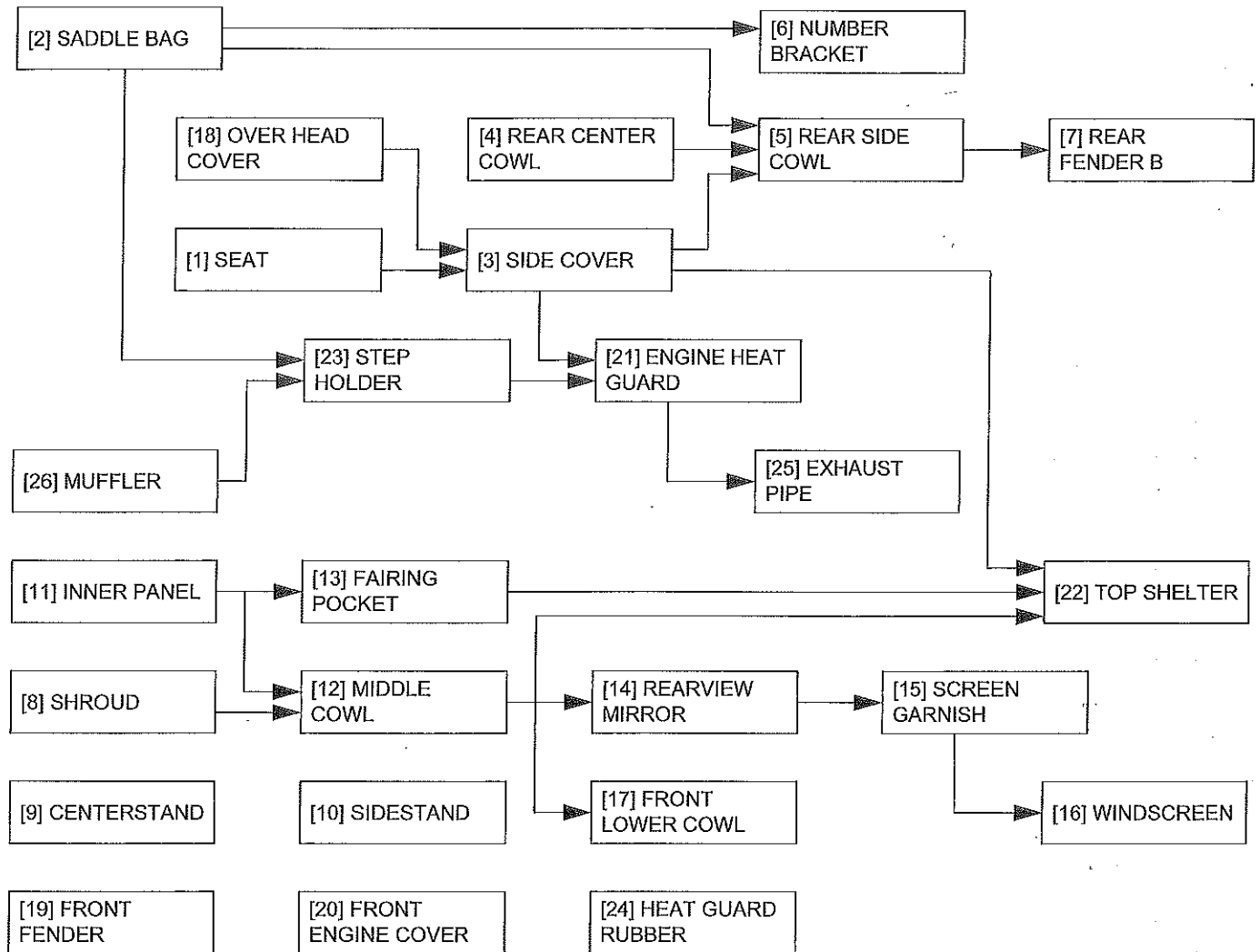


- [1] Seat (page 2-4)
- [2] Saddle bag (page 2-4)
- [3] Side cover (page 2-5)
- [4] Rear center cowl (page 2-5)
- [5] Rear side cowl (page 2-7)
- [6] Number bracket (page 2-7)
- [7] Rear fender B (page 2-8)
- [8] Shroud (page 2-8)
- [9] Centerstand (page 2-19)
- [10] Sidestand (page 2-19)
- [11] Inner panel (page 2-9)
- [12] Middle cowl (page 2-10)
- [13] Fairing pocket (page 2-10)

- [14] Rearview mirror (page 2-11)
- [15] Screen garnish (page 2-11)
- [16] Windscreen (page 2-12)
- [17] Front lower cowl (page 2-12)
- [18] Over head cover (page 2-12)
- [19] Front fender (page 2-13)
- [20] Front engine cover (page 2-13)
- [21] Engine heat guard (page 2-13)
- [22] Top shelter (page 2-14)
- [23] Step holder (page 2-15)
- [24] Heat guard rubber (page 2-18)
- [25] Exhaust pipe (page 2-17)
- [26] Muffler (page 2-16)

**BODY PANEL REMOVAL CHART**

• This chart shows removal order of frame covers by means of arrow.



## 2. FRAME/BODY PANELS/EXHAUST SYSTEM

---

SERVICE INFORMATION .....	2-2	SCREEN GARNISH .....	2-11
TROUBLESHOOTING .....	2-2	WINDSCREEN .....	2-12
BODY PANEL LOCATIONS .....	2-2	FRONT LOWER COWL .....	2-12
SEAT .....	2-4	OVER HEAD COVER .....	2-12
SADDLE BAG .....	2-4	FRONT FENDER .....	2-13
SIDE COVER .....	2-5	FRONT ENGINE COVER .....	2-13
REAR CENTER COWL .....	2-5	ENGINE HEAT GUARD .....	2-13
REAR SIDE COWL .....	2-7	TOP SHELTER .....	2-14
NUMBER BRACKET .....	2-7	STEP HOLDER .....	2-15
REAR FENDER B .....	2-8	MUFFLER .....	2-16
SHROUD .....	2-8	EXHAUST PIPE .....	2-17
INNER PANEL .....	2-9	HEAT GUARD RUBBER .....	2-18
MIDDLE COWL .....	2-10	SIDESTAND .....	2-19
FAIRING POCKET .....	2-10	CENTERSTAND (CM type) .....	2-19
REARVIEW MIRROR .....	2-11		

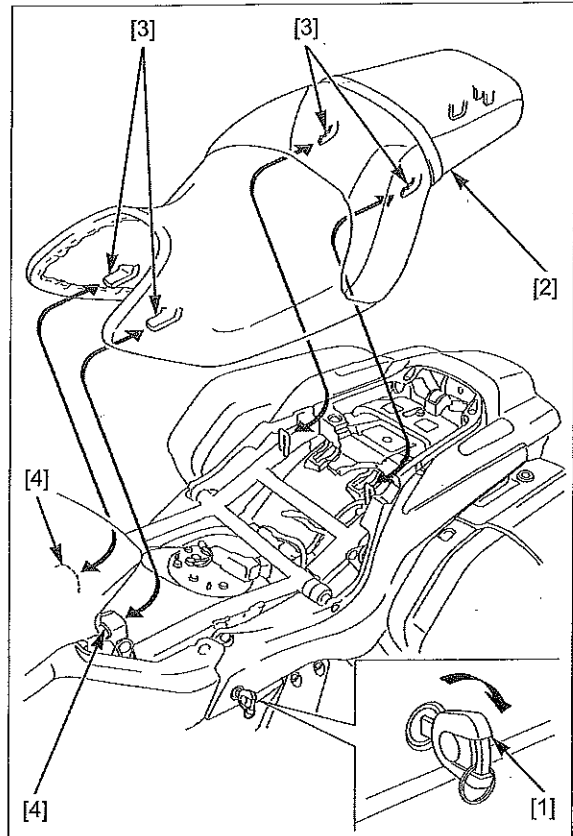
## SEAT

### REMOVAL/INSTALLATION

Unhook the seat with the ignition key [1].

Pull the seat [2] back and remove it.

Install the seat while aligning its hooks [3] with the retainers [4] on the frame.



## SADDLE BAG

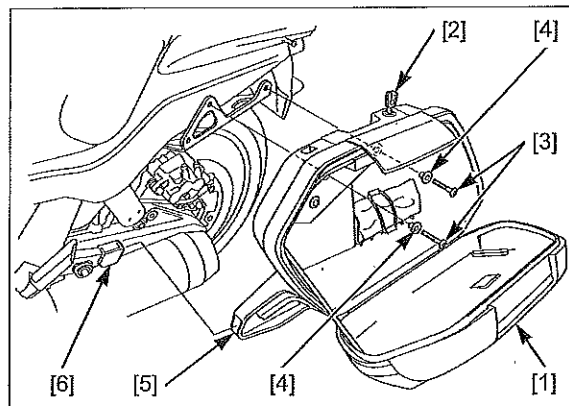
### REMOVAL/INSTALLATION

Open the lid [1] of the saddle bag with the ignition key [2].

Remove the bolts [3] and collars [4].

Remove the saddle bag [5] from the step holder [6].

Installation is in the reverse order of removal.



## SIDE COVER

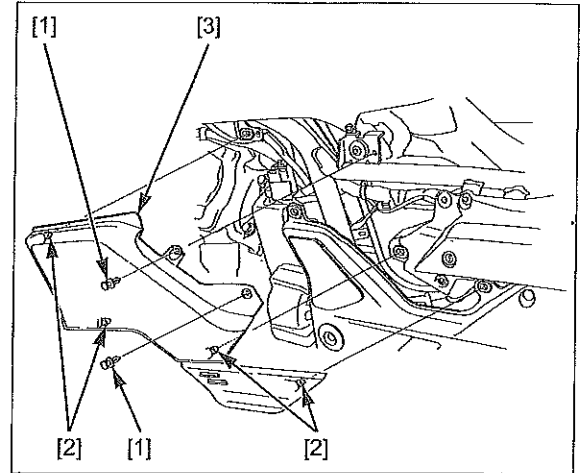
Remove the following:

- Seat (page 2-4)
- Over head cover (page 2-12)

Remove the clips [1].

Release the bosses [2] from the grommets, then remove the side cover [3].

Installation is in the reverse order of removal.



## REAR CENTER COWL

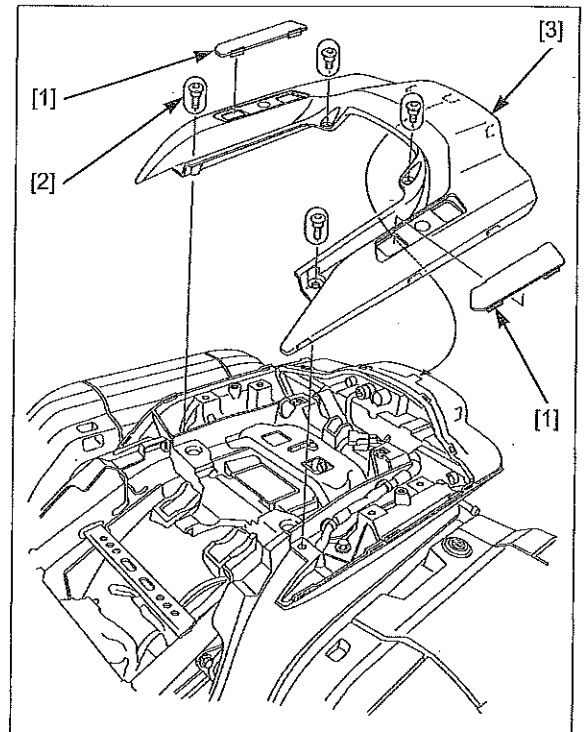
### REMOVAL/INSTALLATION

Remove the seat (page 2-4).

Remove the rear center cowl covers [1].

Remove the socket bolts [2].

Remove the rear center cowl [3].



## FRAME/BODY PANELS/EXHAUST SYSTEM

Disconnect the following connectors:

- Rear combination light 6P (Black) [1]
- License light 2P (Black) [2]

Remove the wire clip [3].

Remove the bolts [4] and washers [5].

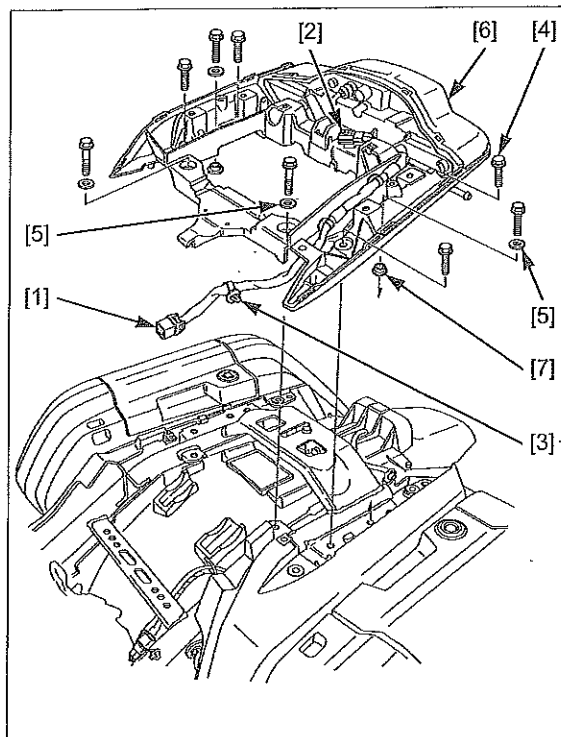
Remove the rear center cowl base [6].

Remove the collars [7] from the rear center cowl base.

Installation is in the reverse order of removal.

### TORQUE:

- Rear center cowl base flange bolt:  
27 N·m (2.8 kgf·m, 20 lbf·ft)



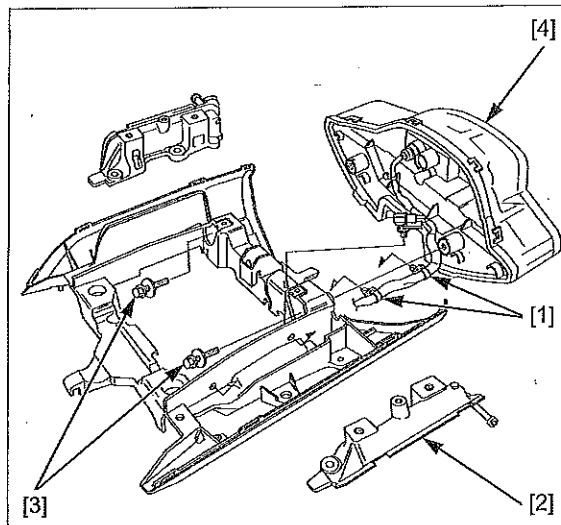
### DISASSEMBLY/ASSEMBLY

Release the clips [1].

Remove the rear cowl base stay [2].

Remove the bolt/washers [3] and rear combination light [4].

Assembly is in the reverse order of disassembly.



## REAR SIDE COWL

### REMOVAL/INSTALLATION

Remove the following:

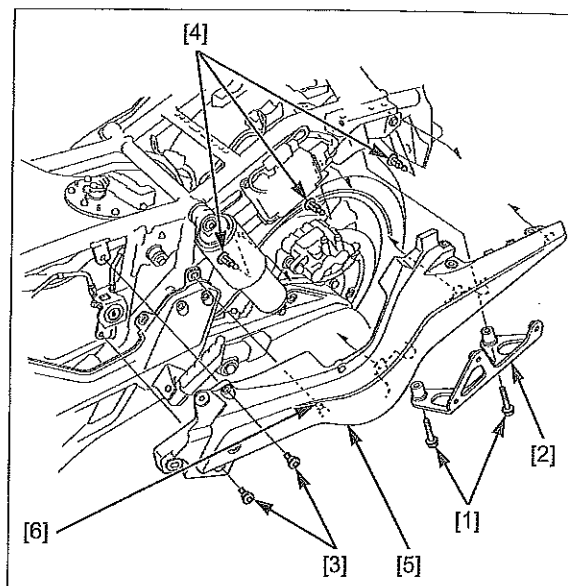
- Saddle bag (page 2-4)
- Rear center cowl (page 2-5)
- Side cover (page 2-5)

Remove the bolts [1] and saddle bag stay [2].

Remove the socket bolts [3] and clips [4].

Remove the rear side cowl [5] by releasing the rear center cowl boss [6] from the grommet.

Installation is in the reverse order of removal.



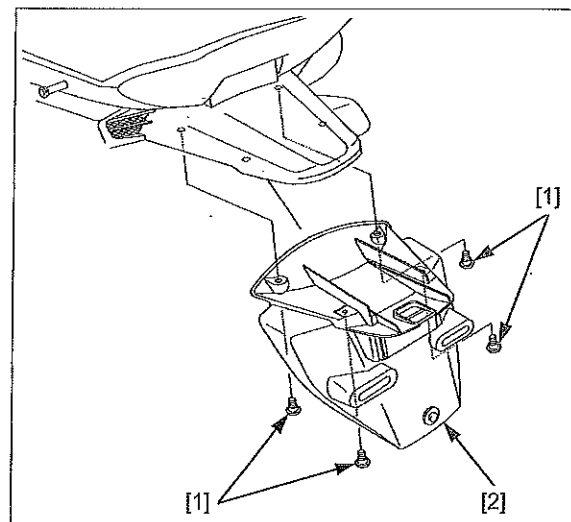
## NUMBER BRACKET

### REMOVAL/INSTALLATION

Remove the saddle bag (page 2-4).

Remove the socket bolts [1] and number bracket [2].

Installation is in the reverse order of removal.





## REAR FENDER B

### REMOVAL/INSTALLATION

Remove the following:

- Step holder (page 2-15)
- Rear side cowl (page 2-7)

Release the following connectors from the rear fender B [1]:

- Rear combination light 6P (Black) [2]
- DLC 4P (Red) [3]
- Fuel pump 3P (Black) [4]

Remove the bolt [5] and washer [6].

Release the shock absorber upper mount.

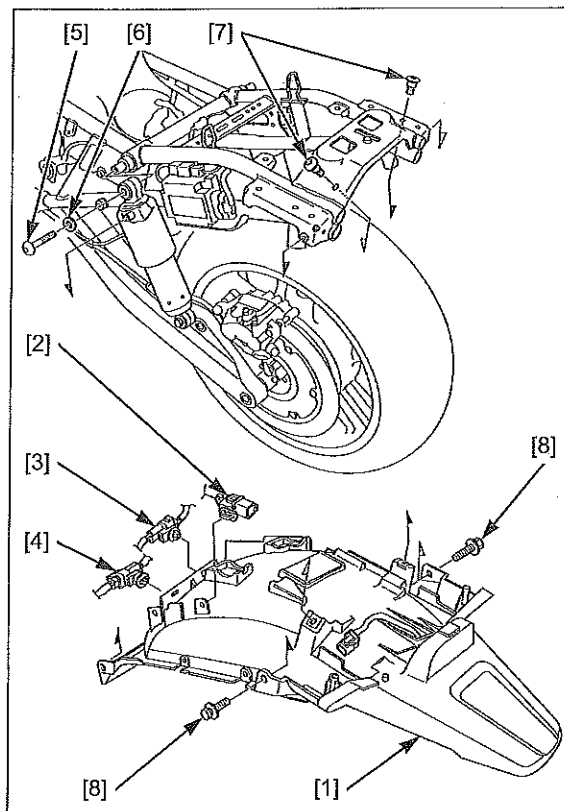
Remove the socket bolts [7] and bolt/washers [8].

Remove the rear fender B.

Installation is in the reverse order of removal.

#### TORQUE:

**Shock absorber mounting bolt**  
26 N·m (2.7 kgf·m, 19 lbf·ft)



## SHROUD

### REMOVAL/INSTALLATION

Remove the following:

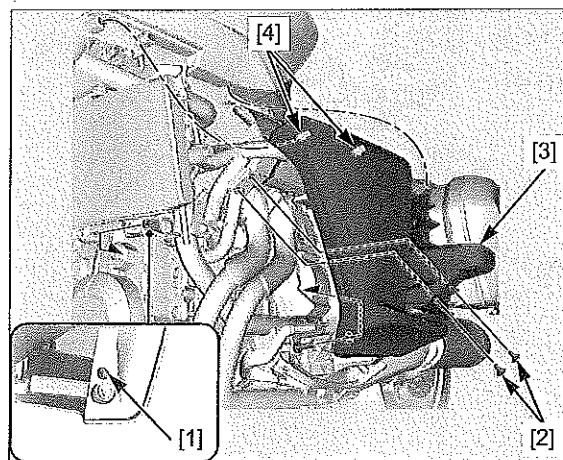
- Shroud mounting bolt [1]
- Socket bolts [2]

Remove the shroud [3] by releasing the snap fit clips [4].

Installation is in the reverse order of removal.

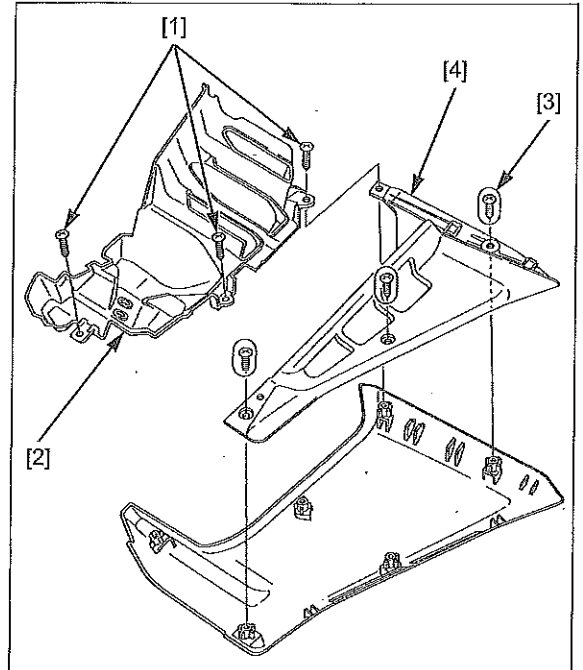
#### TORQUE:

**Shroud mounting bolt:**  
1.0 N·m (0.1 kgf·m, 0.7 lbf·ft)



**DISASSEMBLY/ASSEMBLY**

Remove the shroud (page 2-8).  
 Remove the screws [1] and shroud louver [2].  
 Remove the screws [3] and shroud inner [4].  
 Assembly is in the reverse order of disassembly.

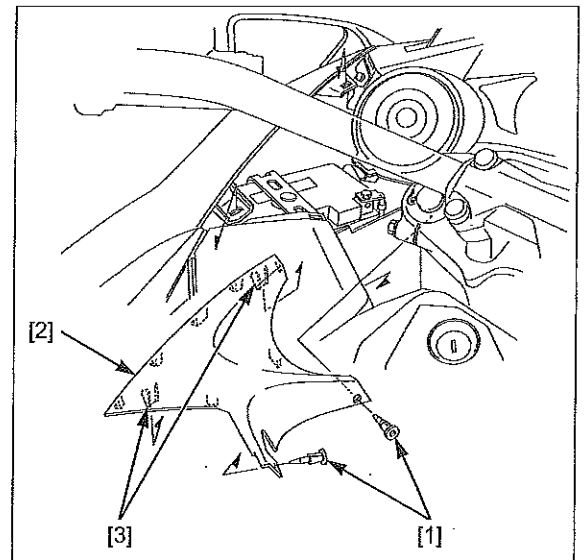


**INNER PANEL**

**REMOVAL/INSTALLATION**

**LEFT:**

Remove the clips [1].  
 Remove the left inner panel [2] by releasing the snap fit clips [3].  
 Installation is in the reverse order of removal.



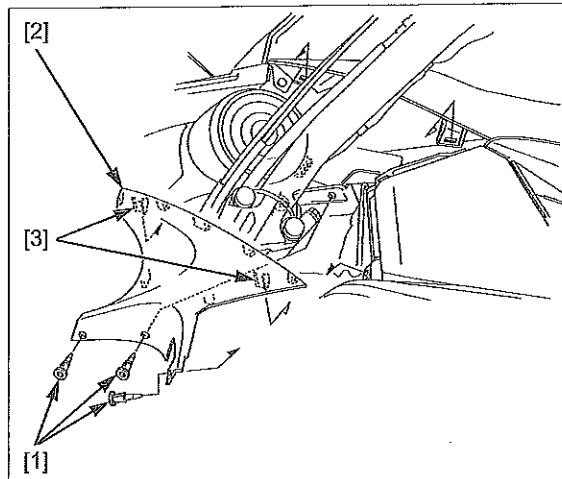
## FRAME/BODY PANELS/EXHAUST SYSTEM

### RIGHT:

Remove the clips [1].

Remove the right inner panel [2] by releasing the snap fit clips [3].

Installation is in the reverse order of removal.



## MIDDLE COWL

### REMOVAL/INSTALLATION

Remove the following:

- Inner panel (page 2-9)
- Shroud (page 2-8)

Remove the clip [1].

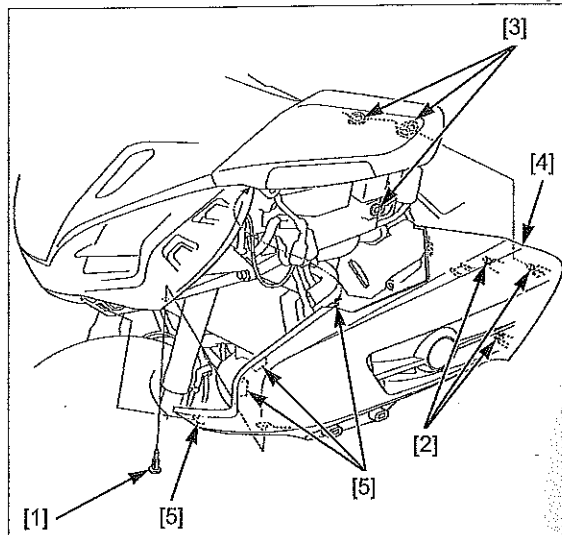
Remove the middle cowl bosses [2] from the grommets [3].

Remove the middle cowl [4] by releasing the middle cowl tabs [5].

Installation is in the reverse order of removal.

### NOTE:

- Make sure that the starter motor and ground cables are not pinched.



## FAIRING POCKET

### REMOVAL/INSTALLATION

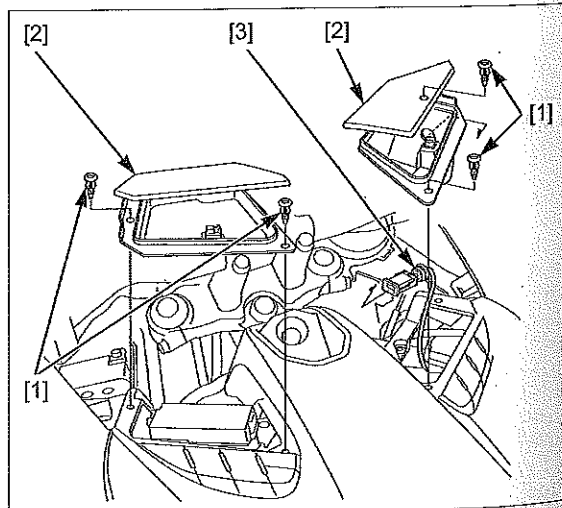
Remove the inner panel (page 2-9).

Remove the clips [1].

Remove the fairing pocket [2].

*CTX1300A:* Release the USB connector grommet [3] from the fairing pocket.

*only:* Installation is in the reverse order of removal.



## REARVIEW MIRROR

### REMOVAL/INSTALLATION

Remove the middle cowl (page 2-10).

Release the clips [1] and remove the rear mirror cover [2].

Remove the front mirror cover [3].

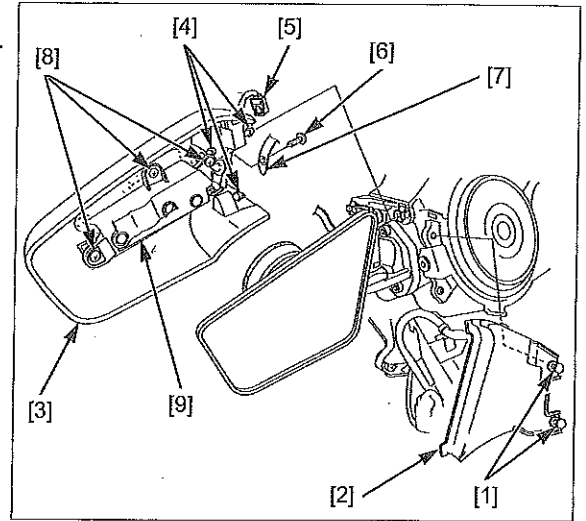
**NOTE:**

- Carefully release the front mirror cover bosses [4].

Disconnect the turn signal light 2P connector [5].

Remove the screw [6] and stopper band [7] from the front mirror cover.

Remove the screws [8] and turn signal light [9] from the front mirror cover.

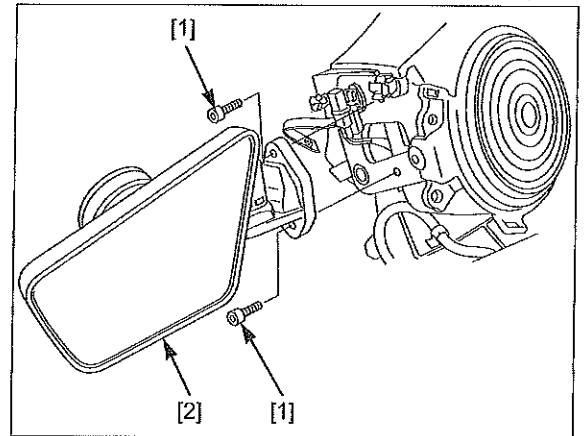


Remove the rearview mirror mounting bolts [1] and rearview mirror [2].

Installation is in the reverse order of removal.

**TORQUE:**

Rearview mirror mounting bolt:  
12 N·m (1.2 kgf·m, 9 lbf·ft)



## SCREEN GARNISH

### REMOVAL/INSTALLATION

Remove the front mirror cover (page 2-11).

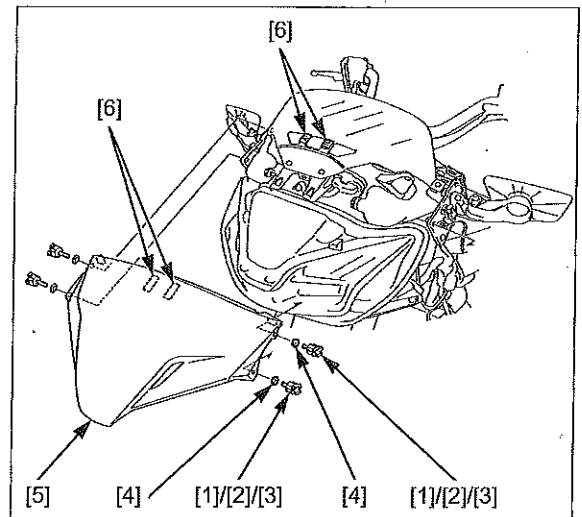
Remove the screws [1], clips [2], mirror set springs [3], and washers [4].

Remove the screen garnish [5] by releasing dual lock fasteners [6].

Installation is in the reverse order of removal.

**NOTE:**

- Install the screen garnish by pushing the dual lock fastener position.



## WINDSCREEN

### REMOVAL/INSTALLATION

Remove the screen garnish (page 2-11).

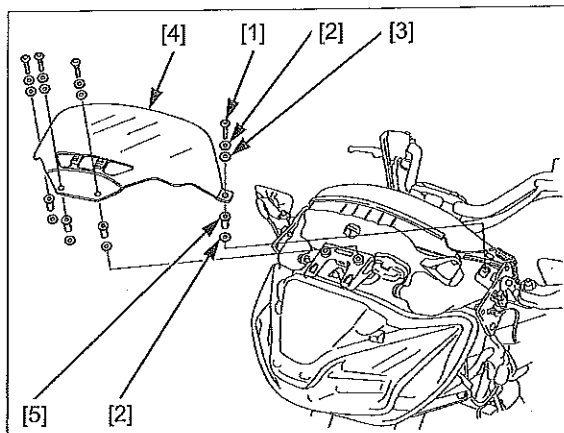
Remove the following:

- Windscreen mounting bolts [1]
- Plastic washers [2]
- Rubber washers [3]
- Windscreen [4]
- Nut [5]

Installation is in the reverse order of removal.

### TORQUE:

Windscreen mounting bolt:  
1.0 N·m (0.1 kgf·m, 0.7 lbf·ft)



## FRONT LOWER COWL

### REMOVAL/INSTALLATION

Remove the left and right middle cowl (page 2-10).

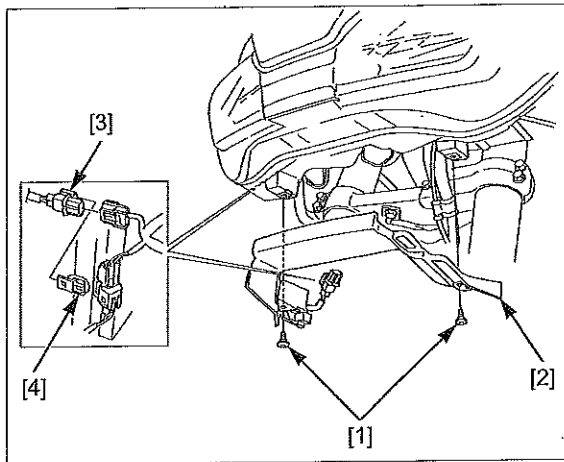
Remove the socket bolts [1] and front lower cowl [2].

Disconnect the open air temperature sensor 2P (Black) connector [3].

Release the open air temperature sensor 2P (Black) connector from the clip [4].

Remove the open air temperature sensor from the front lower cowl (page 20-26).

Installation is in the reverse order of removal.



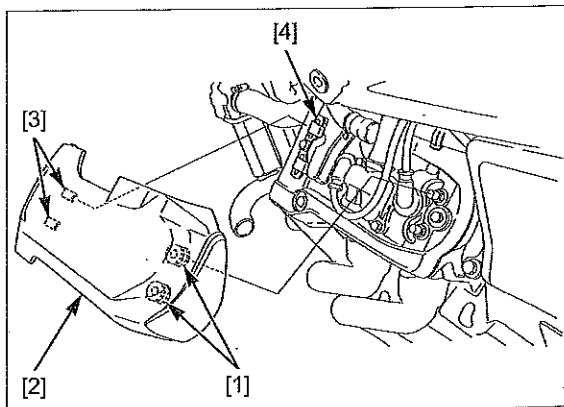
## OVER HEAD COVER

### REMOVAL/INSTALLATION

Release the grommets [1] by pulling the rear of the over head cover [2].

Remove the over head cover by releasing the tabs [3] from the stay [4].

Installation is in the reverse order of removal.



## FRONT FENDER

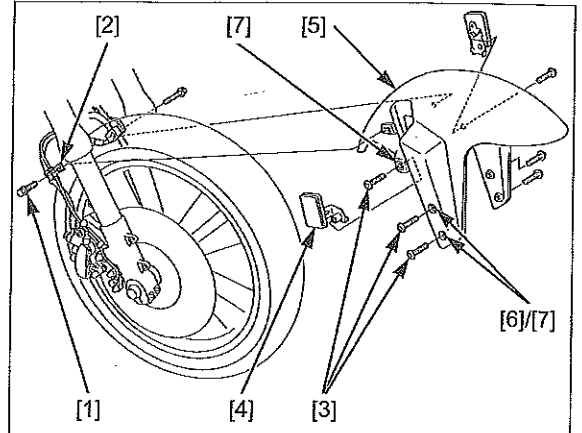
### REMOVAL/INSTALLATION

Remove the bolts [1] and brake hose joint [2].

Remove the socket bolts [3], reflector [4] and front fender [5].

Remove the collars [6] and grommets [7] from the front fender.

Installation is in the reverse order of removal.



## FRONT ENGINE COVER

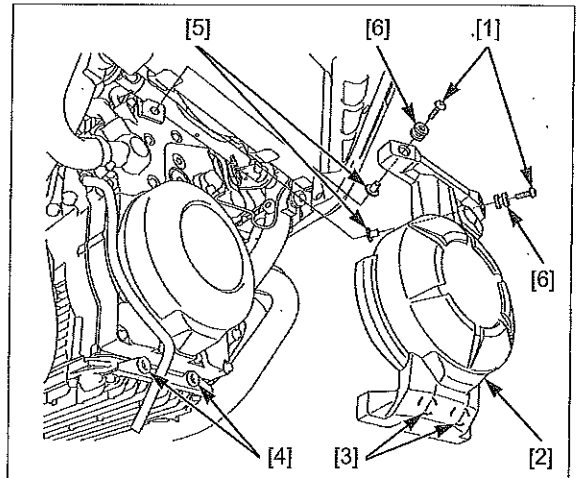
### REMOVAL/INSTALLATION

Remove the bolts [1].

Remove the front engine cover [2] by releasing bosses [3] from the grommets [4].

Remove the collars [5] and grommets [6] from the front engine cover.

Installation is in the reverse order of removal.



## ENGINE HEAT GUARD

### REMOVAL/INSTALLATION

#### LEFT:

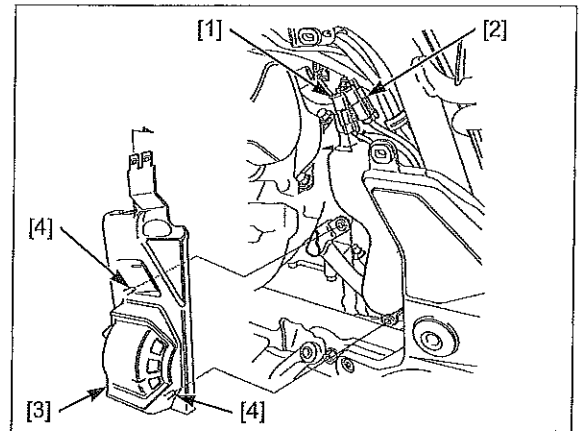
Remove the left side cover (page 2-5).

Release the following connectors:

- Sidestand switch 2P (Gray) [1]
- Left O<sub>2</sub> sensor 4P (Blue) [2]

Remove the left engine heat guard [3] by releasing bosses [4] from the grommets.

Installation is in the reverse order of removal.



## FRAME/BODY PANELS/EXHAUST SYSTEM

### RIGHT:

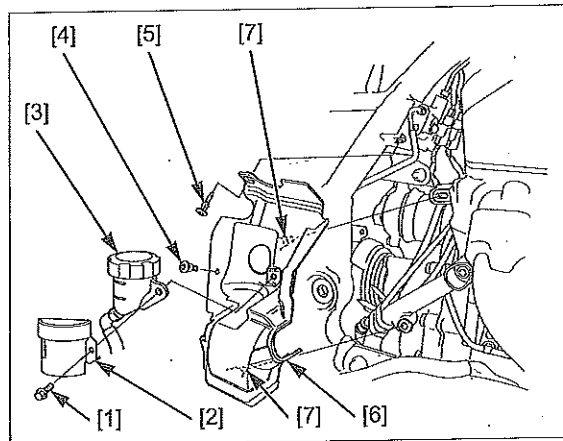
Remove the right step holder (page 2-15).

Remove the bolt [1], reservoir cover [2] and rear master cylinder reservoir [3].

Remove the socket bolt [4] and clip [5].

Remove the right engine heat guard [6] by releasing bosses [7] from the grommets.

Installation is in the reverse order of removal.



## TOP SHELTER

### REMOVAL/INSTALLATION

Remove the following:

- Side cover (page 2-5)
- Middle cowl (page 2-10)
- Left and right fairing pocket (page 2-10)

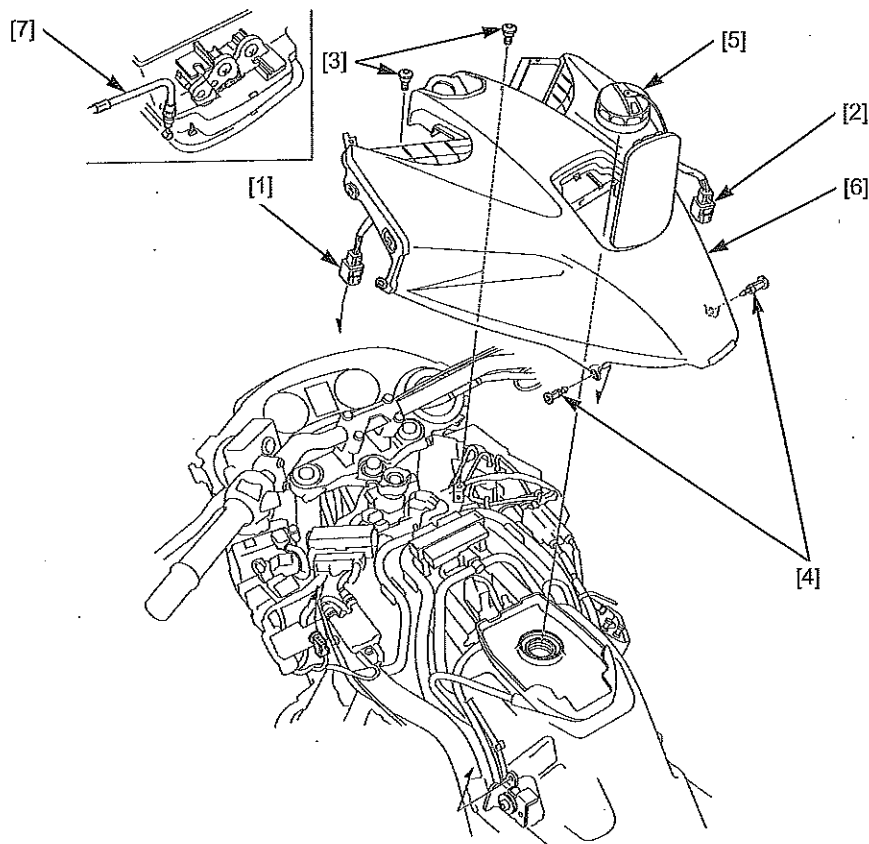
Disconnect the following connectors:

- Left switch panel 6P [1] (CTX1300A)
- Right switch panel 8P [2]

Remove the socket bolts [3] and clips [4].

Temporarily remove the tank cap [5], then remove the top shelter [6].

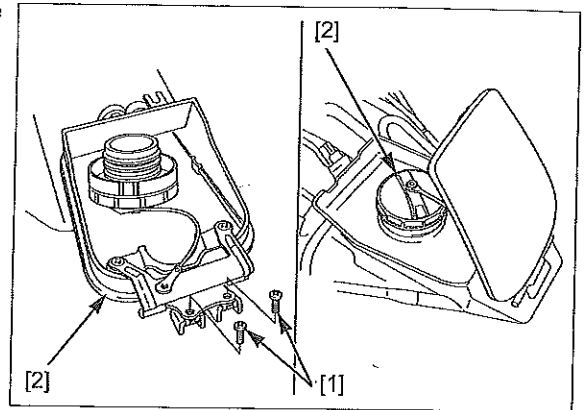
Release the fuel lid wire [7] from the top shelter.



Remove the screws [1] and fuel lid/tank cap [2] from the top shelter.

Reinstall the fuel lid/tank cap to the fuel tank.

Installation is in the reverse order of removal.



### DISASSEMBLY/ASSEMBLY

Remove the top shelter (page 2-14).

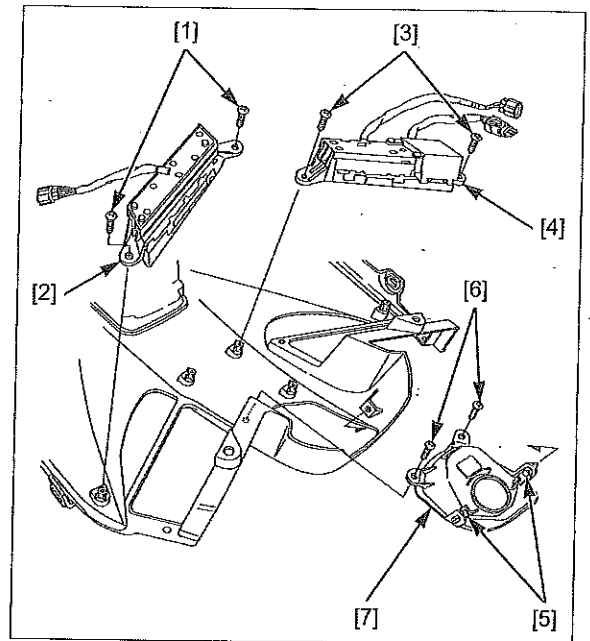
Remove the screws [1] and left switch panel [2].

Remove the screws [3] and right switch panel [4].

Release the clip [5].

Remove the screws [6] and front shelter cover [7].

Assembly is in the reverse order of disassembly.



## STEP HOLDER

### REMOVAL/INSTALLATION

Remove the following:

- Saddle bag (page 2-4)
- Muffler (page 2-16)

Remove the bolts [1].

Remove the step holder mounting bolts (Upper [2]/ lower [3]).

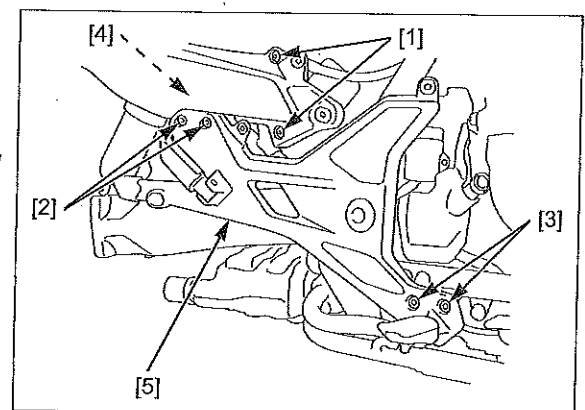
Release the rear cowl bosses [4] from the grommets.

Remove the step holders [5].

Installation is in the reverse order of removal.

#### TORQUE:

**Step holder mounting bolts (Upper/lower):**  
34 N·m (3.5 kgf·m, 25 lbf·ft)





# MUFFLER

## REMOVAL/INSTALLATION

Remove the socket bolt [1] and front muffer cover [2].

Loosen the muffler band bolt [3].

Remove the bolt [4], washer [5] and nut [6].

Remove the muffler [7] and muffler gasket [8].

Remove the grommets [9] and collar [10].

Installation is in the reverse order of removal.

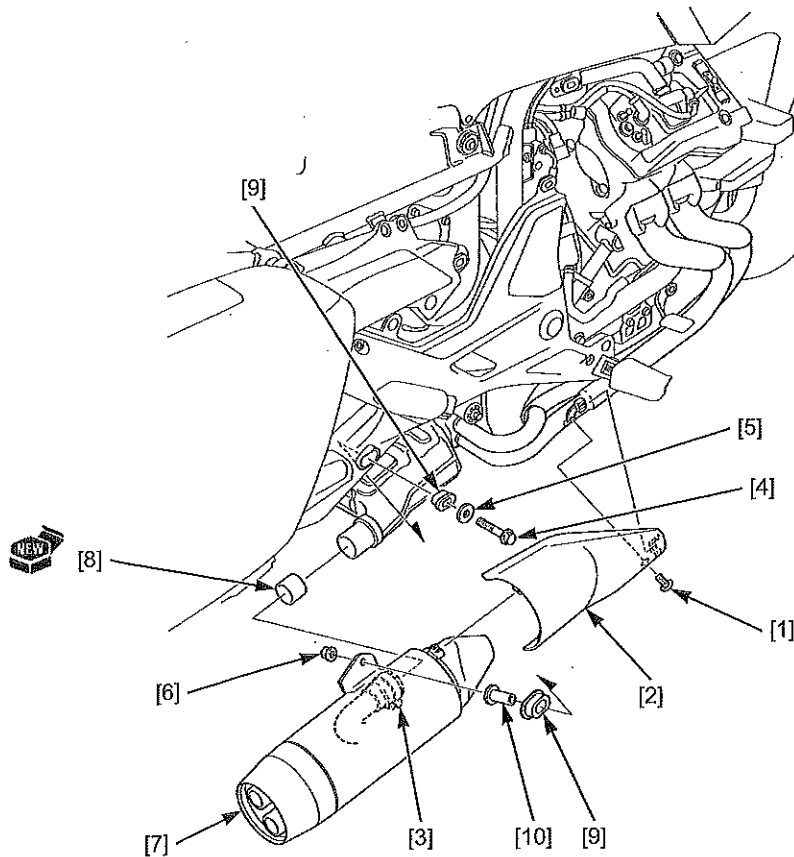
### TORQUE:

Muffler band bolt:

22 N·m (2.2 kgf·m, 16 lbf·ft)

### NOTE:

- Align the tabs with the front muffer cover grooves.



# EXHAUST PIPE

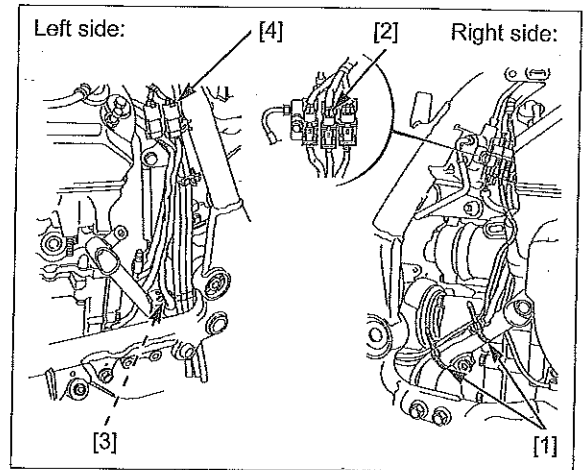
## REMOVAL/INSTALLATION

Remove the following:

- Muffler (page 2-16)
- Left and right engine heat guard (page 2-13)

*Right side:* Remove the wire bands [1].  
Disconnect the right O<sub>2</sub> sensor 4P (Black) connector [2].

*Left side:* Remove the radiator reserve tank (page 8-13).  
Release the O<sub>2</sub> sensor wire clip [3].  
Disconnect the left O<sub>2</sub> sensor 4P (Blue) connector [4].



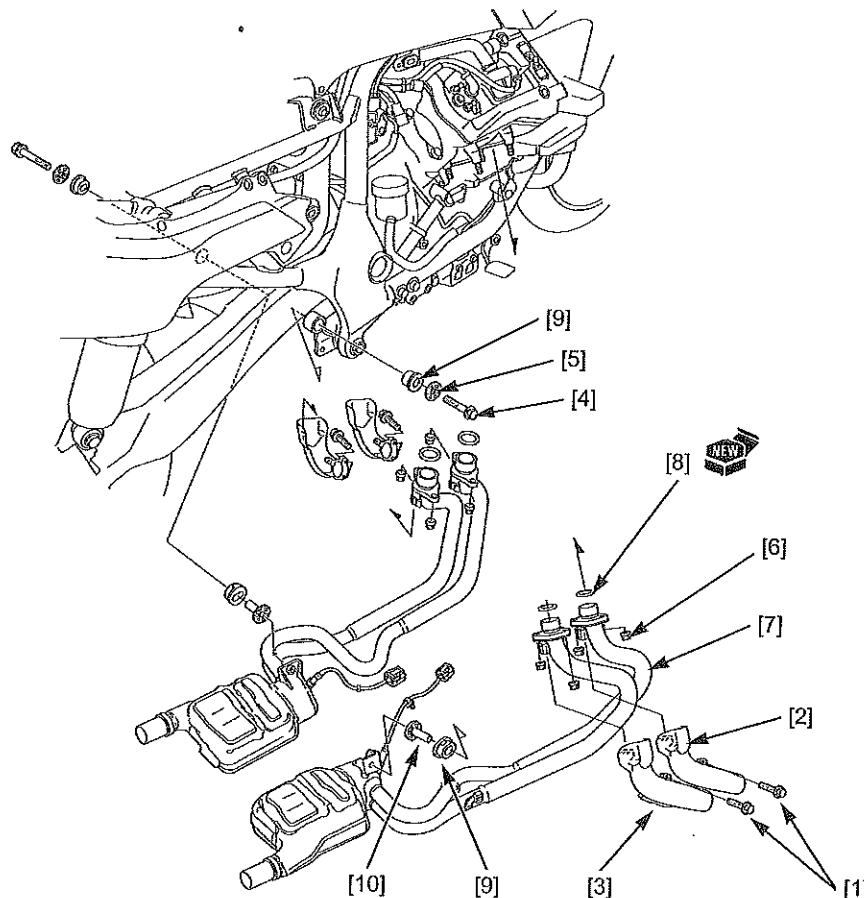
Remove the bolts [1], front exhaust covers [2] and rear exhaust covers [3].  
Remove the bolts [4] and washers [5].  
Remove the exhaust pipe joint nuts [6], exhaust pipes [7] and exhaust pipe gaskets [8].  
Remove the grommets [9] and collar [10].  
Installation is in the reverse order of removal.

### TORQUE:

**Exhaust pipe flange nut:**  
17 N·m (1.7 kgf·m, 12 lbf·ft)

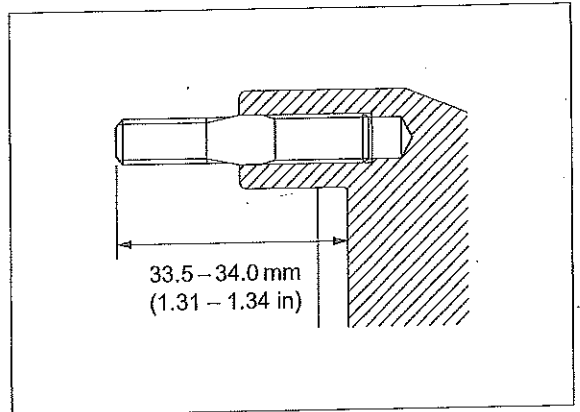
### NOTE:

- Align the tabs with the front and rear exhaust cover grooves.
- When installing the exhaust pipe, loosely install all of the exhaust pipe fasteners.
- Always tighten the exhaust pipe joint nuts first, then tighten the mounting fasteners.



## FRAME/BODY PANELS/EXHAUST SYSTEM

If the exhaust pipe stud bolts are loose, tighten them. Be sure to verify the distance from the top of the stud to the cylinder head as shown.



## HEAT GUARD RUBBER

### REMOVAL/INSTALLATION

Remove the throttle body (page 7-14).

Disconnect the battery negative (-) cable (page 19-6).

Remove the starter motor cable and ground cable (page 6-4).

Remove the bolts [1] and bands [2].

Release the heat guard rubber [3] from the starter motor [4].

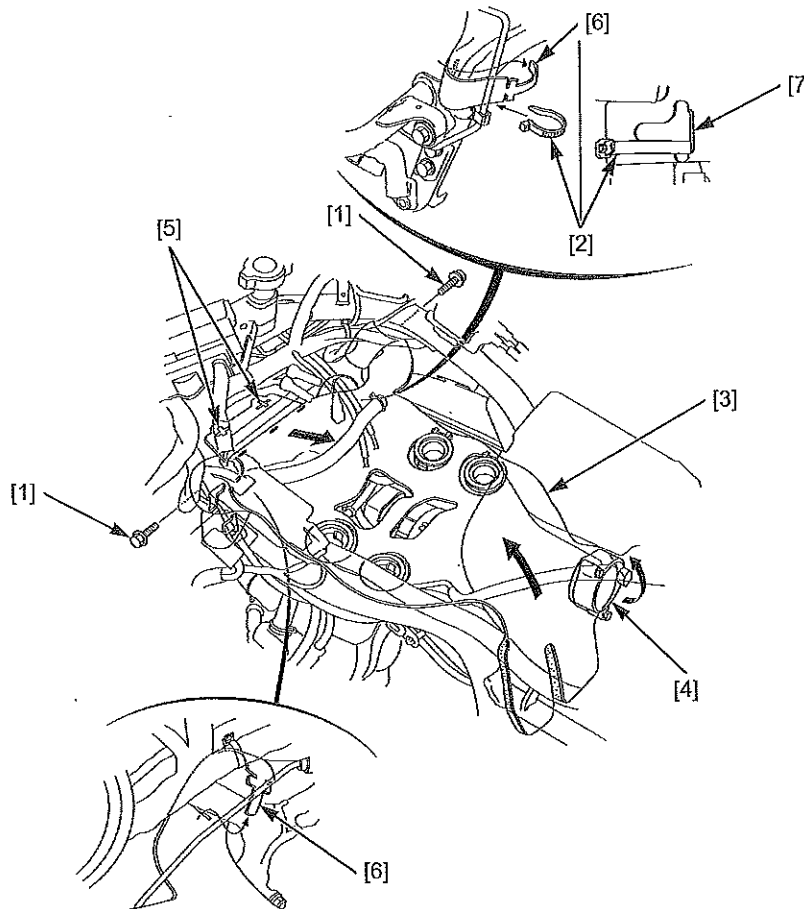
Remove the radiator upper and lower mounting bolt, then remove the radiator (page 8-11).  
Release the heat guard rubber slots [5] from the radiator.

Remove the heat guard rubber tabs [6] from the slit [7].

Installation is in the reverse order of removal.

#### NOTE:

- Install the band to the lower end of heat guard rubber slit.

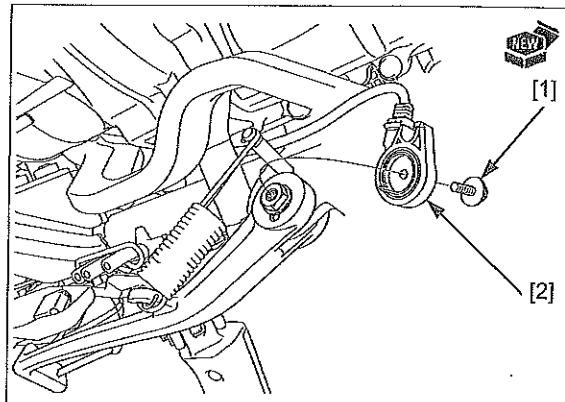


## SIDESTAND

### REMOVAL/INSTALLATION

Support the motorcycle securely using a hoist or equivalent.

Remove the sidestand switch bolt [1] and sidestand switch [2].



Retract the sidestand [1].

Unhook the sidestand springs [2].

Hold the sidestand pivot bolt [3] and remove the sidestand pivot nut [4].

Remove the sidestand pivot bolt and sidestand.

Installation is in the reverse order of removal.

#### NOTE:

- Apply grease to the sidestand pivot bolt sliding surface.
- When installing the sidestand springs, be careful about the direction as shown.
- Align the switch pin with the sidestand hole.
- Align the switch groove with the return spring holding pin.
- Install a new sidestand switch bolt.

#### TORQUE:

**Sidestand switch bolt:**

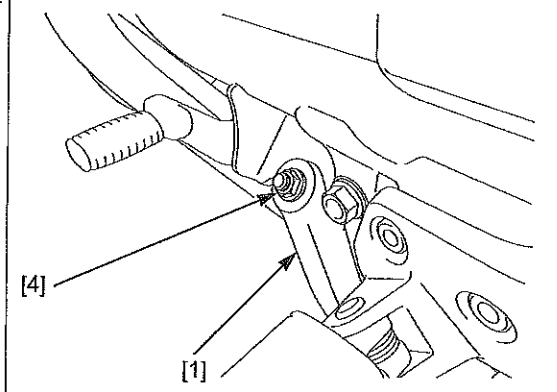
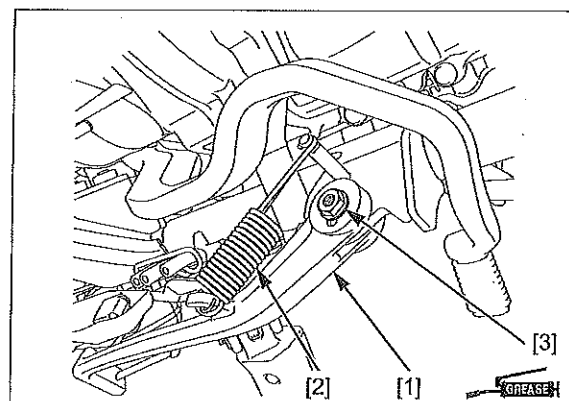
10 N·m (1.0 kgf·m, 7 lbf·ft)

**Sidestand pivot bolt:**

10 N·m (1.0 kgf·m, 7 lbf·ft)

**Sidestand pivot nut:**

29 N·m (3.0 kgf·m, 22 lbf·ft)



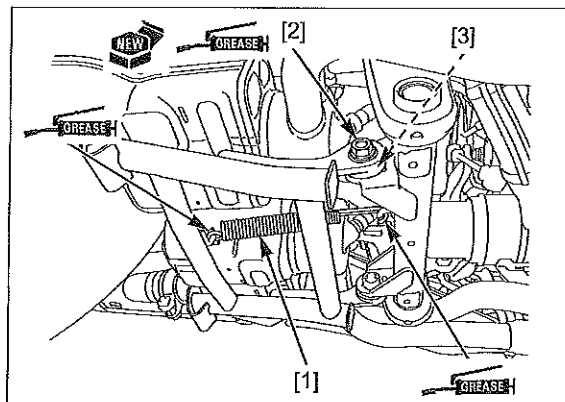
## CENTERSTAND (CM type)

### REMOVAL/INSTALLATION

Support the motorcycle securely using the hoist or maintenance stand.

Unhook the centerstand springs [1].

Remove the right centerstand pivot bolt [2] and collar [3].



## FRAME/BODY PANELS/EXHAUST SYSTEM

Remove the left centerstand pivot bolt [1] and collar [2].  
Remove the centerstand [3].  
Installation is in the reverse order of removal.

### TORQUE:

Left/right centerstand pivot bolt:  
54 N·m (5.5 kgf·m, 40 lbf·ft)

### NOTE:

- The right centerstand pivot bolt has left hand threads.
- Replace the left/right centerstand pivot bolt with a new one.
- Apply grease to the centerstand springs sliding surface and centerstand pivot bolt sliding surface.
- When installing the centerstand springs, be careful about the direction as shown.

