



**Spyder RT Oil Change (SM5) (Kit P/N 219 800 207)**  
**Spyder RT Oil Change (SE5) (Kit P/N 219 800 208)**

The following symbols may be used in this document:

**⚠ WARNING**

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

**⚠ CAUTION** Indicates a hazard situation which, if not avoided, could result in minor or moderate injury.

**NOTICE** Indicates an instruction which, if not followed, could severely damage vehicle components or other property.

**⚠ WARNING**

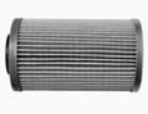







- For safety reasons, this kit must be installed by an authorized BRP dealer.
- This kit is designed for specific applicable models only (authorized BRP dealers will confirm model(s)). It is not recommended for units other than the one (those) for which it was sold.
- This instruction sheet **MUST** be given to the purchaser.
- Should removal of a locking device (e.g. lock tabs, self-locking fasteners, etc.) be required when undergoing disassembly/assembly, always replace with a new one.
- Torque wrench tightening specifications must strictly be adhered to.
- Always wear **EYE PROTECTION AND APPROPRIATE GLOVES** when using power tools.
- Unless otherwise specified, engine must be **OFF** when performing any operation on the vehicle.
- Always be aware of parts that can move, such as wheels, transmission components, etc.
- Some components may be **HOT**. Always wait for engine to cool down before performing work.

FASTENER SIZE	TORQUE TO BE USED WHEN TORQUES ARE NOT SPECIFIED IN TEXT			
	5.8 GRADE	8.8 GRADE	10.9 GRADE	12.9 GRADE
M4	1.8 ± 0.2 N•m (16 ± 2 lbf•in)	2.8 ± 0.2 N•m (25 ± 2 lbf•in)	3.8 ± 0.2 N•m (34 ± 2 lbf•in)	4.5 ± 0.5 N•m (40 ± 4 lbf•in)
M5	3.3 ± 0.2 N•m (29 ± 2 lbf•in)	5.0 ± 0.5 N•m (44 ± 4 lbf•in)	7.8 ± 0.7 N•m (69 ± 6 lbf•in)	9.0 ± 1.0 N•m (80 ± 9 lbf•in)
M6	7.5 ± 1.0 N•m (66 ± 9 lbf•in)	10.0 ± 2.0 N•m (89 ± 18 lbf•in)	12.8 ± 2.2 N•m (113 ± 19 lbf•in)	16.0 ± 2.0 N•m (142 ± 18 lbf•in)
M8	15.3 ± 1.7 N•m (135 ± 15 lbf•in)	24.5 ± 3.5 N•m (18 ± 3 lbf•ft)	31.5 ± 3.5 N•m (23 ± 3 lbf•ft)	40.0 ± 5.0 N•m (30 ± 4 lbf•ft)
M10	29 ± 3 N•m (21 ± 2 lbf•ft)	48 ± 6 N•m (35 ± 4 lbf•ft)	61 ± 9 N•m (45 ± 7 lbf•ft)	73 ± 7 N•m (54 ± 5 lbf•ft)
M12	52 ± 6 N•m (38 ± 4 lbf•ft)	85 ± 10 N•m (63 ± 7 lbf•ft)	105 ± 15 N•m (77 ± 11 lbf•ft)	128 ± 17 N•m (94 ± 13 lbf•ft)
M14	85 ± 10 N•m (63 ± 7 lbf•ft)	135 ± 15 N•m (100 ± 11 lbf•ft)	170 ± 20 N•m (125 ± 15 lbf•ft)	200 ± 25 N•m (148 ± 18 lbf•ft)
M16	126 ± 14 N•m (93 ± 10 lbf•ft)	205 ± 25 N•m (151 ± 18 lbf•ft)	255 ± 30 N•m (188 ± 22 lbf•ft)	305 ± 35 N•m (225 ± 26 lbf•ft)
M18	170 ± 20 N•m (125 ± 15 lbf•ft)	273 ± 32 N•m (201 ± 24 lbf•ft)	330 ± 25 N•m (243 ± 18 lbf•ft)	413 ± 47 N•m (305 ± 35 lbf•ft)

**NOTE:** The illustrations in this document show typical construction of the different assemblies and may not reproduce the full detail or exact shape of the parts; however, they represent parts that have the same or similar function.

Installation time is approximately **.7** hour.

**PARTS TO BE INSTALLED**

ITEM	P/N	DESCRIPTION	QTY	
			219 800 207	219 800 208
P1	420 956 745	Main Oil Filter 	1	1
P2	420 650 500	O-ring Main Oil Filter 	1	1
P3	705 500 506	Oil Tank Copper Washer 	1	1
P4	420 250 640	Drain Plug Copper Washer 	1	1
P5	293 600 122	XPS 4 Stroke Semi Synthetic Oil 3.78 L (1 U.S. gal.) 	1	1
P6	293 600 121	XPS 4 Stroke Semi Synthetic Oil 946 ml (1 qt (U.S. liq.)) 	1	2
P7	420 430 920	HCM O-ring 	0	1
P8	420 256 452	HCM Oil Filter 	0	1

## INSTRUCTIONS

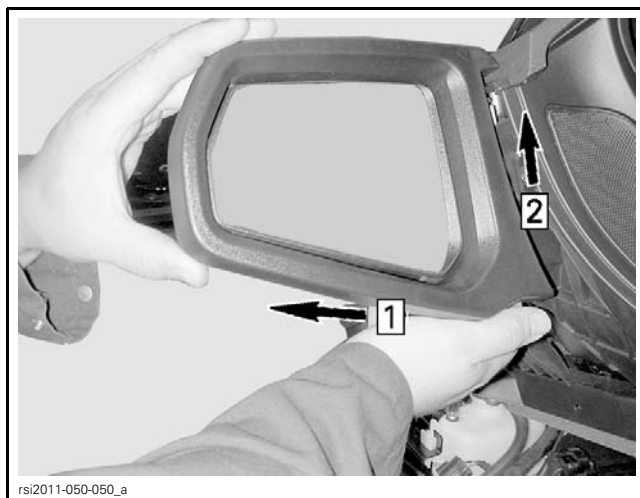
NOTE: Engine Oil and filter are meant to be replaced at the same time.

NOTE: Oil change should be done with a warm engine.

NOTE: Only remove LH side body parts for oil change procedure.

### Mirror Removal

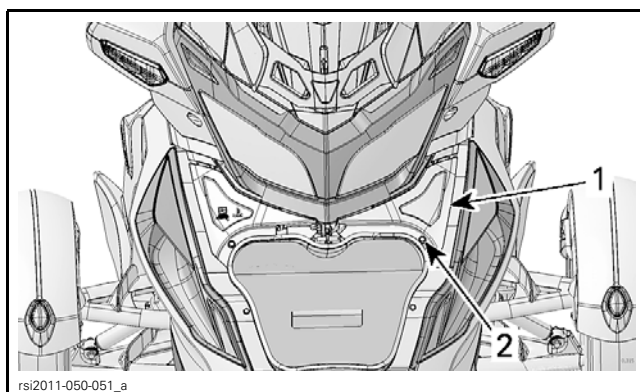
1. Pull lower part of mirror toward the outside to unlock it.
2. Slide mirror upwards to unhook it from upper slot.



Step 1: Pull toward the outside  
Step 2: Slide upwards

### Service Cover Removal

1. Open the front storage compartment cover.
2. Remove plastic rivet from service cover.



1. LH service cover  
2. Plastic rivet

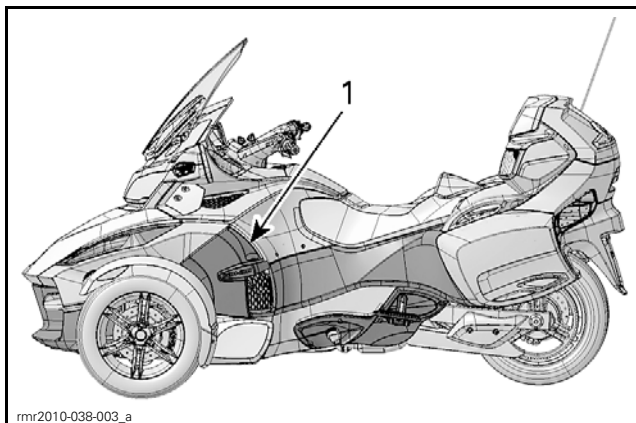
3. Pull down service cover using the recess to release upper tabs from the front fascia.



4. Lift service cover to remove it.

### Middle Side Panel Removal

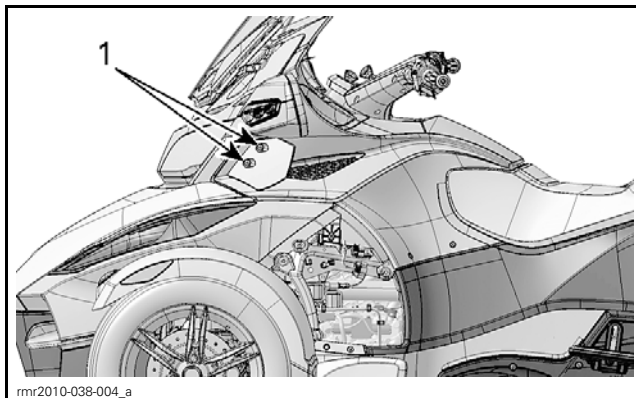
1. Pull panel toward the outside to remove it from grommets at the front then unhook the rear.



1. Middle side panel

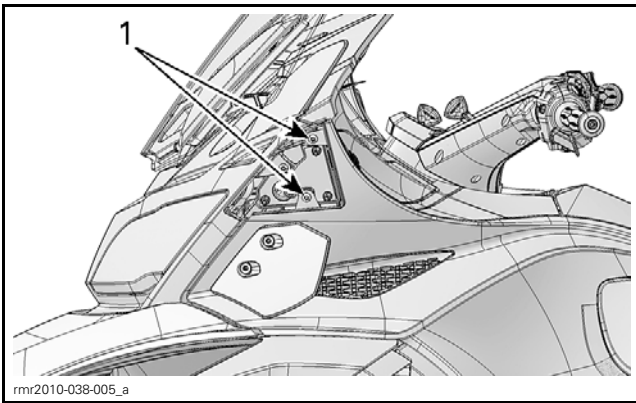
### Top Side Panel Removal

1. Lift seat.
2. Remove retaining screws from lower wind deflector.



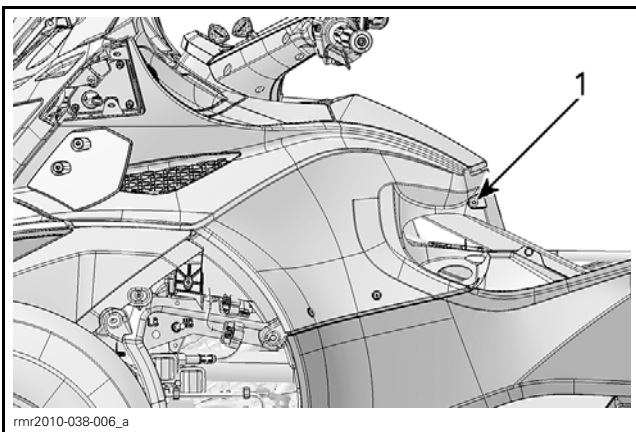
1. Retaining screws of wind deflector

3. Remove upper retaining screws from top side panel.



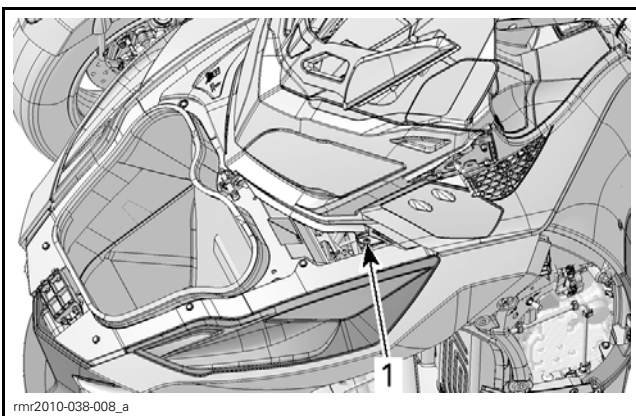
1. Upper retaining screws

4. Remove rear retaining screw from top side panel.



1. Rear retaining screw

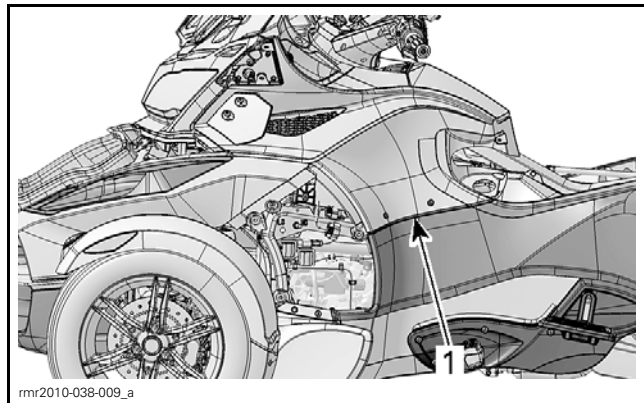
5. Remove front retaining screw from top side panel.



1. Front retaining screw

6. Remove lower retaining screws of top side panel.

7. Remove top side panel by lifting it upwards.

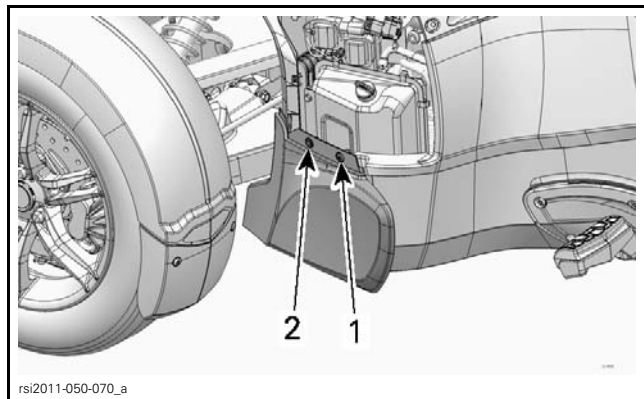


1. Top side panel

## Bottom Front Side Panel Removal

1. Remove upper retaining screw from panel.

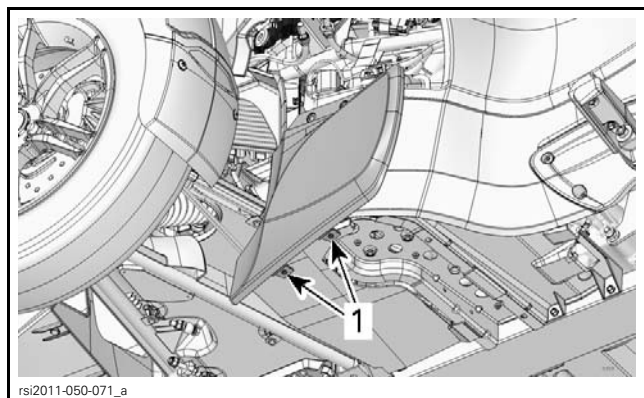
2. Remove upper plastic rivet from panel.



1. Upper retaining screw

2. Upper plastic rivet

3. From underneath panel, remove lower plastic rivets.



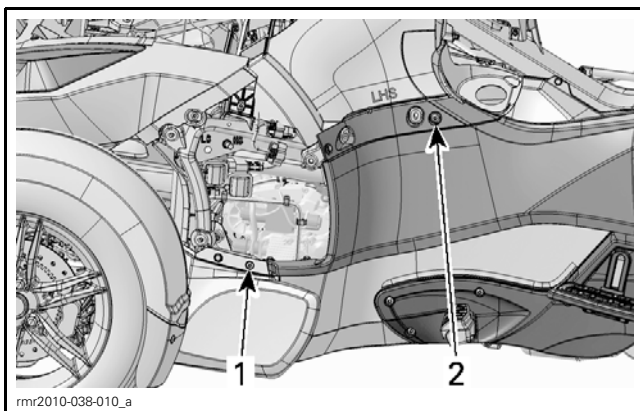
1. Lower plastic rivets

4. Remove bottom front side panel from vehicle.

## Rear Side Panel Removal

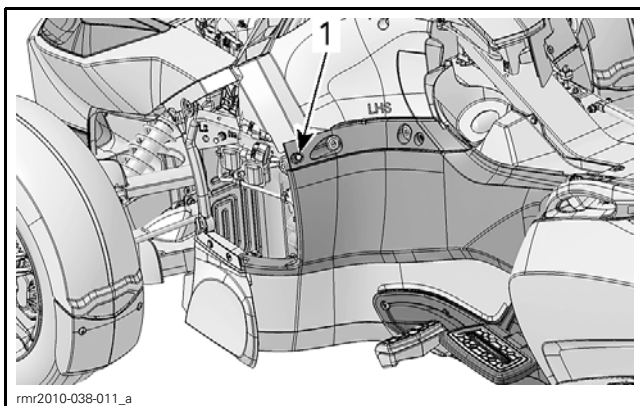
1. Remove front retaining screw of rear side panel.

- Remove upper retaining screw and washer from rear side panel.



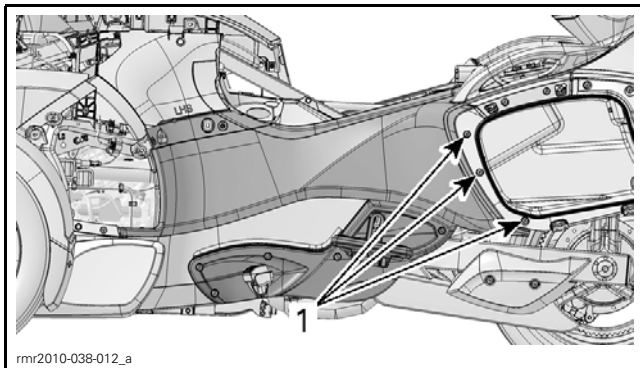
- Front retaining screw
- Upper retaining screw

- Remove front plastic rivet from rear side panel.



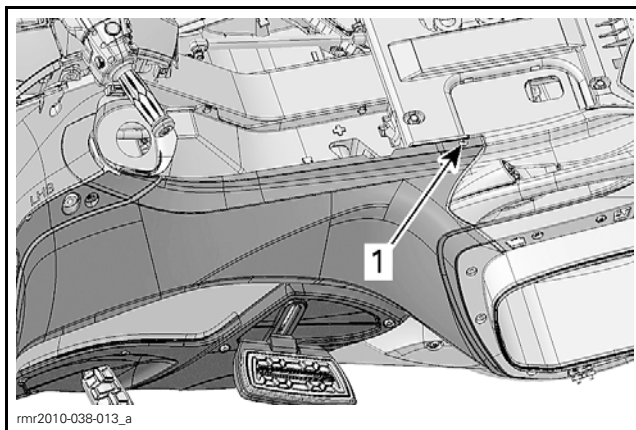
- Front plastic rivet

- Open side storage compartment cover.
- Remove rear retaining screws from rear side panel.



- Rear retaining screws

- Remove top retaining screw of rear side panel.

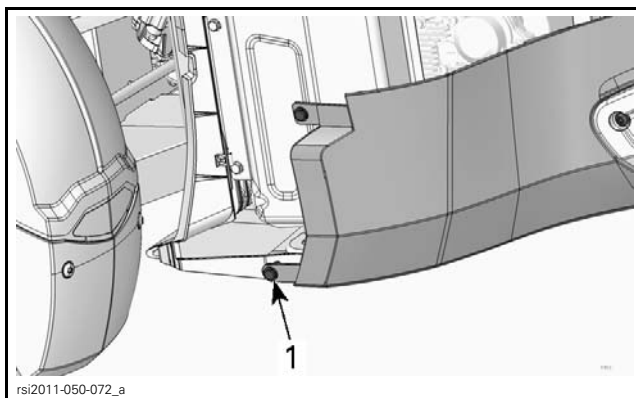


- Top retaining screw

- Remove rear side panel from vehicle.

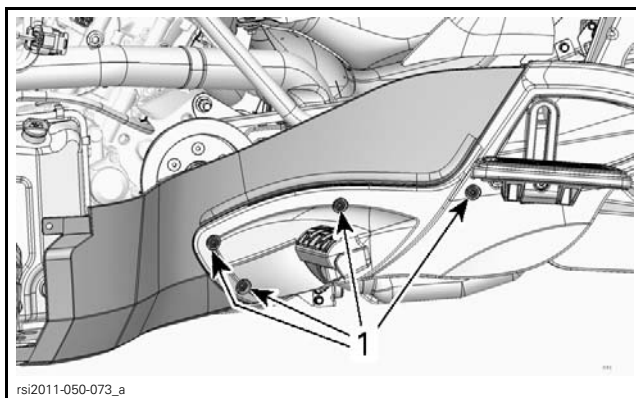
## Bottom Rear Side Panel Removal

- Remove front plastic rivet from bottom rear side panel.



- Front plastic rivet

- Remove retaining screws from bottom rear side panel.



- Retaining screws

- Remove bottom rear side panel from vehicle.

## Engine Oil Change

*For all models*

**NOTICE** Park vehicle on a level surface.

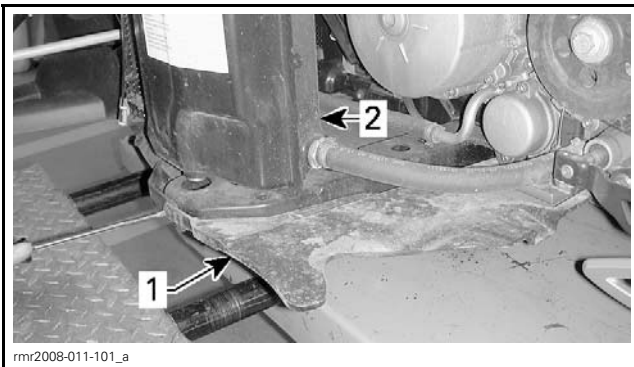
**NOTICE** Engine Oil and filter must be replaced at the same time. Oil change should be carried out with a warm engine.

**CAUTION** Engine oil can be very hot.

1. Place a drain pan under the engine big enough to cover all openings (reservoir, engine and both filters).

**NOTICE** If such a drain pan is not available, proceed with the openings one by one (reservoir, engine, and both filters), and allow for sufficient time for oil to completely drain out of vehicle, close opening (see text below for torque values) and proceed with the next opening.

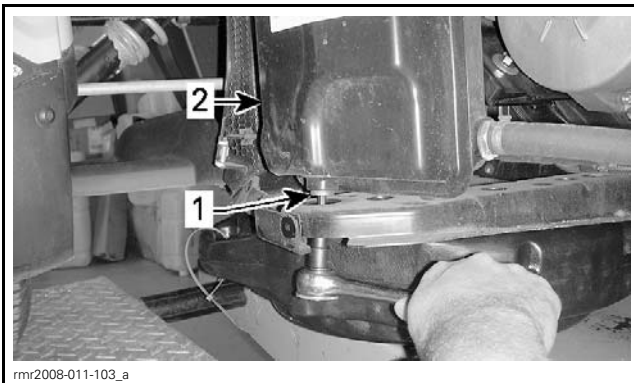
2. Remove the bottom plate under oil tank.



**TYPICAL**  
1. Bottom plate  
2. Oil tank

3. Clean area around drain plug under oil tank.

4. Remove the reservoir drain plug and discard the sealing washer.

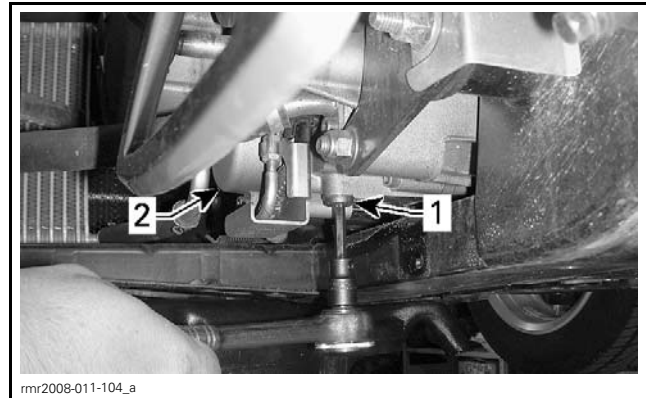


**TYPICAL**  
1. Reservoir drain plug  
2. Oil tank

5. Remove the dipstick.

6. Clean area around engine drain plug.

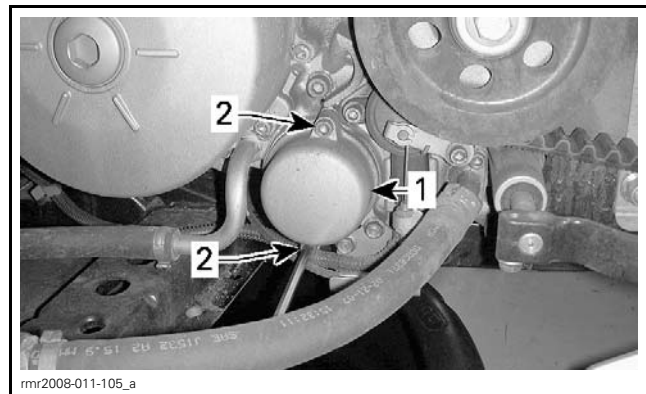
7. Remove the engine oil drain plug and discard the sealing washer.



**TYPICAL**  
1. Engine oil drain plug  
2. Oil filter cover

8. Remove Engine Oil filter

8.1 Remove oil filter cover screws.



**TYPICAL**  
1. Oil filter cover  
2. Cover screws

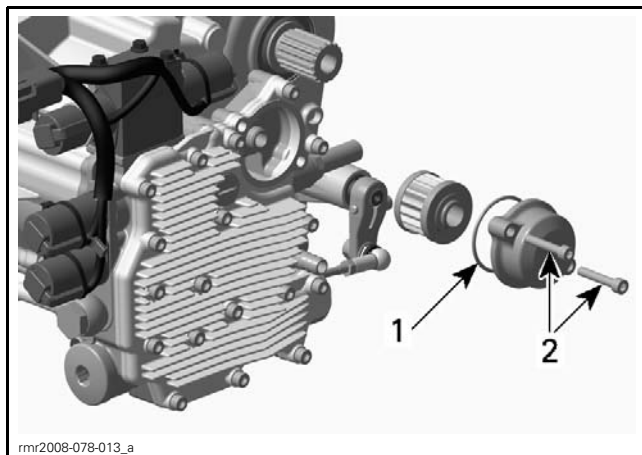
8.2 Remove oil filter cover with O-ring. Discard O-ring.

8.3 Remove oil filter.

*For SE5 models*

1. Remove HCM filter

1.1 Remove oil filter cover screws.



1. Oil filter cover
2. Cover screws

1.2 Remove oil filter cover with O-ring. Discard O-ring.

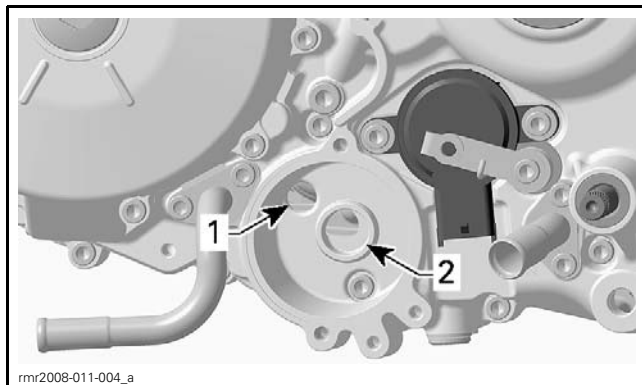
1.3 Remove oil filter.

#### For all models

1. Allow sufficient time for oil to completely drain out of vehicle.
2. Dispose of oil and filters as per your local environmental regulations.
3. Clean the magnet on the engine drain plug.
4. Using sealing washers [P3] and [P4], install engine and oil tank drain plugs.

**NOTICE** Never reuse the drain plug sealing washer. Always replace it with a new one.

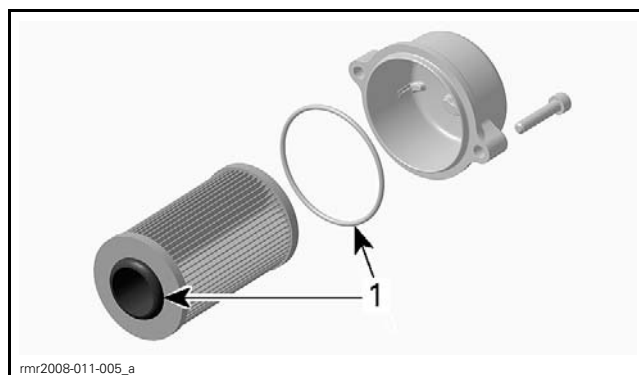
5. Torque drain plugs (engine and oil tank)  $20 \text{ N}\cdot\text{m} \pm 2 \text{ N}\cdot\text{m}$  ( $15 \text{ lbf}\cdot\text{ft} \pm 1 \text{ lbf}\cdot\text{ft}$ ).
6. Install new engine oil filter [P1]
  - 6.1 Installation is the reverse of the removal procedure. However, pay attention to the following.
  - 6.2 Check and clean the oil inlet and outlet orifices in crankcase for dirt and contaminants.



#### TYPICAL

1. Oil inlet orifice from oil pressure pump
2. Oil outlet orifice to engine lubrication system

- 6.3 Install a O-ring [P2] on the oil filter cover.
- 6.4 To ease assembly and prevent displacement of the O-ring during installation, slightly oil filter and O-ring, refer to following illustration.

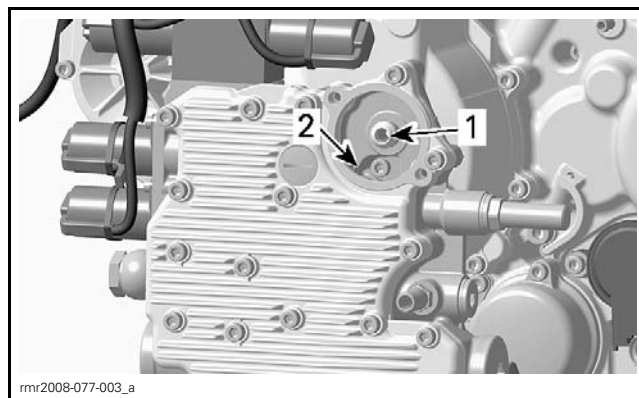


1. Apply oil here

- 6.5 Torque screws to  $11 \text{ N}\cdot\text{m} \pm 2 \text{ N}\cdot\text{m}$  ( $97 \text{ lbf}\cdot\text{in} \pm 18 \text{ lbf}\cdot\text{in}$ ).

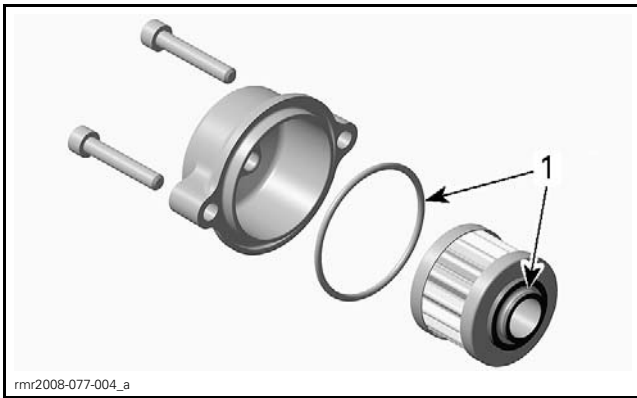
#### For SE5 models

1. Install new HCM filter [P8]
  - 1.1 The installation is the reverse of the removal procedure. Pay attention to the following.
  - 1.2 Check and clean the oil inlet and outlet orifices in hydraulic control module for dirt and contaminations.



1. Oil outlet orifice to the hydraulic control module lubrication system
2. Oil inlet orifice to the oil pump

- 1.3 Install a O-ring [P7] on oil filter cover.
- 1.4 To ease assembly and prevent displacement of the O-ring during installation, slightly oil filter and O-ring, refer to following illustration.



1. Apply lubricant here

1.5 Torque screws to 11 N•m ± 2 N•m (97 lbf•in ± 18 lbf•in).

**For all models**

1. Pour 3 L (3.2 qt (U.S. liq.)) of oil [P5] into oil tank.
2. Start engine and **let idle for two minutes**

**NOTICE** Do not rev up engine during idling period as this may cause permanent engine damage.

**NOTICE** Ensure oil pressure warning lamp goes out within 5 seconds from engine start. If oil pressure warning lamp stays ON for more than 5 seconds, STOP ENGINE and recheck oil level.

3. Ensure oil filter cover, engine drain plug and oil tank drain plug are not leaking.
4. Stop engine.

**NOTE:** The oil level dipstick is accurate when the oil temperature is at 80°C (176°F). If the oil level is checked when the oil is at room temperature (20°C (68°F)), the proper oil level indication is half way between the lower (ADD) and upper (F) marks on the dipstick. This must be considered to prevent overfilling the oil tank.

5. Pour an additional quantity of oil in the oil tank according to the vehicle model as shown in table below. Do not exceed maximum quantity allowed.

MODEL	ADDITIONAL QTY	TOTAL QTY
SM5	0.9 L (1 qt (U.S. liq.))	3.9 L (4.1 qt (U.S. liq.))
SE5	1.2 L (1.3 qt (U.S. liq.))	4.3 L (4.5 qt (U.S. liq.))

6. Check oil level immediately and adjust if required.

## Engine Oil Level Verification

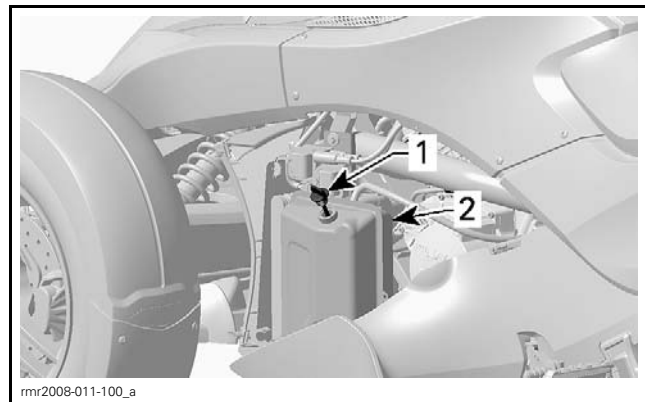
**NOTICE** To obtain a precise reading of the engine oil level, follow this procedure and make sure engine is at normal operating temperature.

With the engine already at normal operating temperature, start engine and let it run for at least 30 seconds.

**NOTE:** Running engine for at least 30 seconds allows the suction oil pump to drain the oil from the engine crankcase back into the oil tank. Not carrying out this step could result in overfilling the engine oil.

Stop engine.

Unscrew and remove the oil dipstick.



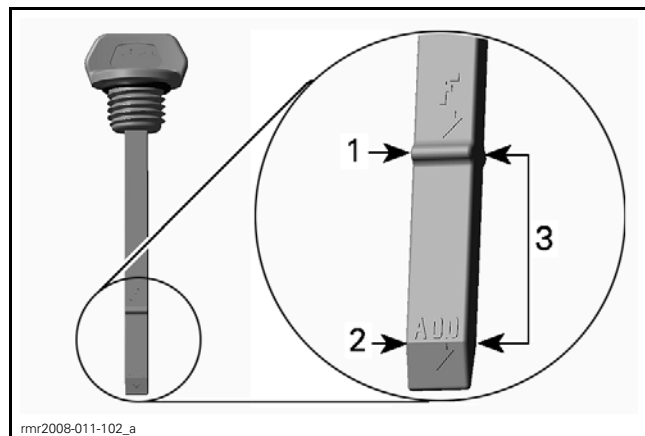
1. Oil dipstick  
2. Oil tank

Wipe off the dipstick.

Reinsert and completely screw in the dipstick to assure an accurate reading.

Unscrew and remove the dipstick again.

Check the oil level on the dipstick. It should be near or equal to the upper mark.



1. Full  
2. Add  
3. Operating range



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## Oil Level is at or Near Upper Mark

Properly insert and tighten dipstick.  
Install the LH middle side panel.

## Oil Level is Under Operating Range

Add a small amount of recommended oil.  
**NOTE:** The oil quantity between ADD mark and "F" mark is 0.5 L (.5 qt (U.S. liq.)).  
Recheck oil level.  
Repeat the above steps until oil level reaches the dipsticks upper (F) mark. **Do not overfill.**  
Properly insert and tighten dipstick.  
Install the LH middle side panel.

## Bottom Rear Side Panel Installation

The installation is the reverse of the removal procedure. However, pay attention to the following.  
Torque bottom side panel retaining screws to  $2.5 \text{ N}\cdot\text{m} \pm .5 \text{ N}\cdot\text{m}$  (22 lbf•in  $\pm$  4 lbf•in).

## Rear Side Panel Installation

The installation is the reverse of the removal procedure. However, pay attention to the following.  
Torque rear side panel retaining screws to  $2.5 \text{ N}\cdot\text{m} \pm .5 \text{ N}\cdot\text{m}$  (22 lbf•in  $\pm$  4 lbf•in).

## Bottom Front Side Panel Installation

The installation is the reverse of the removal procedure.

## Top Side Panel Installation

The installation is the reverse of the removal procedure. However, pay attention to the following.  
Torque top side panel retaining screws to  $2.5 \text{ N}\cdot\text{m} \pm .5 \text{ N}\cdot\text{m}$  (22 lbf•in  $\pm$  4 lbf•in).

## Middle Side Panel Installation

The installation is the reverse of the removal procedure.

## Service Cover Installation

The installation is the reverse of the removal procedure.

## Mirror Installation

The installation is the reverse of the removal procedure.