

BODY

SERVICE TOOLS

Description	Part Number	Page
CONSOLE NUT WRENCH	529 036 183	409
SUPERTANIUM DRILL BIT 3/16".....	529 031 800	410–412

SERVICE TOOLS – OTHER SUPPLIER

Description	Part Number	Page
ARROW TACKER	T-50	413

GENERAL

CLEANING

Seat Cleaning

It is recommended to clean the seat with a solution of warm soapy water, using a soft clean cloth.

NOTICE Avoid use of harsh detergents such as strong soaps, degreasing solvents, abrasive cleaners, paint thinners, etc. that may cause damage to the seat cover.

Plastic Cleaning

Clean the vehicle thoroughly, removing all dirt and grease accumulation.

To clean use a soft clean cloth and either soapy water or isopropyl alcohol.

To remove grease, oil or glue use isopropyl alcohol.

NOTICE Do not apply isopropyl alcohol or acetone directly on decals.

Follow these recommendations to protect the glossy finish of polypropylene parts.

Apply a non abrasive wax on glossy finish only.

Non Compatible Cleaning Products

NOTICE Polypropylene is not compatible with PETROLEUM BASE PRODUCTS. Contact with petroleum base products, such as cleaners or lubricants will permanently alter the glossy finish of polypropylene parts.

NOTICE The following products must not be applied on the plastic components used on the vehicles:

- Gasoline
- Brake fluid

- Kerosene
- Diesel fuel
- Lighter fluid
- Varsol
- Naphtha
- Acetone
- Strong detergents
- Abrasive cleaners
- Waxes containing an abrasive or a cleaning agent in their formula.

MATERIAL TYPE	NON-COMPATIBLE CLEANING PRODUCTS
Polypropylene	ANY PETROLEUM BASE CLEANING PRODUCTS
	XP-S ATV Finishing Spray (P/N 219 701 704)
	XP-S ATV Cleaning Kit (P/N 219 701 713) (it contains the above XP-S ATV Finishing Spray)

Section 07 CHASSIS

Subsection 04 (BODY)



DO NOT USE ON POLYPROPYLENE

Compatible Cleaning Products

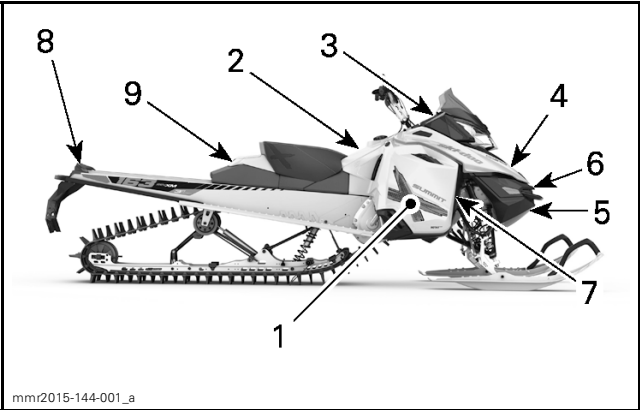
MATERIAL TYPE	COMPATIBLE CLEANING PRODUCT
Polypropylene	XPS ATV Wash (P/N 219 701 702)
	Soapy water



SAFE FOR POLYPROPYLENE

BODY PARTS REPAIR

The very first step before repairing plastic materials is to find out exactly which type of material is involved.



PLASTIC PARTS		
PARTS		MATERIAL
1	Side panel	Polypropylene
2	Console	Surlyn
3	Gauge support	Polypropylene with glass fiber
4	Hood	Center section: Polypropylene Side section: Surlyn
5	Front bottom pan and side bottom pan	Polypropylene
6	Bottom pan cover	Polypropylene
7	Side bottom pan	Polypropylene
8	Tail light support	Polypropylene
9	Seat storage compartment	Polypropylene

NOTICE Some repair products are not compatible with certain plastics.

WARNING
Polycarbonate windshields must never be repaired by welding or otherwise.

The following company provides a complete line of products to repair plastic materials:

CREST INDUSTRIES, INC.
Trenton, MI 48183
Phone: 734 479-4141
Toll Free: 1 800 822-4100
Fax: 734 479-4040
E-Mail: info@crestauto.com
www.crestauto.com

PROCEDURES

NOTE: The same procedure applies for RH and LH side. Most of the time, only one side is described in this subsection.

DECAL

Decal Replacement

- 1. To remove a decal; heat old decal with a heat gun (low temperature) and peel off slowly.
- 2. Using isopropyl alcohol, clean the surface and dry thoroughly.

NOTICE Do not apply isopropyl alcohol or solvent directly on decals. Use only in a well ventilated area.

- 3. Just before beginning to affix the new decals, wipe the surface with a clean damp cloth and allow to dry.
- 4. Use a pallet to affix the decal. Always work from the center towards the edges.

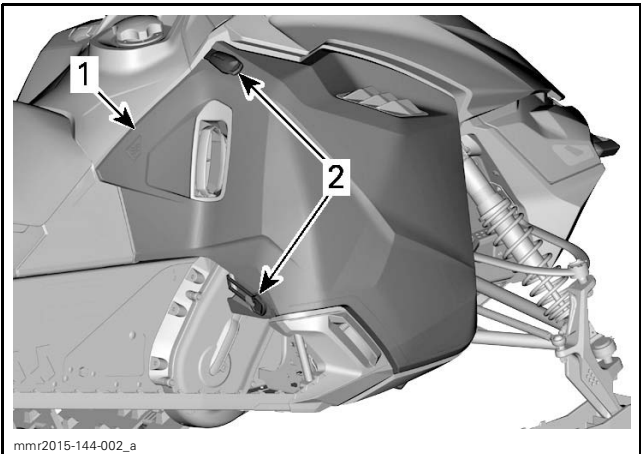
NOTICE Do not remove the pre-mask yet.

- 5. Once the decal is correctly affixed, carefully make a final pass with the pallet. Apply enough pressure to make sure the glue sticks well on the surface.
- 6. Remove the pre-mask.

SIDE PANEL

Side Panel Removal

- 1. Unhook both rubber latches.
- 2. Firmly pull the upper latch upwards.



RH SIDE SHOWN

- 1. Side panel
- 2. Upper and lower latch

- 3. Open side panel.

- 4. Lift up the side panel and move the lower hinge out of its slot.
- 5. Free the upper hinge from its slot by lowering the side panel.

NOTICE Make sure to place panels in a safe place to avoid scratching.

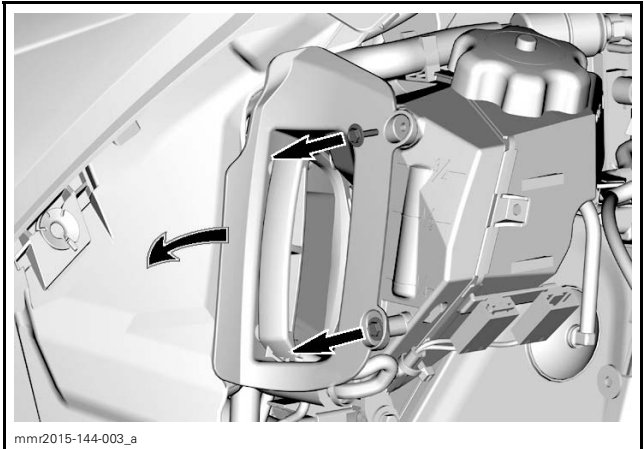
Side Panel Installation

The installation is the reverse of the removal procedure.

REWIND STARTER HANDLE HOUSING

Rewind Starter Handle Housing Removal

- 1. Open RH side panel.
- 2. Remove screws retaining housing to oil reservoir.
- 3. Pull on housing to release it from oil reservoir.



- 4. Remove rewind starter handle. Refer to *REWIND STARTER* subsection.

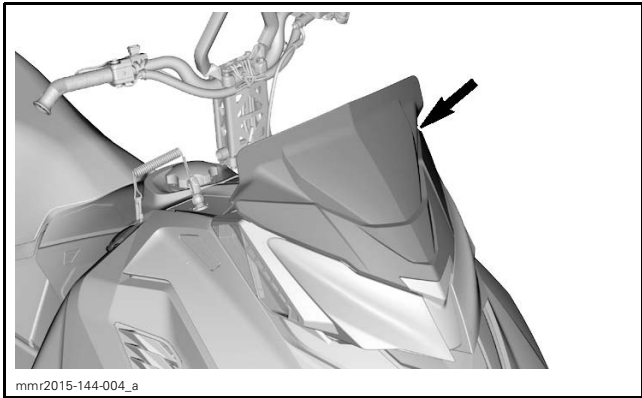
Rewind Starter Handle Housing Installation

Installation is the reverse of removal procedure. Pay attention to the following.

Push vigorously handle housing toward oil reservoir. Ensure it is properly set in place before installing hardware.

PART	TORQUE
Rewind starter handle housing screw	1 N•m (9 lbf•in)

WINDSHIELD



Windshield Removal

Place your hands on each side of windshield.
Pull the windshield until its pins come out of rubber grommets then pull in the center to remove center pin from grommet.

Windshield Installation

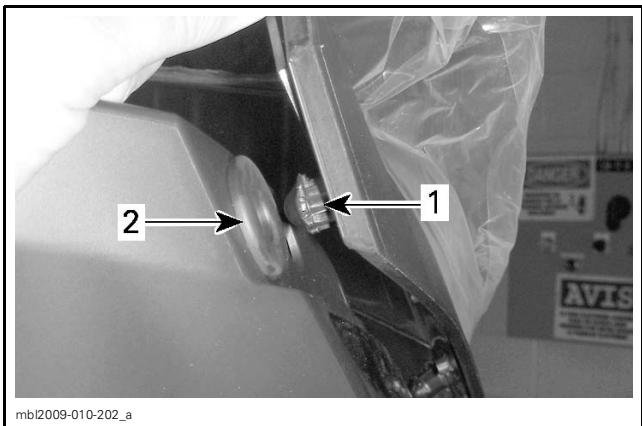
The installation is the reverse of removal procedure.

Lubricate the grommets using soapsuds.

NOTICE Do not lubricate grommets with any type of grease.

Secure windshield by inserting the windshield pins into the grommets.

NOTE: Make sure not to push grommets through gauge support holes.

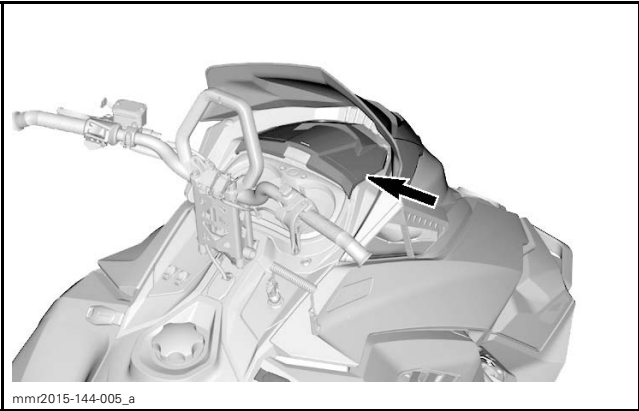


TYPICAL
1. Windshield tab
2. Gauge support front grommet

⚠ WARNING

Make sure that handlebar turns freely in both directions. Make sure that there is no contact at any time between handlebar wind deflectors (if so equipped) and windshield.

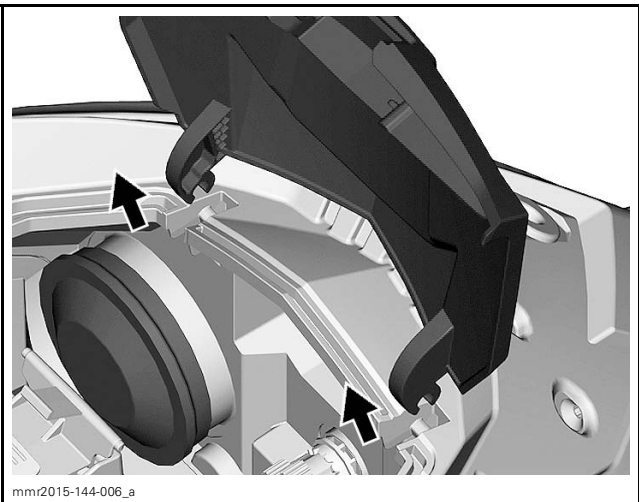
STORAGE COMPARTMENT COVER

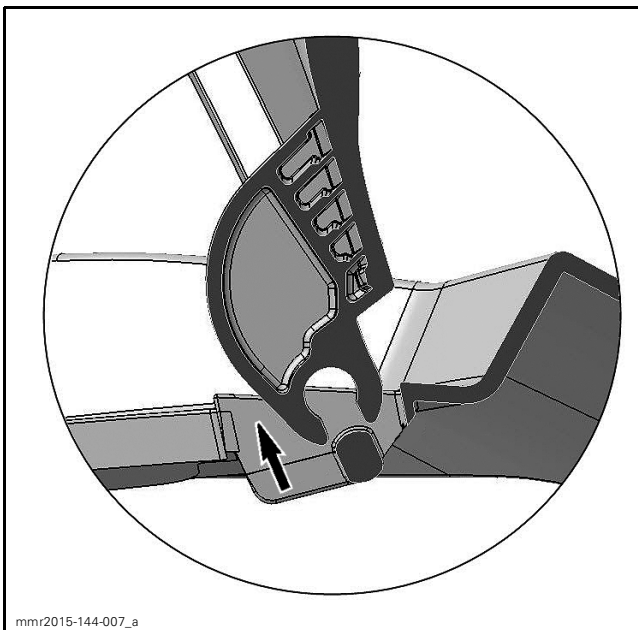


Storage Compartment Cover Removal

NOTICE First remove windshield. Otherwise, the storage cover could be damaged during removal.

1. Remove windshield.
2. Open storage cover until it is almost vertical.
3. Pull out storage cover.

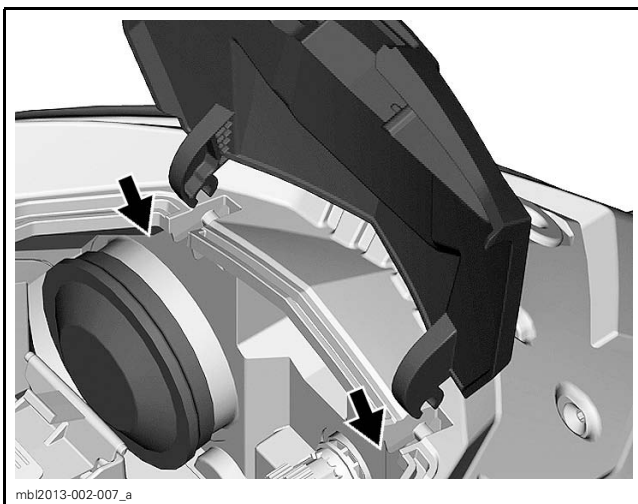




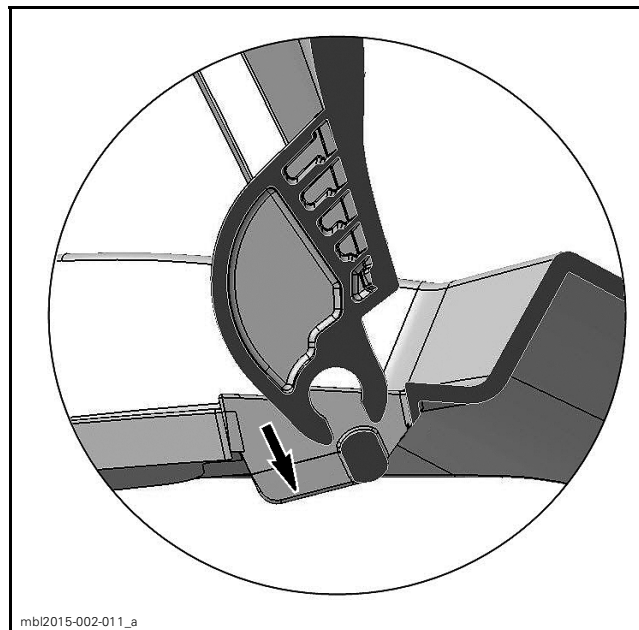
Storage Compartment Cover Installation

NOTICE Ensure windshield is NOT installed. Otherwise, the storage cover could be damaged during installation.

1. Position storage cover.

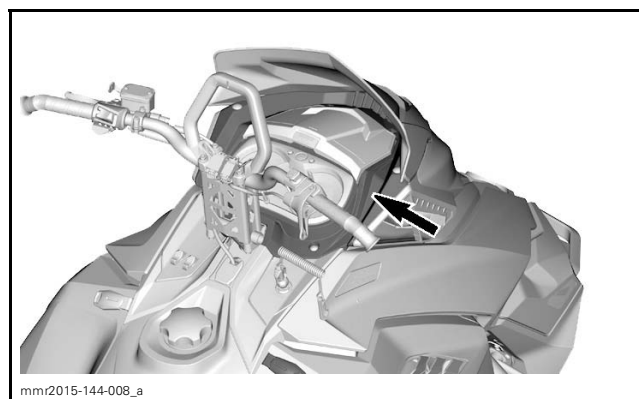


2. Insert cover onto pivot pins.



3. Close and latch cover.
4. Install windshield.

GAUGE SUPPORT



Gauge Support Removal

1. Remove *WINDSHIELD*. See procedure in this subsection.
2. Remove the multifunction gauge. Refer to *LIGHTS, GAUGE AND ACCESSORIES* subsection.
3. Remove the gauge support screws.

Section 07 CHASSIS

Subsection 04 (BODY)



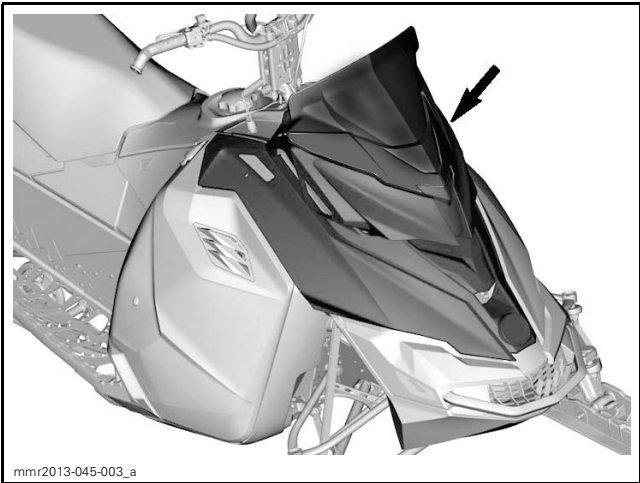
4. Pull out gauge support.

Gauge Support Installation

The installation is the reverse of removal procedure.

PART	TORQUE
Gauge support screws	2.3 N•m (20 lbf•in)

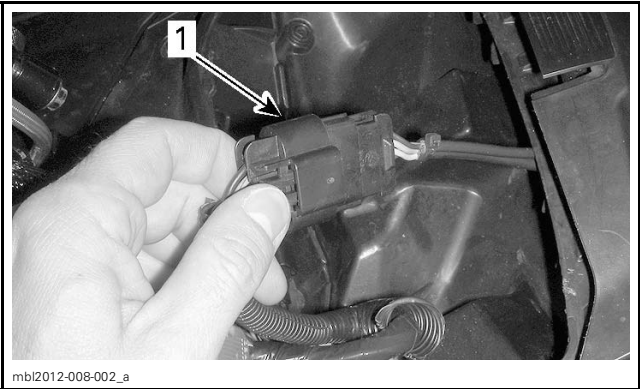
UPPER BODY MODULE



Upper Body Module Removal

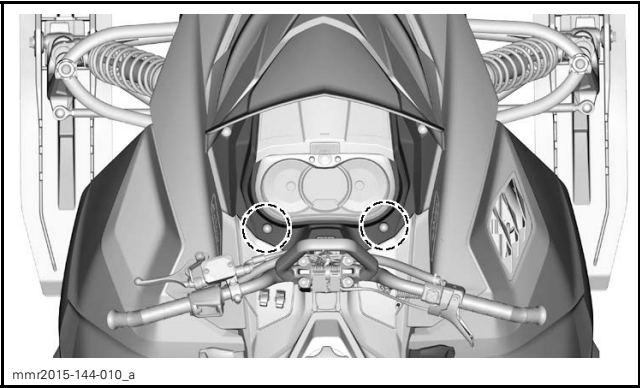
NOTE: Upper body module can be removed with the windshield and gauge support installed as described in this procedure.

1. Remove the multifunction gauge. Refer to *LIGHTS, GAUGE AND ACCESSORIES* subsection.
2. Disconnect the headlight connector.

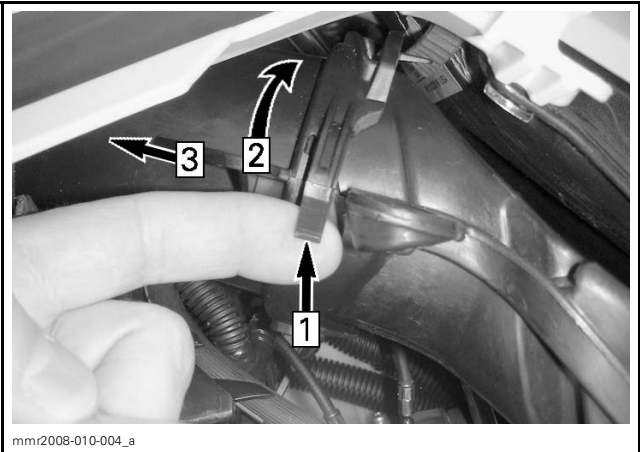


1. Headlights connector

3. Remove gauge support rear screws.

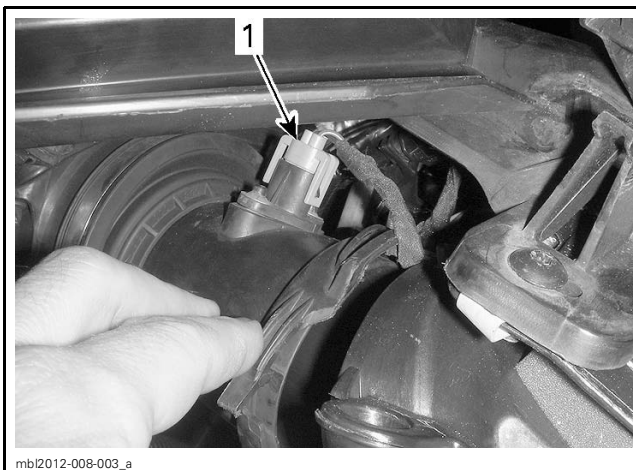


4. Remove *SIDE PANELS*. See procedure in this subsection.
5. Remove the drive belt guard.
6. Disconnect the air intake connector tube.



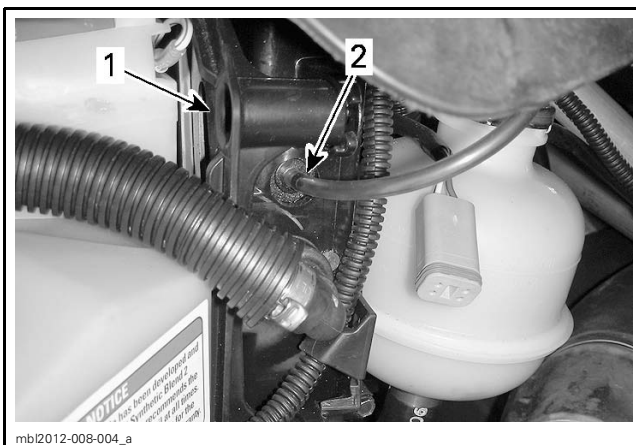
LH SIDE SHOWN
Step 1: Lift tab
Step 2: Twist tube
Step 3: Pull forward

7. Disconnect air temperature sensor (ATS) on top of connector tube.



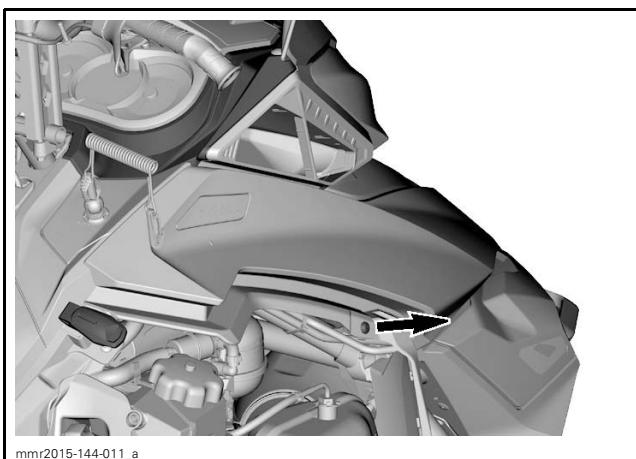
LH SIDE SHOWN
1. ATS connector

8. Disconnect the APS hose at the ECM.



RH SIDE SHOWN
1. ECM
2. APS hose

9. Remove the upper body module retaining screws.



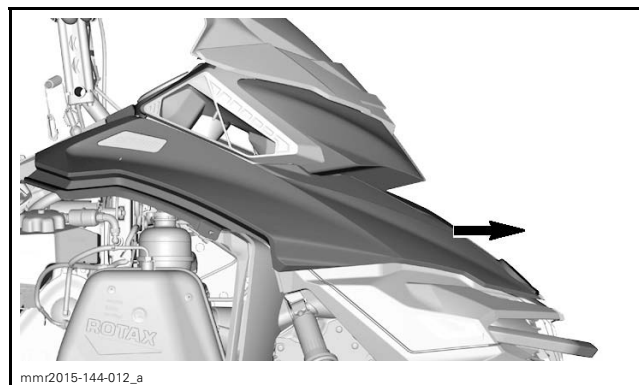
RH SIDE SHOWN

10. Remove the upper body module.

10.1 Grab the upper body module in the gauge support section.

10.2 Lift the module by approximately 15°.

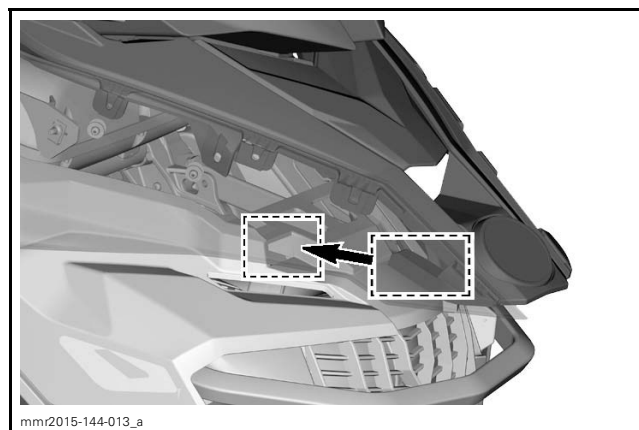
10.3 Pull the module forward.



SLIDE TOWARDS FRONT

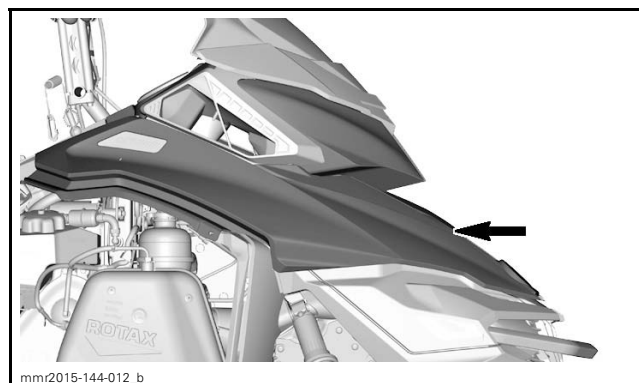
Upper Body Module Installation

1. Insert the upper body module tabs into the bottom pan cover openings.



LH SIDE SHOWN

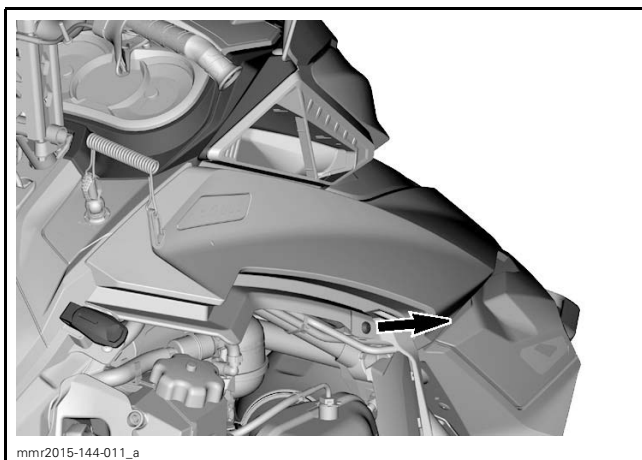
2. Slide the module towards rear with an angle of approximately 15°. When the pins are fully inserted in the slots, lower the module to reach the console screws.



Section 07 CHASSIS

Subsection 04 (BODY)

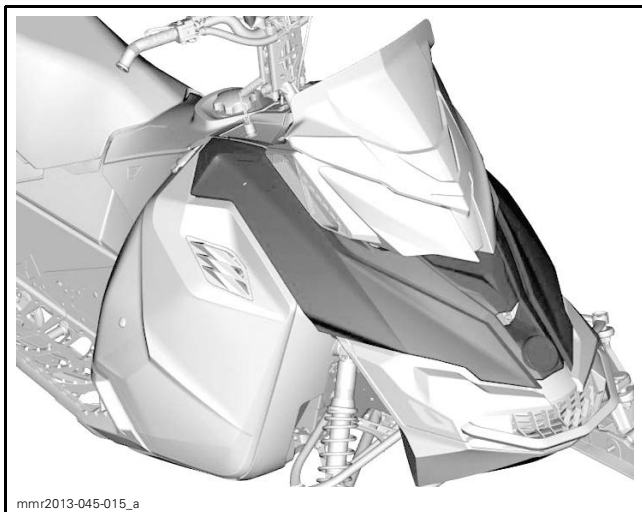
3. On both sides, install the upper body module retaining screws.



RH SIDE SHOWN

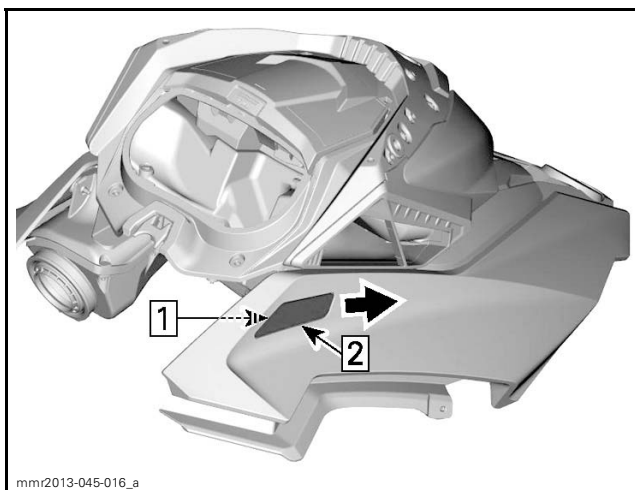
4. Connect:
 - APS hose on the ECM
 - Headlights connector
 - Gauge connector
 - Air temperature sensor (ATS)
 - Air intake connector tube.
5. Install:
 - Gauge support rear screws
 - Gauge
 - Drive belt guard.
6. Install side panels.

HOOD



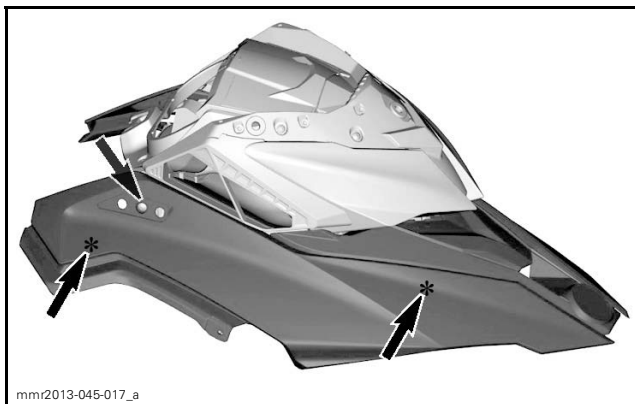
Hood Removal

1. See procedures in this subsection and remove:
 - Windshield
 - Upper body module.
2. Remove hood access plate.



*Step 1: Unlock from the back
Step 2: Slide plate forward*

3. Remove hood screws.



4. Pull out hood.

NOTE: You may need to twist the hood before pulling it out.



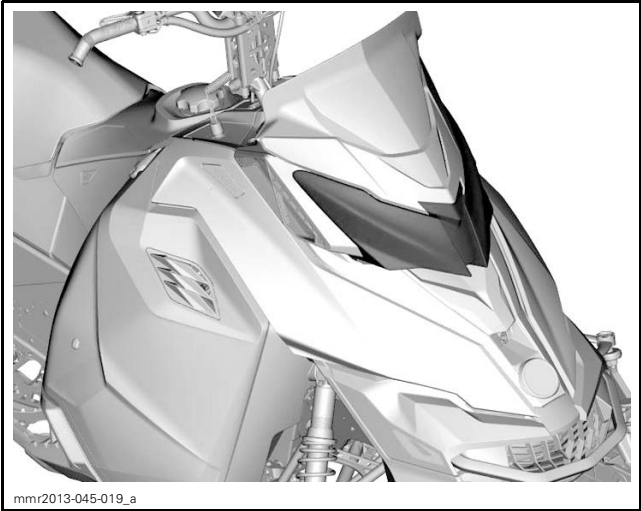
TOWARDS FRONT

Hood Installation

The installation is the reverse of removal procedure.

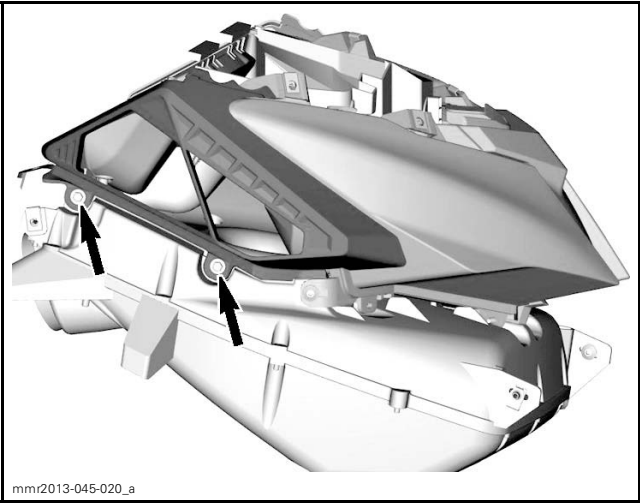
PART	TORQUE
Hood screws	1.7 N•m (15 lbf•in)

HEADLIGHT MODULE



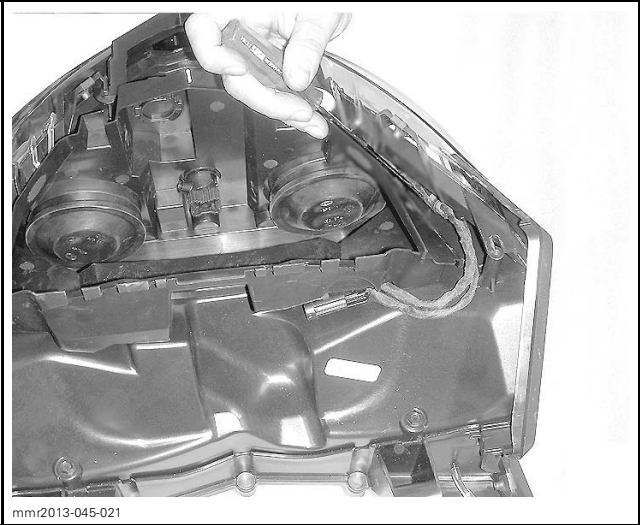
Headlight Module Removal

1. See procedures in this subsection and remove:
 - Hood
 - Gauge support.
2. Remove retaining screws from mesh filter housing.

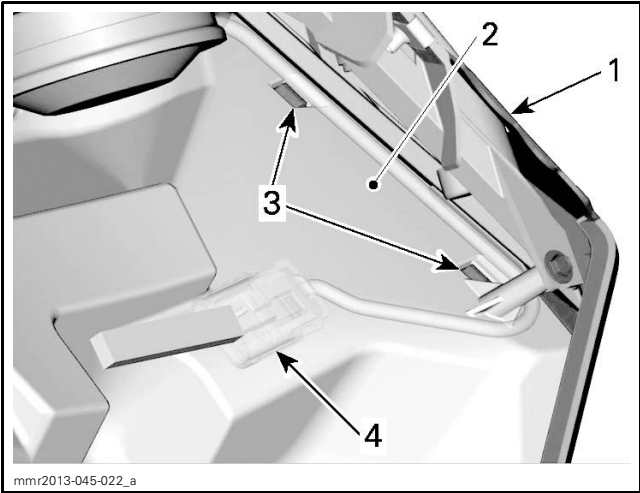


RH SIDE SHOWN

3. From top of upper body module, carefully release mesh filter housing tabs.
4. Detach connector from air intake silencer.



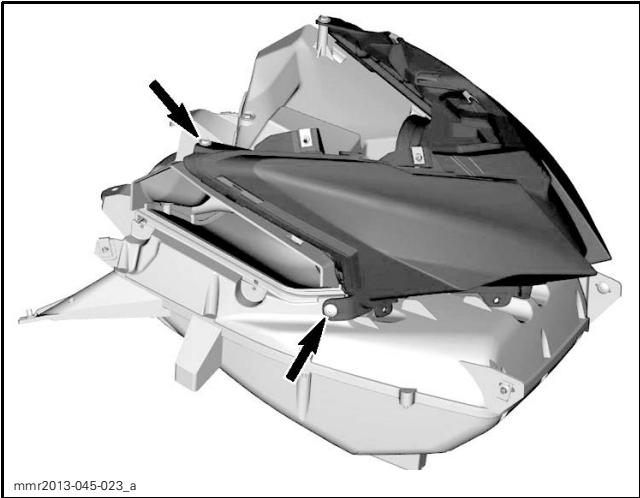
TOP OF UPPER BODY MODULE — RH SIDE TABS SHOWN



RH SIDE TABS SHOWN — RELEASE AND PUSH OUT BOTH TABS

- 1. Headlight housing
- 2. Air intake silencer
- 3. Mesh filter housing tabs
- 4. Connector

5. Remove headlight housing screws.



RH SIDE SHOWN

6. Pull out headlight housing.

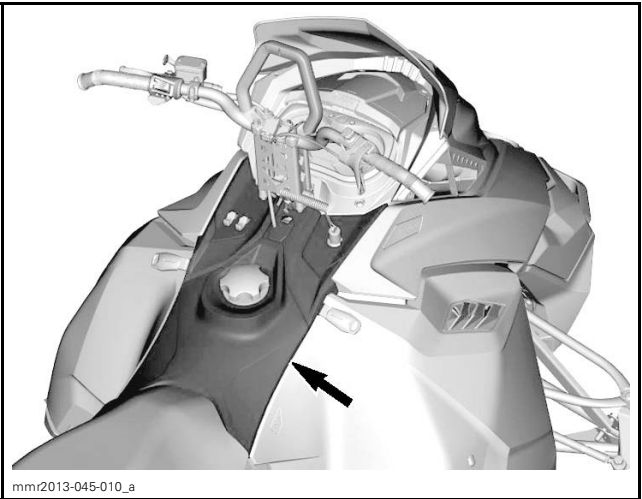


Headlight Module Installation

The installation is the reverse of removal procedure.

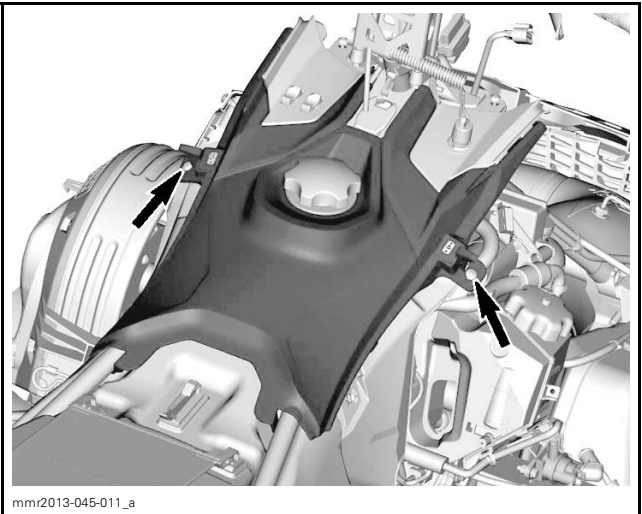
PART	TORQUE
Mesh filter housing screws	1.7 N•m (15 lbf•in)
Headlight housing screws	1.9 N•m (17 lbf•in)

CONSOLE



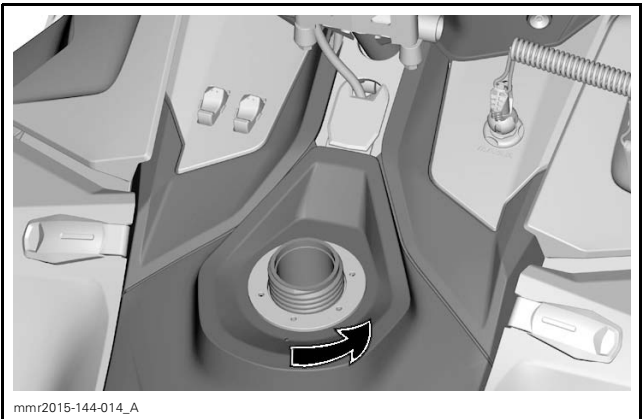
Console Removal

- 1. Remove *UPPER BODY MODULE*. See procedure in this subsection.
- 2. Remove seat.
- 3. Remove console screws.



4. Remove fuel tank cap.

5. Using the CONSOLE NUT WRENCH (P/N 529 036 183), unscrew the fuel tank nut.



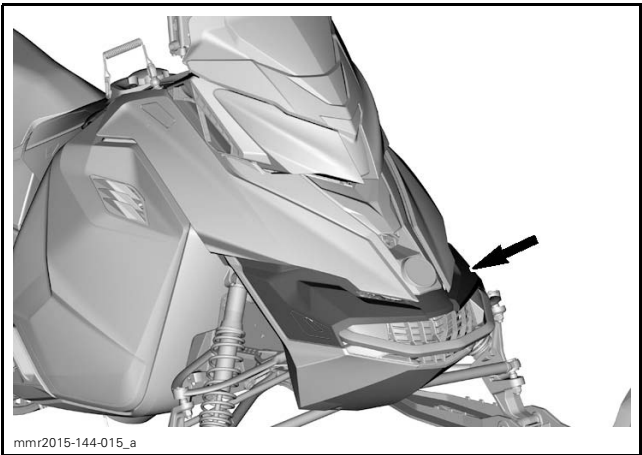
6. Lift up the console and unplug all connectors.
7. Install fuel tank cap.

Console Installation

The installation is the reverse of removal procedure.

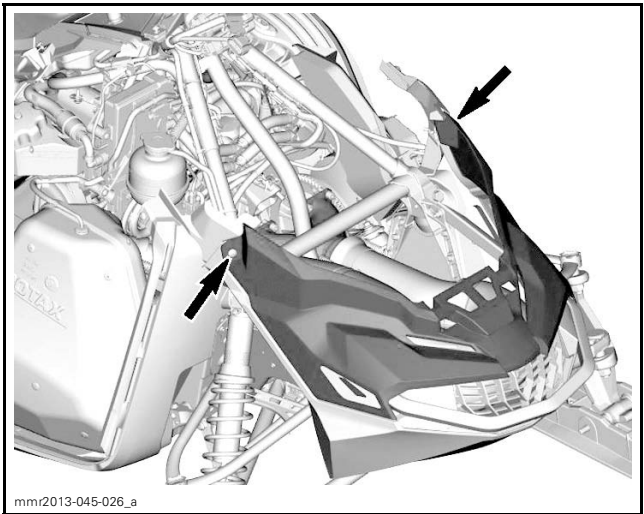
PART	TORQUE
Console screws	1.9 N•m (17 lbf•in)

BOTTOM PAN COVER



Bottom Pan Cover Removal

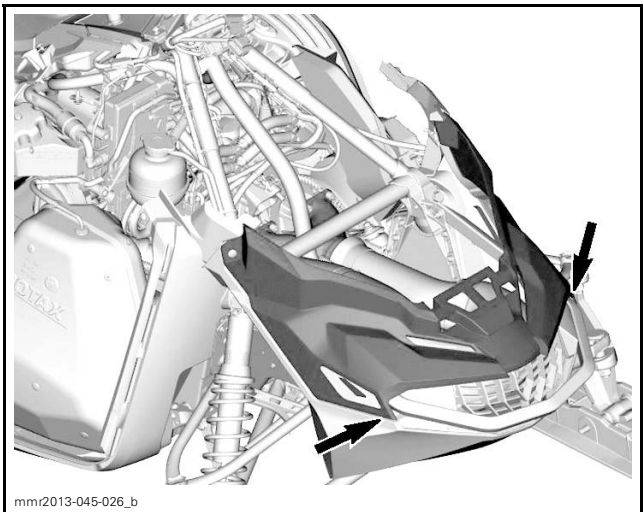
1. Remove *HOOD*. See procedure in this subsection.
2. Remove bottom pan cover screws.



3. Pull out bottom pan cover toward front.

Bottom Pan Cover Installation

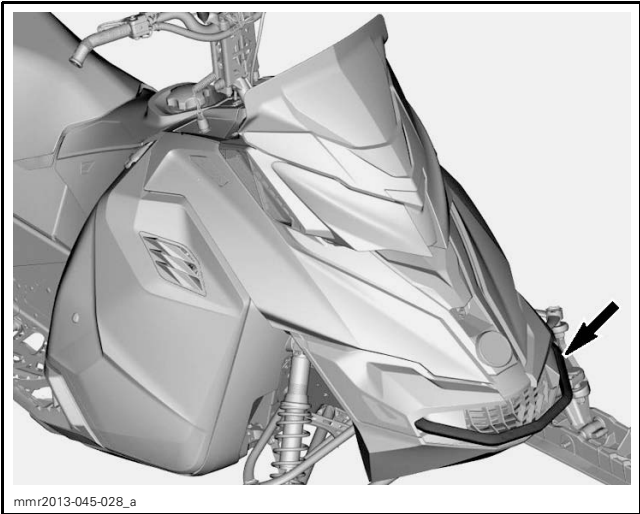
The installation is the reverse of the removal procedure. However, pay attention to the following. Ensure to slide front sides of bottom pan cover into bottom pan.



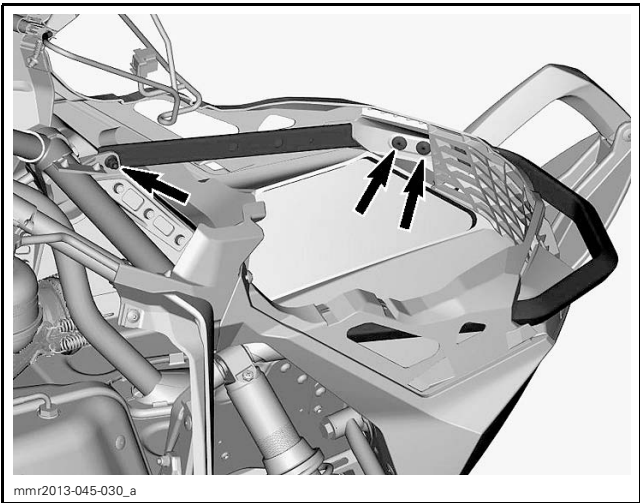
PART	TORQUE
Bottom pan cover screws	1.9 N•m (17 lbf•in)

FRONT BUMPER

Front Bumper Removal



1. Remove *BOTTOM PAN COVER*. See procedure in this subsection.
2. Remove tuned pipe. Refer to *EXHAUST SYSTEM* subsection.
3. Using a SUPERTANIUM DRILL BIT 3/16" (P/N 529 031 800), drill out rivets from front bumper.
4. Remove front bumper bolts.



LH SIDE FASTENERS SHOWN

5. Pull out bumper toward front.

Front Bumper Installation

Install bumper on vehicle.

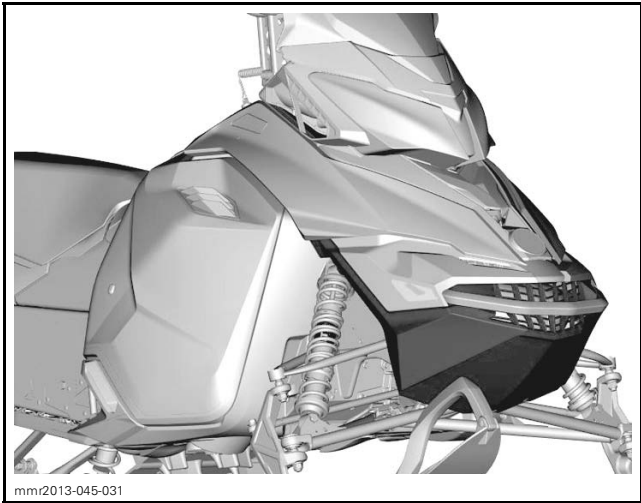
Install new rivets.

Install front bumper bolts and nuts.

PART	TORQUE
Front bumper screws	10 N•m (89 lbf•in)

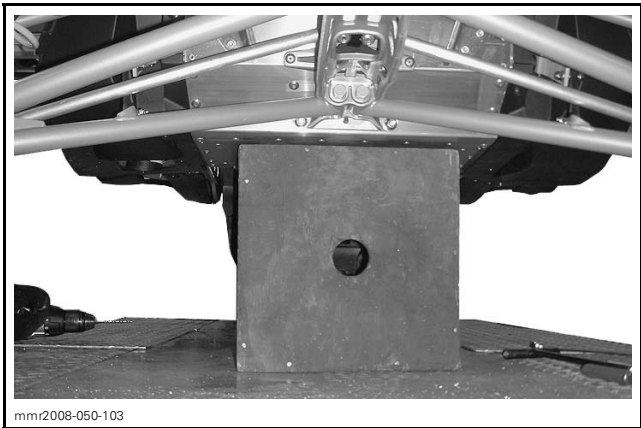
Install remaining components.

FRONT BOTTOM PAN



Front Bottom Pan Removal

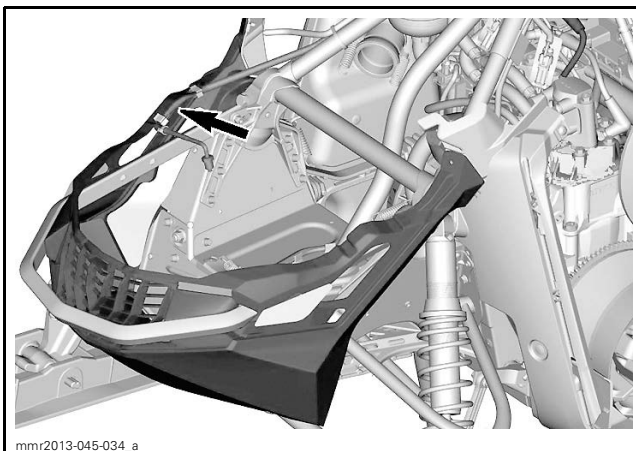
1. Lift front of vehicle until skis are off the ground.
2. Place the front portion of frame on a wooden box to support it securely.



3. Remove *FRONT BUMPER*. See procedure in this subsection.

Please note that if front bottom pan does not need to be replaced, the bumper may remain attached to bottom pan.

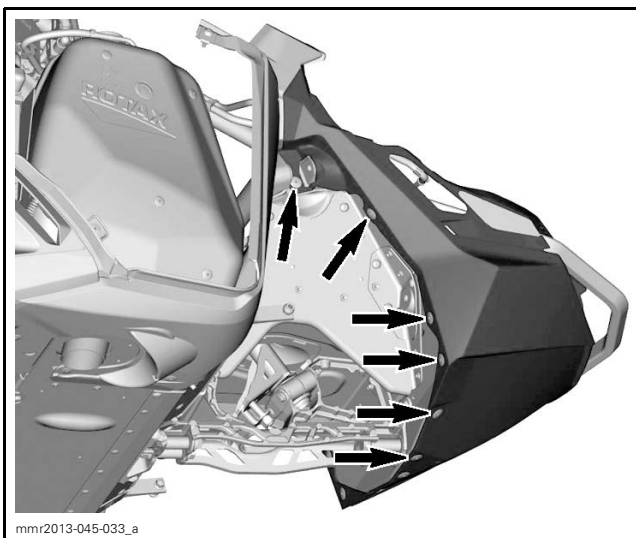
4. Remove tuned pipe. Refer to *EXHAUST SYSTEM* subsection.
5. Detach TCM module harness from bottom pan.



VIEW FROM LH SIDE — HARNESS ON RH SIDE

6. Remove front shock absorbers. Refer to *FRONT SUSPENSION* subsection.
7. Using an angle drill and a SUPERTANIUM DRILL BIT 3/16" (P/N 529 031 800), drill out all rivets retaining bottom pan.

NOTE: Refer to *FRAME* for proper procedure when drilling rivets retaining plastic parts.



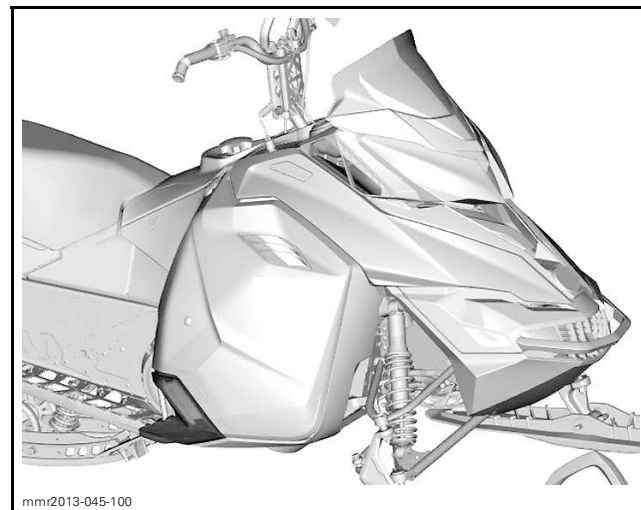
RH SIDE SHOWN — SOME PARTS REMOVED FOR CLARITY PURPOSE

8. Remove bottom pan.

Front Bottom Pan Installation

The installation is the reverse of removal procedure.

SIDE BOTTOM PAN CAP

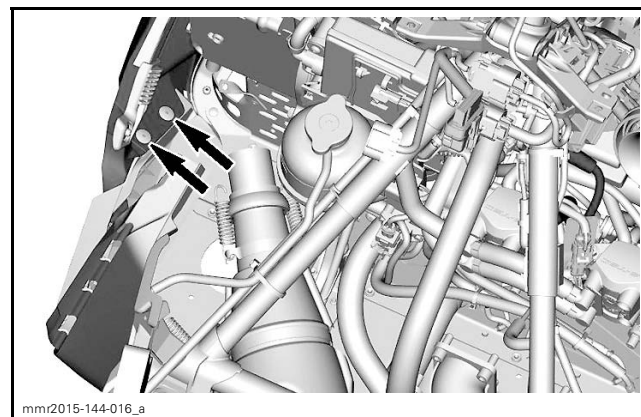


Side Bottom Pan Cap Removal

1. Remove LH and RH panels. Refer to procedure in this subsection.
2. Remove drive belt guard. Refer to *DRIVE BELT* subsection.
3. Remove muffler. Refer to *EXHAUST SYSTEM* subsection.
4. Using an angle drill and a SUPERTANIUM DRILL BIT 3/16" (P/N 529 031 800), drill out all rivets retaining side bottom pan cap.

NOTE: Refer to *FRAME* for proper procedure when drilling rivets retaining plastic parts.

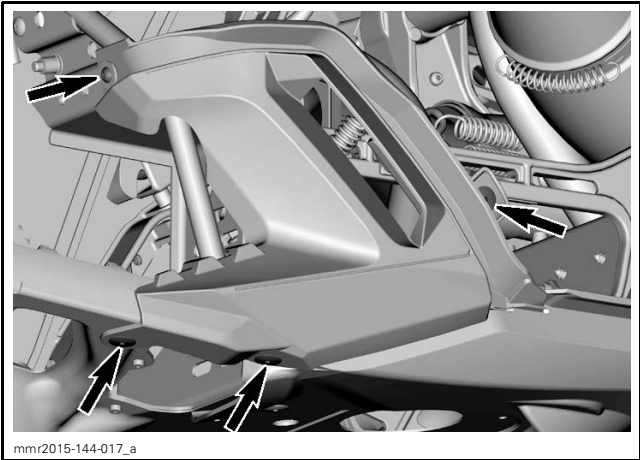
5. Remove screw retaining the rear of side bottom pan.



RH SIDE SEEN FROM FRONT LH SIDE

Section 07 CHASSIS

Subsection 04 (BODY)



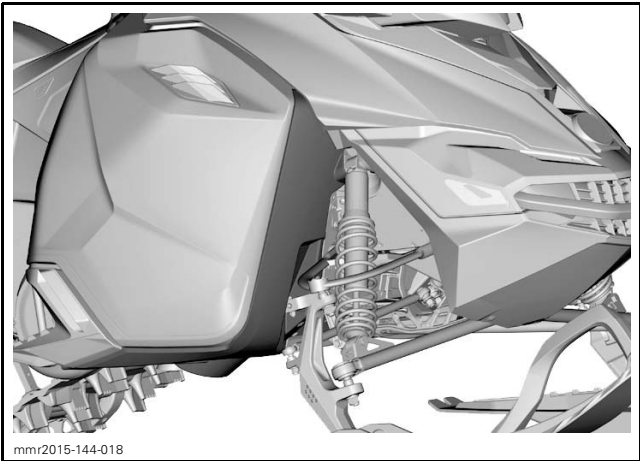
RH SIDE

Side Bottom Pan Cap Installation

The installation is the reverse of removal procedure.

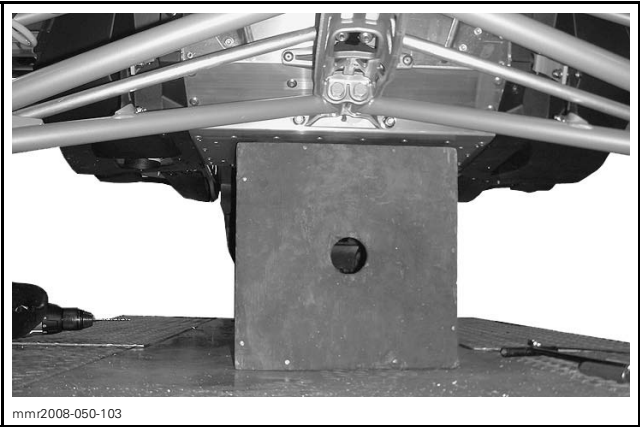
PART	TORQUE
Side bottom pan cap screws	1.9 N•m (17 lbf•in)

SIDE BOTTOM PAN



Side Bottom Pan Removal

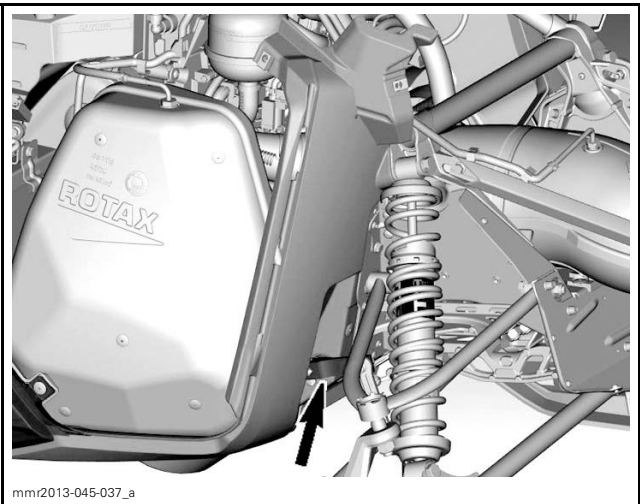
1. Remove LH and RH panels. Refer to procedure in this subsection.
2. Remove drive belt guard. Refer to *DRIVE BELT* subsection.
3. Lift front of vehicle until skis are off the ground.
4. Place the front portion of frame on a wooden box to support it securely.



5. Remove *BOTTOM PAN COVER*. See procedure in this subsection.

6. Disconnect vent tube from side bottom pan.

7. Remove stabilizer bar lever. Refer to *FRONT SUSPENSION* subsection.

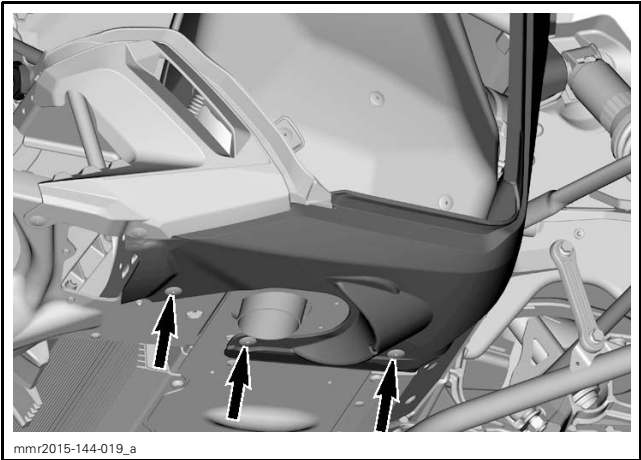


RH SIDE SHOWN

8. Using an angle drill and a SUPERTANIUM DRILL BIT 3/16" (P/N 529 031 800), drill out all rivets retaining side bottom pan.

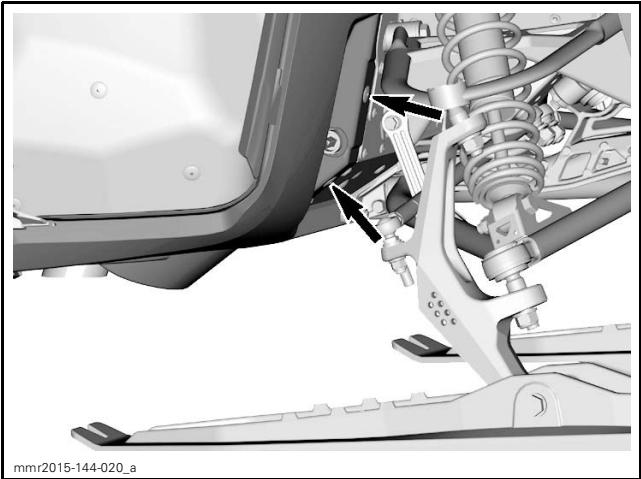
NOTE: Refer to *FRAME* for proper procedure when drilling rivets retaining plastic parts.

9. Remove screws retaining the rear of side bottom pan.

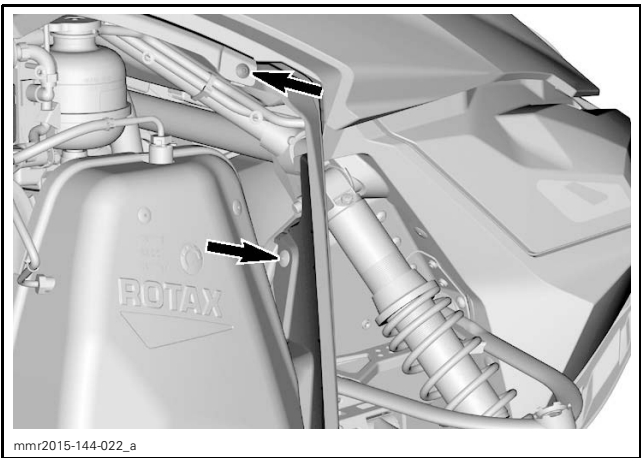


RH SIDE SHOWN

NOTICE Be careful not to drill through muffler.



RH SIDE SHOWN



RH SIDE SHOWN

10. Remove bottom pan.

Side Bottom Pan Installation

The installation is the reverse of removal procedure.

PART	TORQUE
Side bottom pan screws	1.9 N•m (17 lbf•in)

SEAT COVER

Seat Cover Replacement

Remove seat.

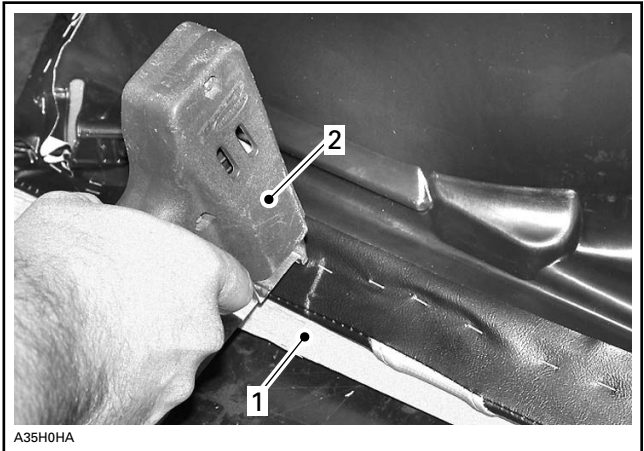
Remove the old seat cover. Check the foam and replace it if necessary.

Install staples with an electric tacker such as Arrow tacker ETN-50 or with a manual tacker such as ARROW TACKER (P/N T-50).

NOTICE Ensure to use the proper length staples. Extra long staples would pierce the exposed side of the leatherette.

NOTE: For an easier installation, it is highly recommended to use an electric tacker.

Ensure that the seat rest firmly against a hard surface such as a piece of wood. This is done to get the staples completely pushed in place.



TYPICAL
1. Piece of wood
2. Tacker

After seat cover installation, cut all around the excess of material.

REAR BUMPER

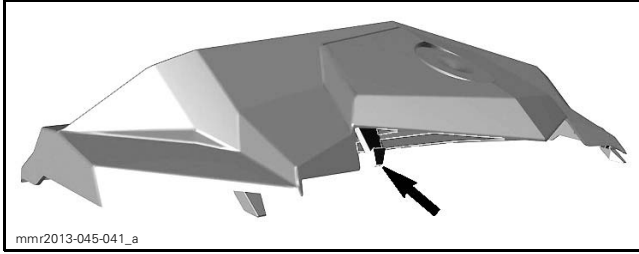
PART	TORQUE
Rear bumper screws	16 N•m (142 lbf•in)

TAIL LIGHT HOUSING

Release the locking tab from underneath tunnel.

Section 07 CHASSIS

Subsection 04 (BODY)



Pull housing toward rear.