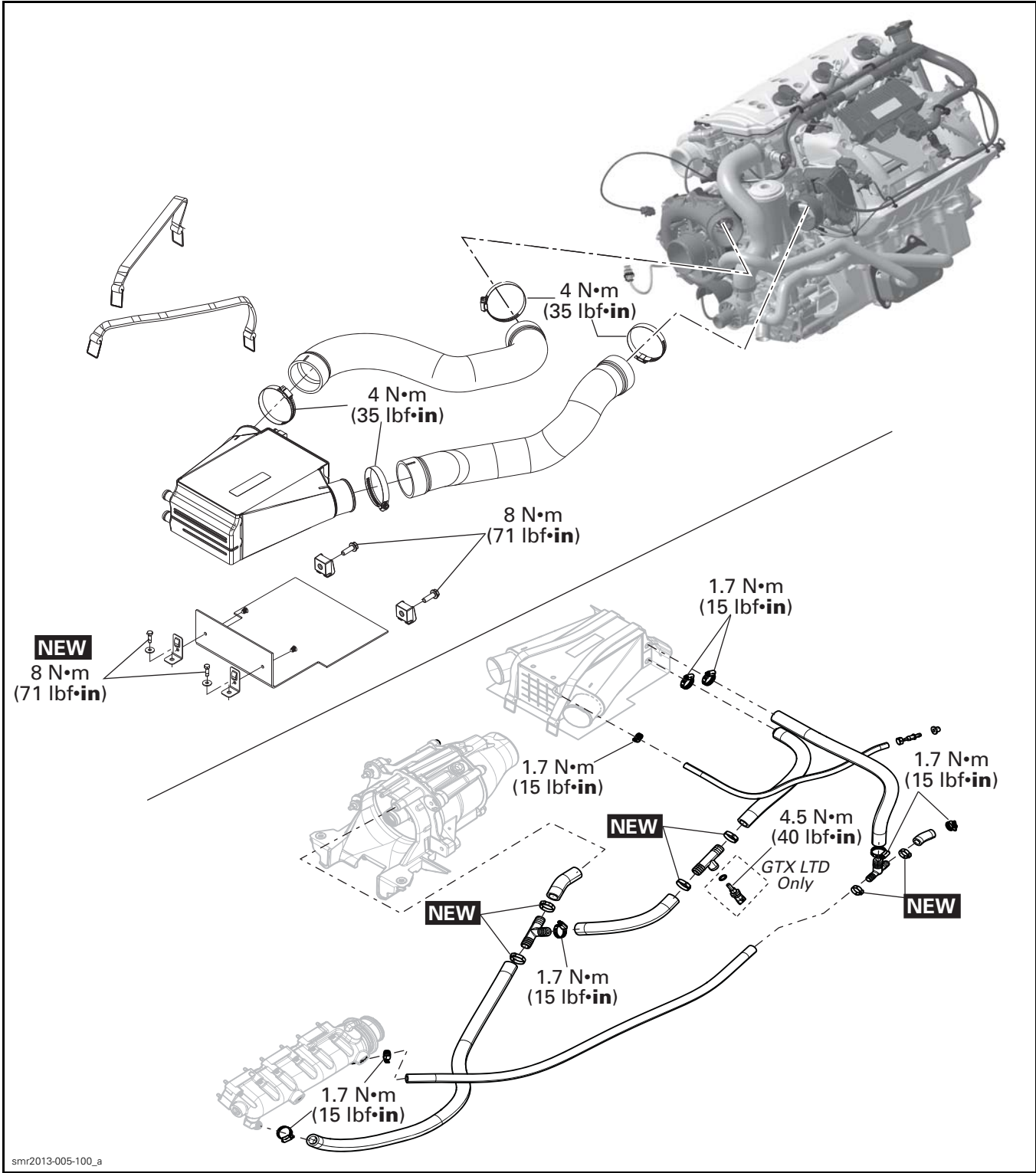


INTERCOOLER (260 ENGINE)

SERVICE TOOLS

Description	Part Number	Page
LARGE HOSE PINCHER.....	529 032 500	4
VACUUM/PRESSURE PUMP	529 021 800	4

Subsection XX (INTERCOOLER (260 ENGINE))



MAINTENANCE

INTERCOOLER FLUSHING

Flushing the intercooler with fresh water is essential to neutralize corroding effects of salt or other chemical products present in water. It will help to clean up sand, salt, shells or other particles in intercooler.

NOTE: Intercooler is flushed with the exhaust system, as they are on the same circuit.

Exhaust system and intercooler should be flushed each time:

- Watercraft is used in salt water and is not expected to be used further the same day.
- Watercraft is used in foul water.
- Watercraft is stored for any extended time.

Refer to *EXHAUST SYSTEM* subsection for flushing procedure.

NOTICE Failure to flush the system, when necessary, will severely damage engine intercooler and/or exhaust system.

PROCEDURES

INTERCOOLER

WARNING

Let engine cool down prior to work on or near intercooler.

Intercooler Cleaning

If temperature in intake manifold is too high or if engine is down in performance, intercooler may require to be cleaned.

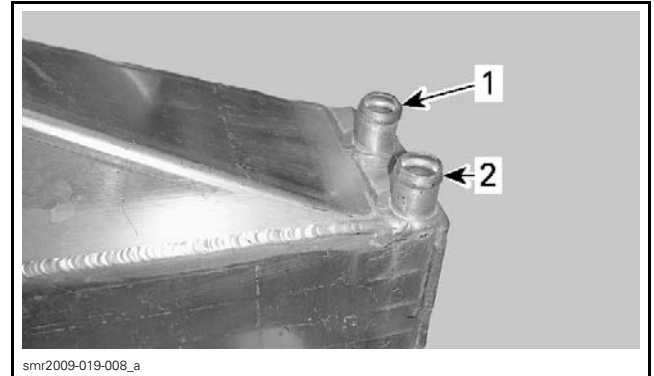
The exhaust system should be flushed first, as it may unclogged the intercooler. If not, then proceed with the intercooler cleaning procedure as detailed here.

NOTE: The exhaust temperature will decrease when the intercooler is clogged because more water is rerouted through the exhaust system.

To clean the intercooler, do the following:

NOTICE Never try to clean the intercooler with chemical products. Only use fresh water. Chemical products will permanently damage the internal parts of intercooler.

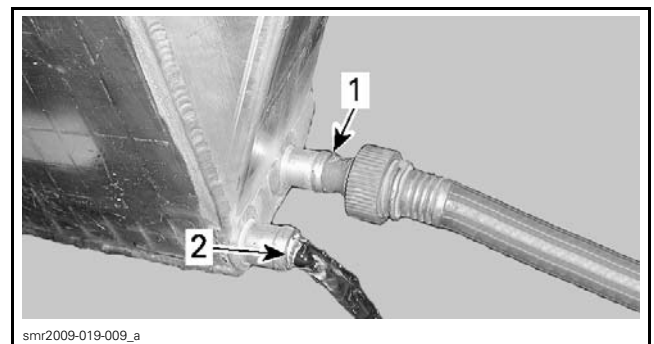
1. Remove the intercooler from the watercraft.
See procedure further in this subsection.
2. Pour fresh water into the water outlet fitting.



1. Intercooler water outlet fitting
2. Intercooler water inlet fitting

3. Let water soak in intercooler for a couple of hours. Occasionally, shake the intercooler to soak off deposits.
4. Rinse the intercooler using a garden hose installed on water outlet.
5. Let water flow out of intercooler a few minutes to evacuate internal deposits.
6. Check water flow.

WATER FLOW	
LOW OR ERRATIC	1. Repeat cleaning procedure.
	2. Replace the intercooler.
HIGH AND REGULAR	Intercooler is not clogged.



1. Garden hose installed on water outlet
2. High and regular water flow

7. Perform a leak test before installing the intercooler in the watercraft.

Intercooler Leak Test

Block intercooler water outlet hose.

Subsection XX (INTERCOOLER (260 ENGINE))

REQUIRED TOOL	
LARGE HOSE PINCHER (P/N 529 032 500)	

Intercooler Access

RXT and GTX with Suspension

Open the boarding platform and remove both storage baskets.

RXT Without Suspension

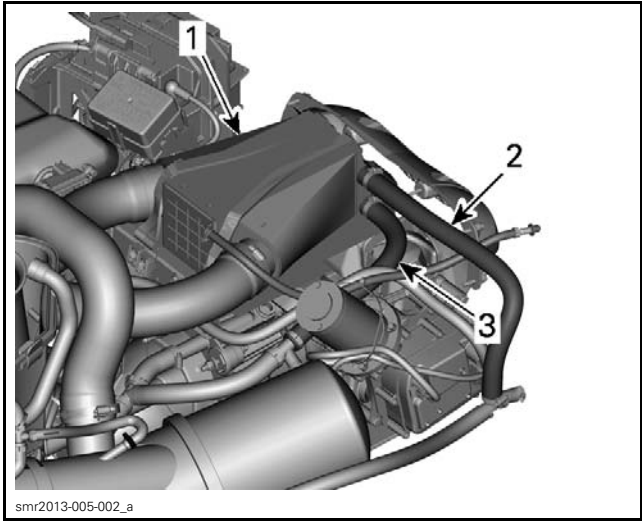
Open the seat and remove both rear access panels.

RXP-X Series

Remove the seat and the rear handle.
Detach exhaust hose from muffler.

Intercooler Removal

Disconnect the intercooler water hoses.



MANY PARTS REMOVED FOR CLARITY PURPOSE
1. Intercooler
2. Intercooler water outlet hose
3. Intercooler water inlet hose

Unplug the intercooler water inlet hose from the intercooler.
Install the VACUUM/PRESSURE PUMP (P/N 529 021 800) on intercooler water inlet fitting.

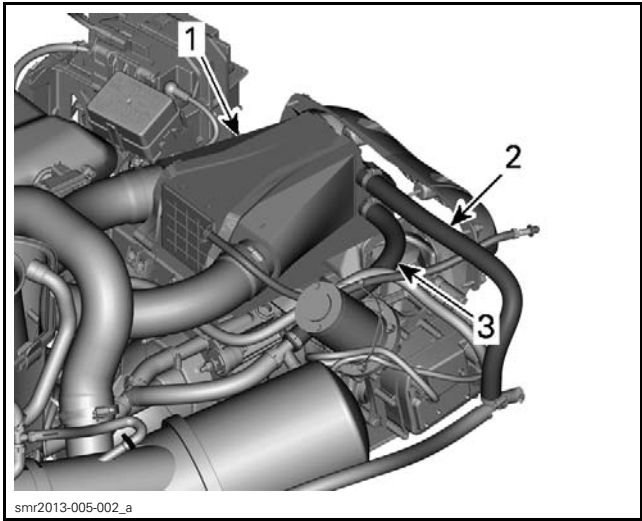


VACUUM/PRESSURE PUMP

Pressurize the intercooler.

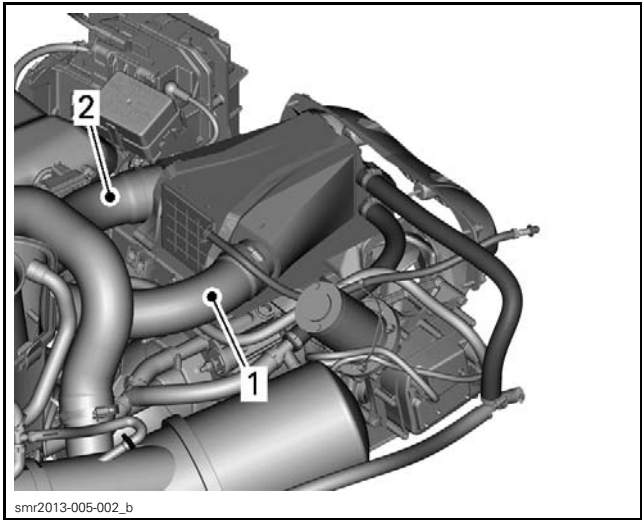
PRESSURE TEST
69 kPa (10 PSI) for 10 minutes minimum

If there is a pressure drop, first spray tool, hoses and adapters with a soapy water solution to ensure they are not leaking. If they are not leaking, replace the intercooler.



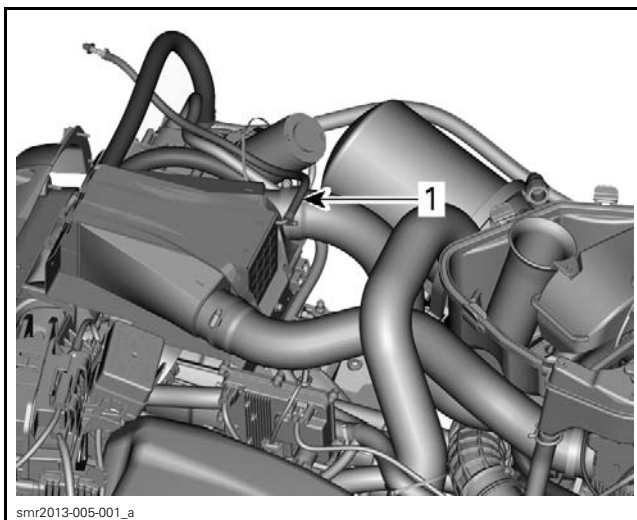
MANY PARTS REMOVED FOR CLARITY PURPOSE
1. Intercooler
2. Intercooler water outlet hose
3. Intercooler water inlet hose

Disconnect both air hoses.



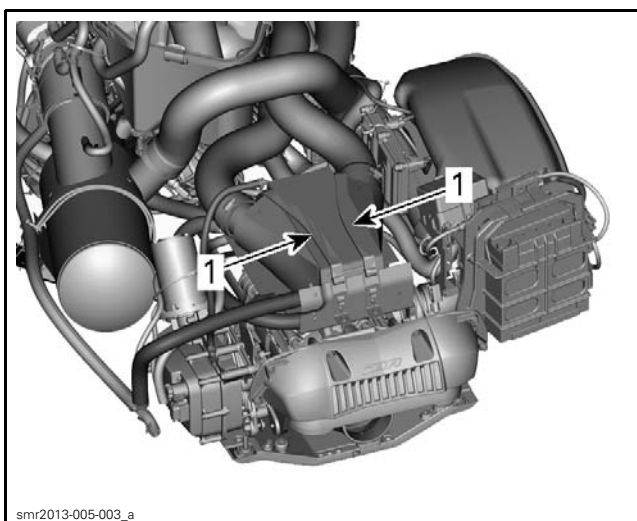
1. Intercooler air inlet hose
2. Intercooler air outlet hose

Disconnect vent hose.



1. Vent hose

Detach both intercooler straps.



1. Intercooler straps

RXP Model

Pull intercooler out of vehicle.

All Models Except RXP

Remove the iBR actuator. Refer to *iBR AND VTS* subsection.

Remove the intercooler from vehicle by the LH opening.

Intercooler Installation

The installation is the reverse of the removal procedure.

NOTE: Ensure hoses are routed correctly and locking ties are positioned at proper locations.

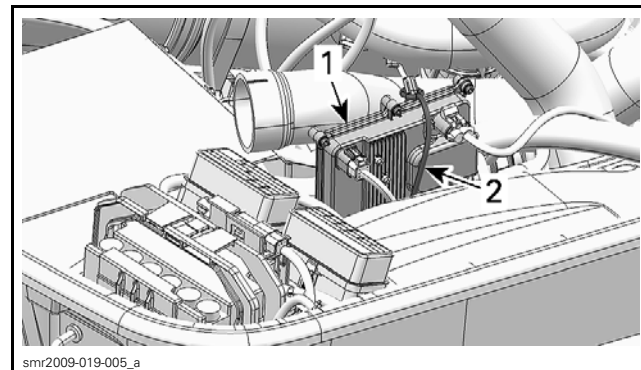
INTERCOOLER ATTACHMENTS

Front Attachment Replacement

Remove the *INTERCOOLER*, see procedure in this subsection.

iS Models

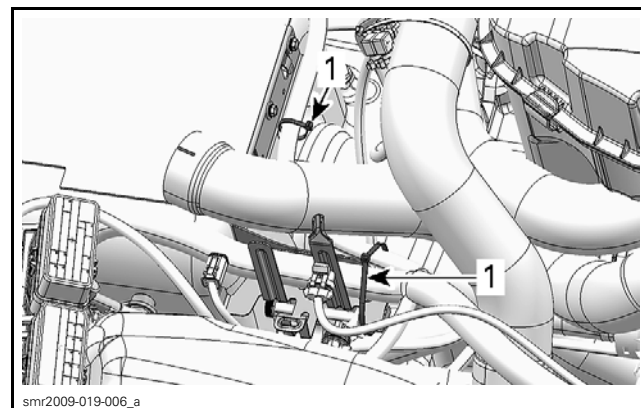
Detach iS module from its support and move the module aside to make room.



FIXED DECK REMOVED FOR CLARITY PURPOSE

1. iS module
2. Retaining latch

Cut locking ties securing wiring harnesses to iS module support and front attachment.



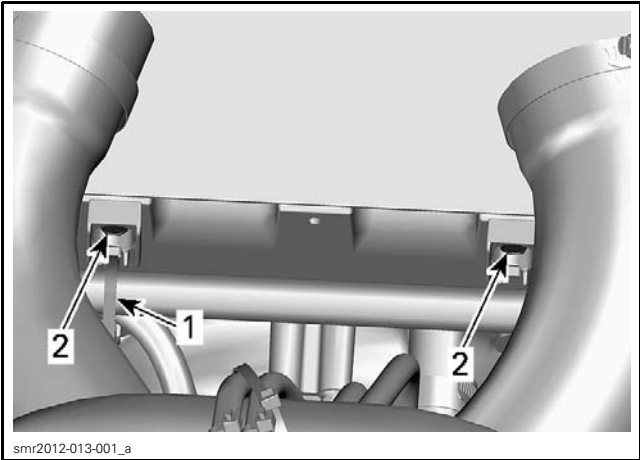
1. Cut these locking ties

All Models

Cut locking ties securing the iBR harness.

Remove screw retaining the intercooler attachment.

Subsection XX (INTERCOOLER (260 ENGINE))



- 1. Locking tie retaining the iBR harness
- 2. Intercooler attachment retaining screw

When reinstalling, tighten front attachment screws to specification.

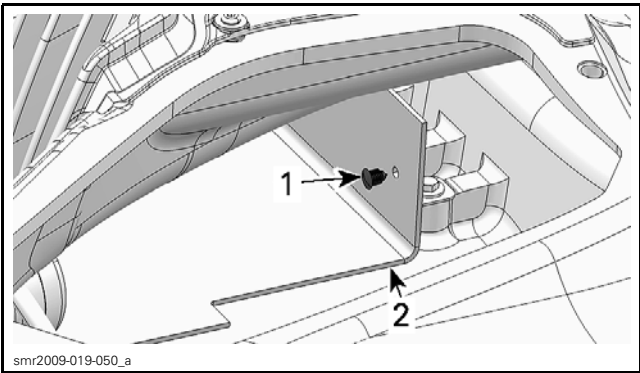
TIGHTENING TORQUE	
Front attachment screw	8 N•m (71 lbf•in)

Install all other removed parts.

Rear Attachment Replacement

Remove the intercooler, see procedure in this subsection.

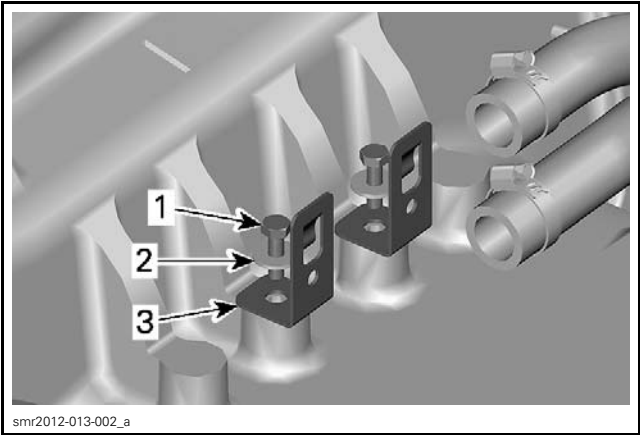
Remove darts and rubber pad.



THROUGH THE LH REAR OPENING

- 1. Dart
- 2. Rubber pad

Remove and discard screw securing the attachment to the hull.



- 1. Retaining screw
- 2. Washer
- 3. LH rear attachment

Install a new attachment using a NEW screw.

Tighten rear attachment screw to specification.

TIGHTENING TORQUE	
Rear attachment screw	8 N•m (71 lbf•in)

Install all other removed parts.