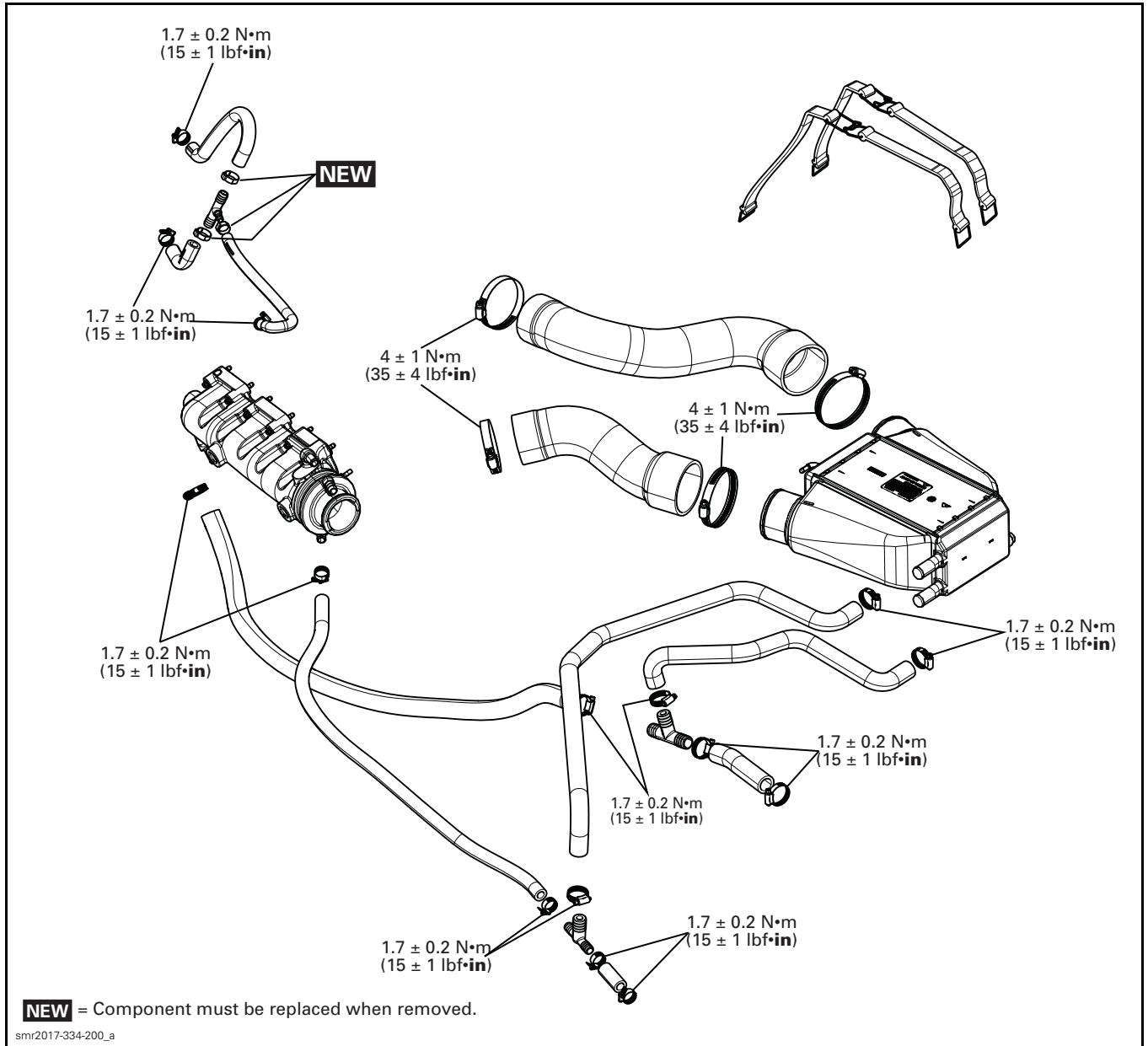


INTERCOOLER

SERVICE TOOLS

Description	Part Number	Page
LARGE HOSE PINCHER.....	529 032 500	3
VACUUM/PRESSURE PUMP	529 021 800	3



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.

Cleaning the Intercooler

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

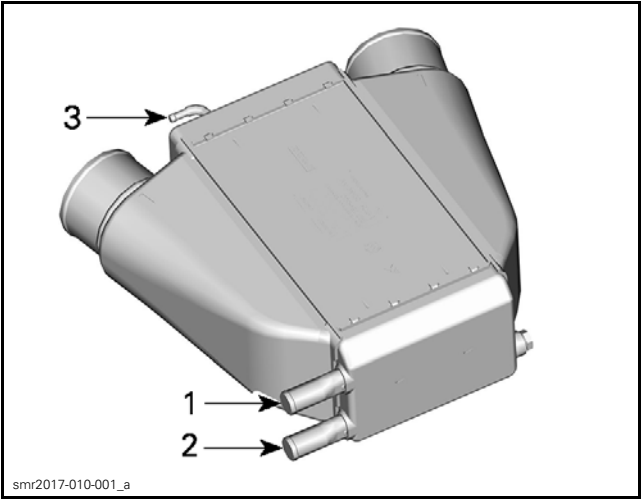
The exhaust system should be flushed first, as it may unclogged the intercooler. If not, then proceed with the intercooler cleaning procedure as detailed here.

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.

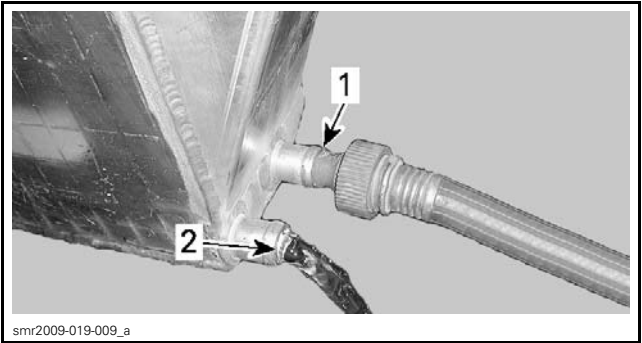
1. Remove the intercooler from the watercraft.
See procedure further in this subsection.
2. Pour fresh water into the water outlet fitting.



1. Intercooler water outlet fitting
2. Intercooler water inlet fitting
3. Intercooler bleeding hose 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.



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

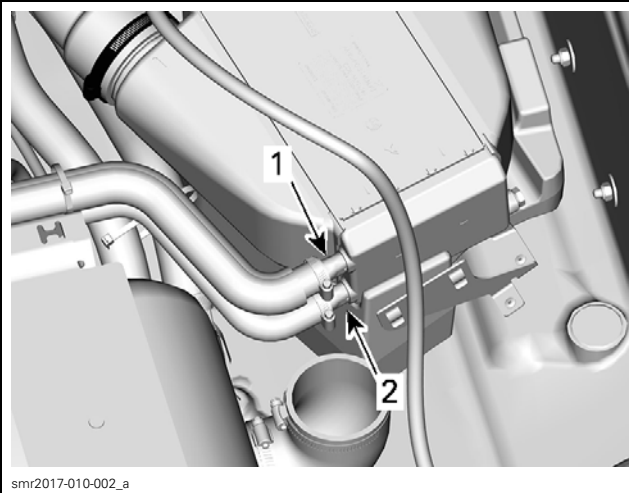
7. Perform a leak test before installing the intercooler in the watercraft.

Intercooler Leak Test

Block intercooler water outlet hose.

REQUIRED TOOL

LARGE HOSE PINCHER
(P/N 529 032 500)



smr2017-010-002_a

MANY PARTS REMOVED FOR CLARITY PURPOSE

1. Intercooler water outlet hose
2. 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.



529021800

VACUUM/PRESSURE PUMP

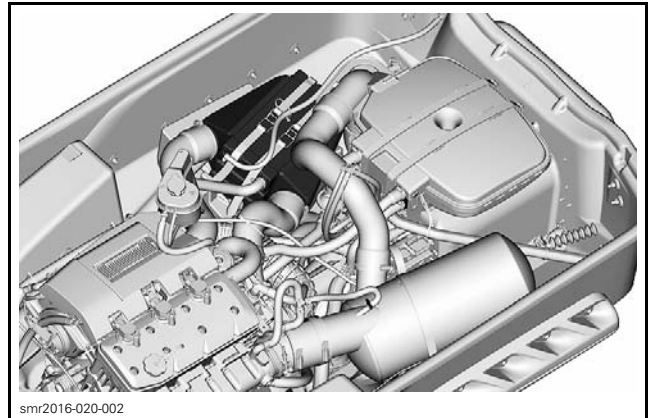
Pressurize the intercooler.

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.

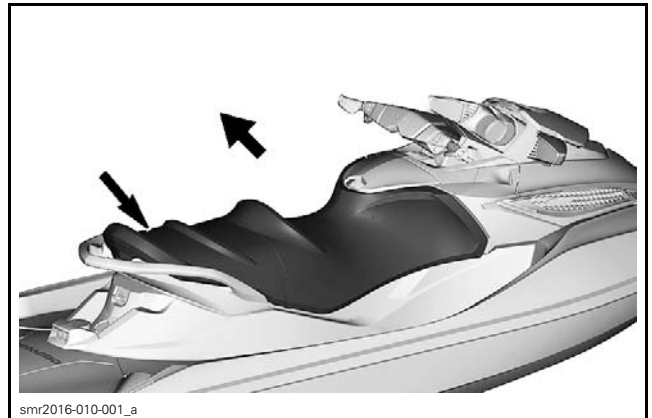
Locating the Intercooler



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Removing the Intercooler

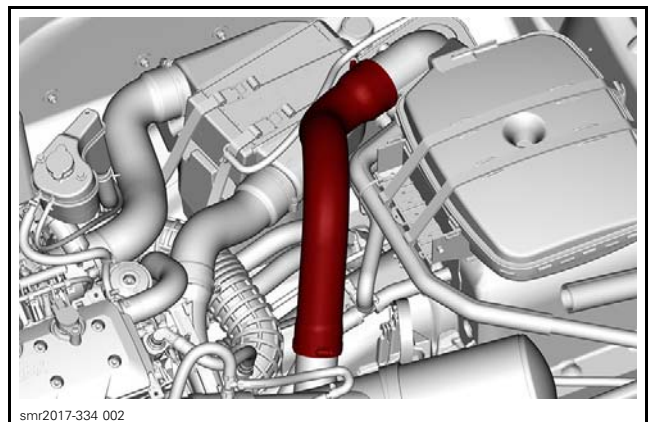
Remove seat



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TYPICAL

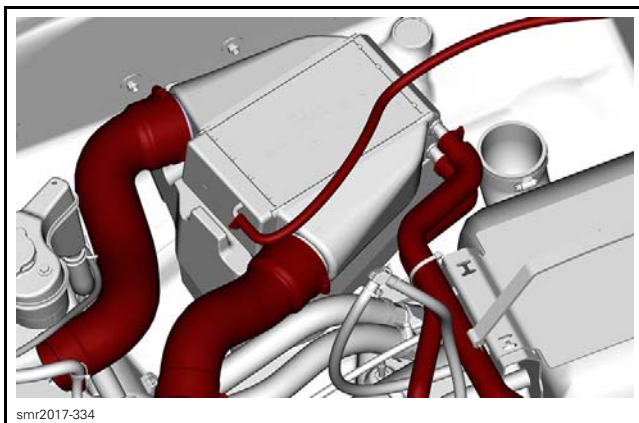
Remove exhaust pipe



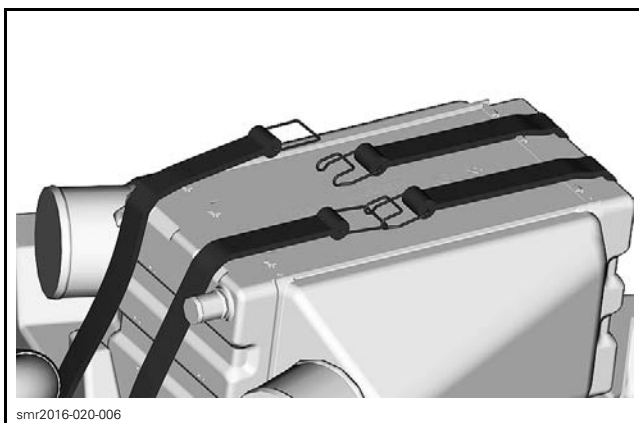
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Remove intercooler hoses.

Subsection 11 (INTERCOOLER)



Remove intercooler straps



Pull intercooler out of vehicle.

Installing the Intercooler

The installation is the reverse of the removal procedure.

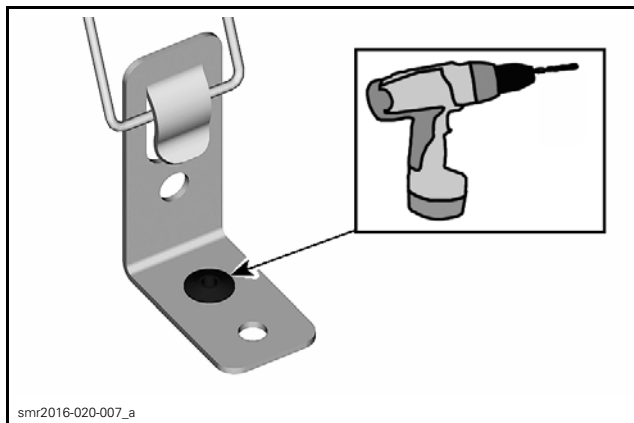
NOTE: Ensure hoses are routed correctly and locking ties are positioned at proper locations.

REPLACING INTERCOOLER ATTACHMENTS

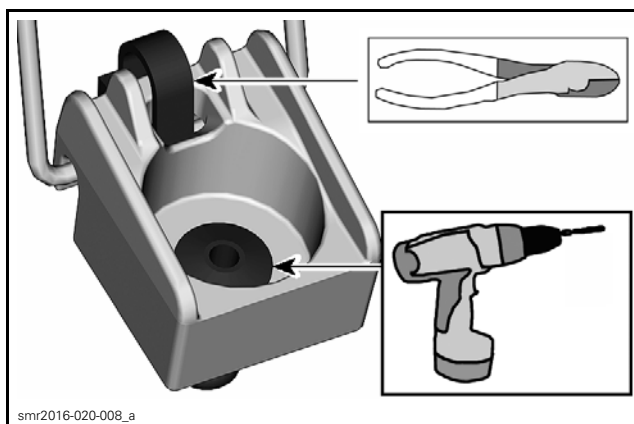
Remove the intercooler.

Drill the head of the rivets.

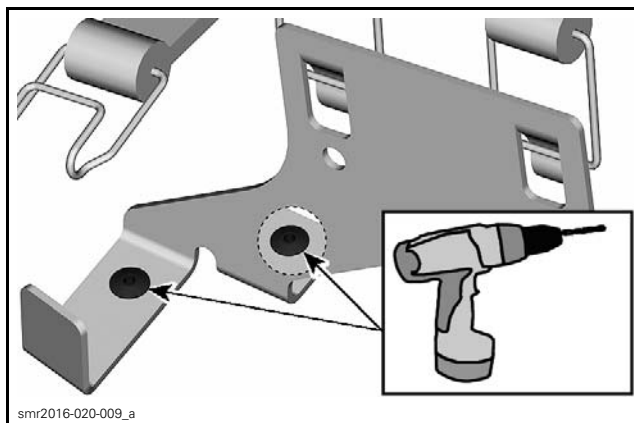
NOTICE Drilling rivets too deep may leads to hull damage.



FRONT RH SIDE ATTACHMENT



FRONT LH SIDE ATTACHMENT



REAR ATTACHMENT

Install the attachment with new rivets and new locking tie if required.