



# SERVICE ADVISORY

Published for Polaris Dealerships, Distributors, and Service Technicians

**Division:** On-Road

**Article** TSA-18-01

**Date:** February 01, 2018

**EXPIRATION DATE:** February 01, 2023

**VERSION: R01 (February 01, 2018)**

**SUBJECT:**

2015-18 Slingshot – Muffler noise

**PURPOSE:**

Polaris has identified a quality issue affecting a small number of Slingshot mufflers, where insufficient penetration of muffler plug welds weakens the muffler wall, making it susceptible to fatigue failure. The first mode of failure is a loosening of the wall, distinguishable by a rattle during normal engine operation. If left unrepaired for an extended period of time, a hole may form in the muffler wall resulting in noticeably higher noise levels.

This Service Advisory has been released to communicate a process which enables dealers to assist customers and replace affected mufflers without requiring pre-authorization from Polaris. Parts should only be replaced on vehicles exhibiting the issue as defined in this Service Advisory. DO NOT replace mufflers proactively on units that are not exhibiting these symptoms. ***Polaris reserves the right to expire this Service Advisory prior to the published expiration date for any reason.***

**AFFECTED MODELS:**

Model Years	Models	Affected Model range
2015 - 2018	Slingshot	All models manufactured before 9/11/2017. Manufacture date can be found using "Unit Inquiry" on the dealer website.
	Slingshot SL	
	Slingshot SLR	

**CUSTOMER NOTIFICATION:**

Dealers should not contact customers regarding this Service Advisory unless the customer has previously had this concern. Parts should only be replaced on vehicles exhibiting the issue as defined in this Service Advisory. Polaris will not send a letter to consumers notifying them of this Service Advisory.

**WHAT YOUR DEALERSHIP SHOULD DO:**

If your dealership encounters a vehicle exhibiting characteristics of a defective muffler as defined above, proceed with the following steps:

1. Attempt to replicate the complaint to ensure the muffler is indeed the source of the noise. To replicate, run the vehicle, sweeping from idle through the RPM range while listening for rattles, buzzing, excessive loudness, or other abnormal exhaust sounds. The vehicle may require a load to replicate the rattle, therefore, a test drive may be necessary.
2. If the noise is replicated, verify that the muffler is not making contact with surrounding components due to missing or defective exhaust springs, or a loose heat shield (equipped only on select vehicles).
3. If the abnormal noise is confirmed and is the result of a defective muffler, proceed with the Muffler Replacement Procedure on the following pages.
4. If the abnormal noise is not related to a defective muffler, proceed with the appropriate steps to diagnose and repair.

## WARRANTY CLAIM:

2015-18 Slingshot / Slingshot SL / Slingshot SLR	
Service Advisory #	TSA-18-01
Claim Type	SA (Service Advisory)
Labor Allowance	0.9 hours (54 minutes)
Part Number / Description	1262781 (QTY.1) – ASM, RESONATOR, INT. CAT. 3610211 (QTY.1) – SEAL, EXHAUST, SOCKET 7043726 (QTY.6) – SPRING, EXHAUST, SS 24505057 (QTY.1) – GASKET, EXHAUST
Parts Availability	Available to order
University Of Polaris Video Training Requirement	NO <sup>1</sup>

<sup>1</sup> Polaris does not require one person from a dealership to be certified before parts ordering may occur and two people from a dealership to be certified before warranty claims may be processed.

## INVENTORY / STOCK PART WARRANTY CLAIMS:

Dealers should review their service parts inventory and ensure the following service parts are **NOT** used for any repairs. Located on the top of the mufflers are part number and a manufacture date code. Mufflers that have a manufacture build date prior to 5/4/2017 should **NOT** be used for any repairs.

- 1262645 Muffler assembly
- 1262781 Muffler assembly (Intl.)

### NOTE

To remove these service parts from circulation, file a parts stock claim as directed below.

Please use the following process for filing PART STOCK warranty claim for any of the parts listed above.

1. Start a new Parts Stock warranty claim.
2. Select Product Line: *SLI*
3. Enter the Date Failed and Date Repaired information into the applicable fields.
4. Enter "TSA-18-01" in the CONCERN field.
5. Enter "TSA-18-01" in the CAUSE field.
6. Enter "TSA-18-01" in the CORRECTION field.
7. Enter the part number and quantity.
8. Enter warranty fail codes: 103/197/122.
9. Validate the parts.
10. Save and submit the claim to Polaris.



## WARRANTY COVERAGE PERIOD:

***This Service Advisory for goodwill coverage is separate from, and does not alter or otherwise affect the terms of any existing warranty.***

## PARTS RETURN OR DISPOSAL INFORMATION:

Once the warranty claim for each unit has processed, please review the "Check Returned Parts List" on your dealer website to determine whether or not Polaris has asked for the part(s) to be returned. If the part(s) were not identified as needing to be returned to Polaris, please dispose of the part(s) properly.

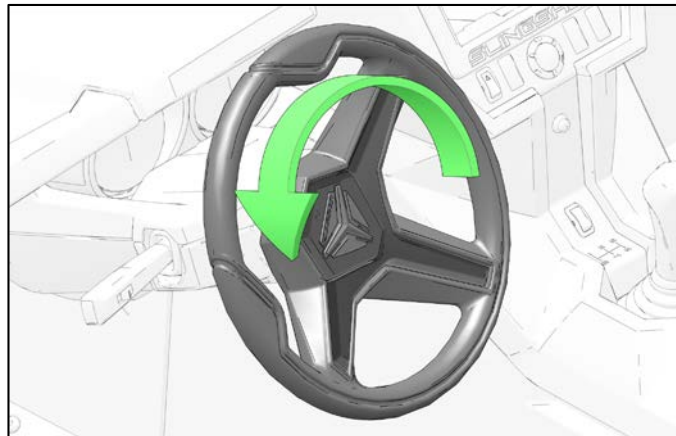
## MUFFLER REPLACEMENT:

### ⚠ CAUTION

⚠ Exhaust components may be hot. Wait for exhaust to cool before performing service.

## MUFFLER REMOVAL:

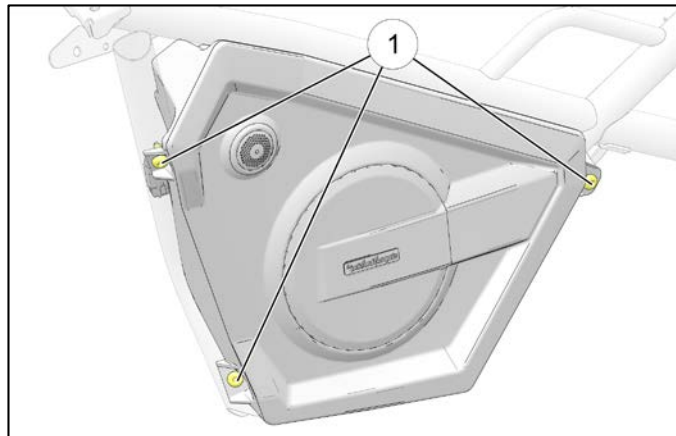
1. Park vehicle on flat and level surface. Apply parking brake. Chock rear tire and open vehicle hood.
2. Turn steering wheel to the left allowing access to passenger side rocker panel.



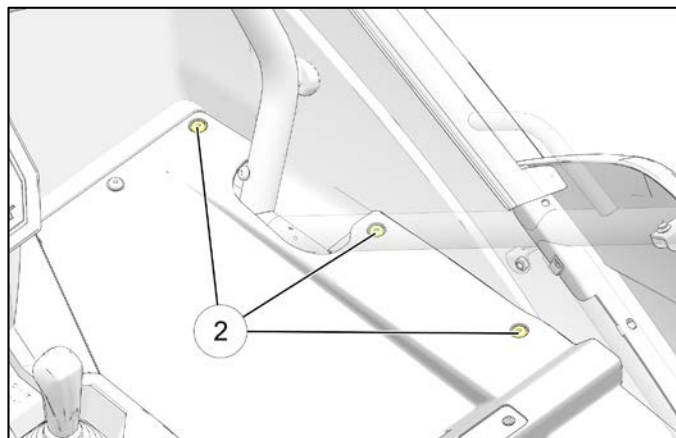
3. If applicable, remove three passenger side speaker fasteners ① and position enclosure out of the way.

### IMPORTANT

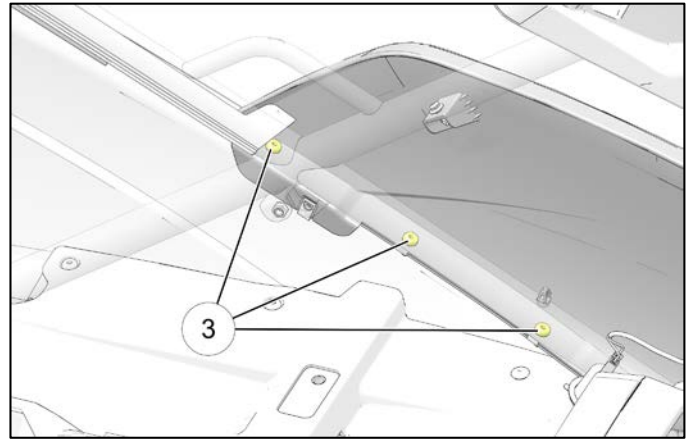
Do not pull on speaker wires when moving the speaker enclosure.



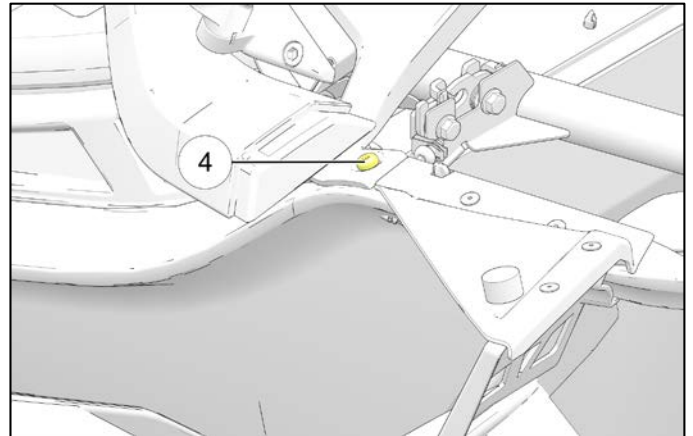
4. Remove three lower passenger rocker panel fasteners ②.



5. Remove three top passenger front rocker panel fasteners ③.



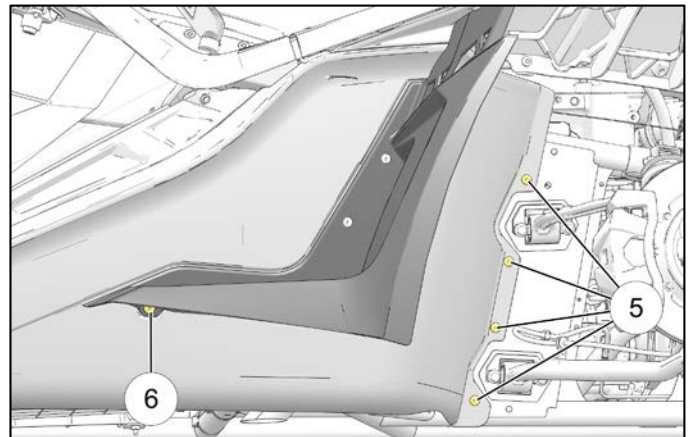
6. Remove fastener ④ from the top of the rocker panel.



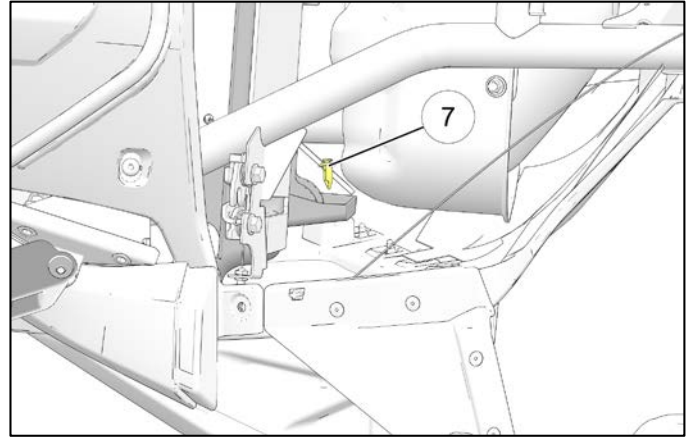
7. Remove four fasteners ⑤ securing the passenger front rocker panel horizontally to the chassis. If applicable, remove splash guard fastener ⑥.

**NOTE**

The fastener ⑥ securing the splash guard is longer than the other four fasteners.

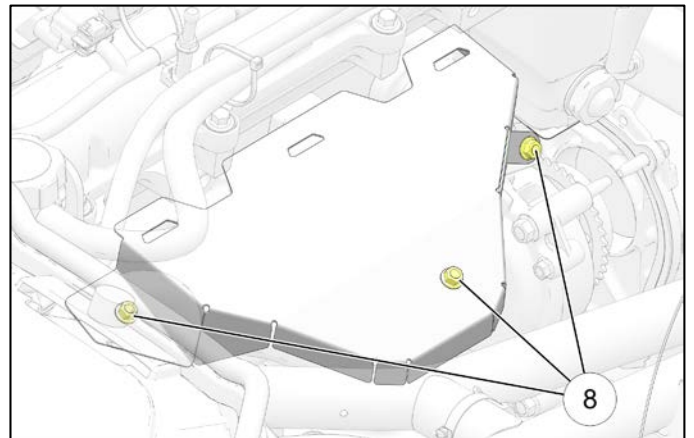


8. Remove push rivet fastener ⑦ from the inside of the rocker panel.



**FOR VEHICLES EQUIPPED WITH AN EXHAUST MANIFOLD HEAT SHIELD**

Remove three fasteners ⑧ securing the exhaust manifold heat shield to the exhaust manifold. Remove exhaust manifold heat shield.

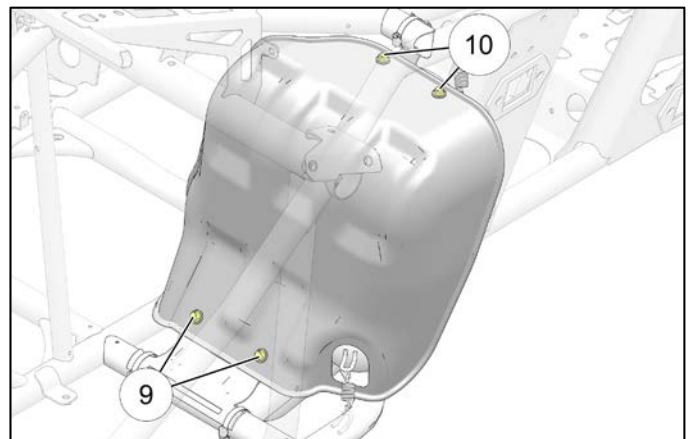


**FOR VEHICLES EQUIPPED WITH A MUFFLER HEAT SHIELD:**

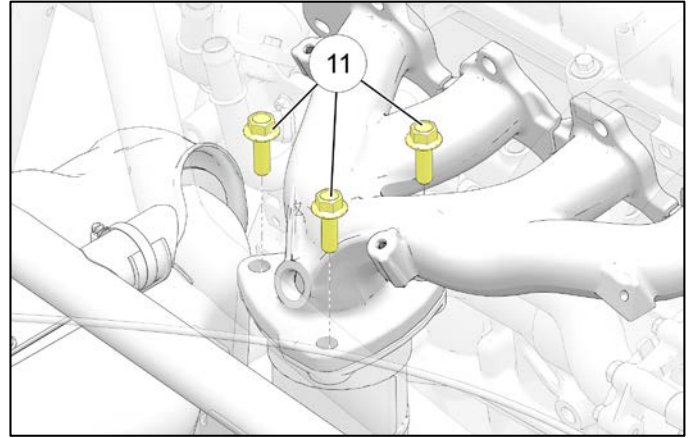
- A. Remove two fasteners ⑨ securing the lower heat shield bracket to the muffler heat shield.
- B. Remove two fasteners ⑩ securing the upper heat shield bracket to the muffler heat shield.

**NOTE**

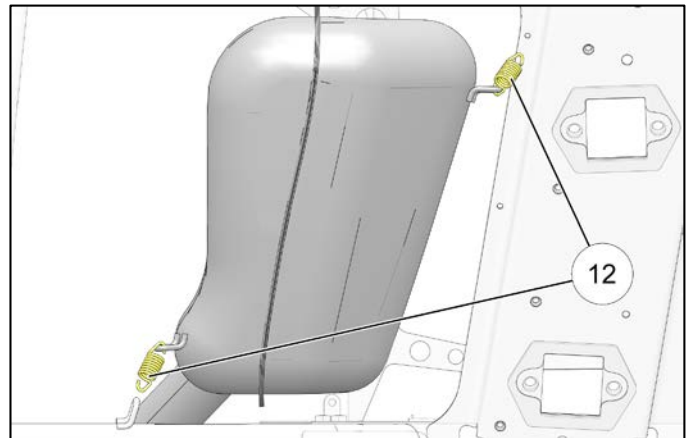
Loosening the top hose clamp and rotating the shield bracket makes muffler removal easier.



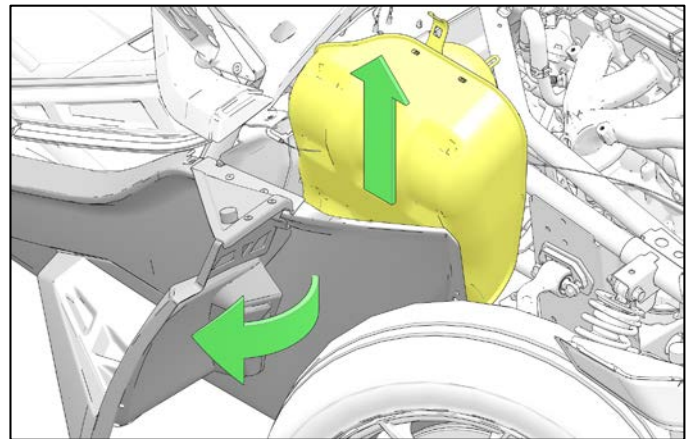
9. Remove three fasteners ⑪ securing the downpipe to the exhaust manifold.



10. Remove two springs ⑫ attaching the muffler to the chassis and discard springs.



11. Gently pull outward on the rocker panel to expose an opening between the chassis and the rocker panel. Position the hood latch cable out of the way. Rotate and remove the muffler assembly (with muffler heat shield if applicable) together through the opening.



**CAUTION**

When removing muffler assembly, avoid damaging O2 sensor, coolant temp sensor and its wiring.

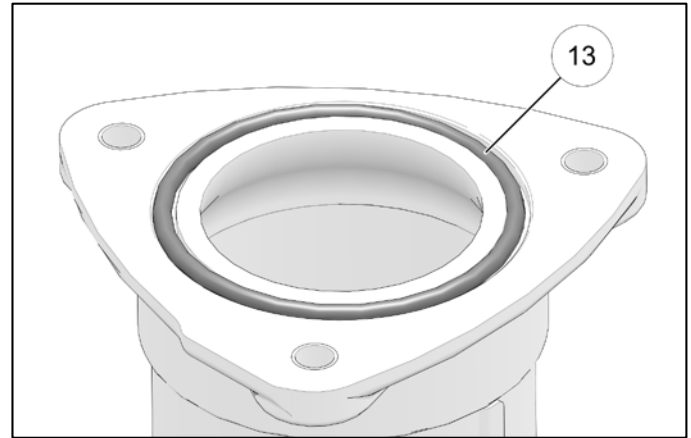
**CAUTION**

Avoid placing downward pressure on the coolant tank hose. Downward pressure may result in damage to the coolant tank barb.

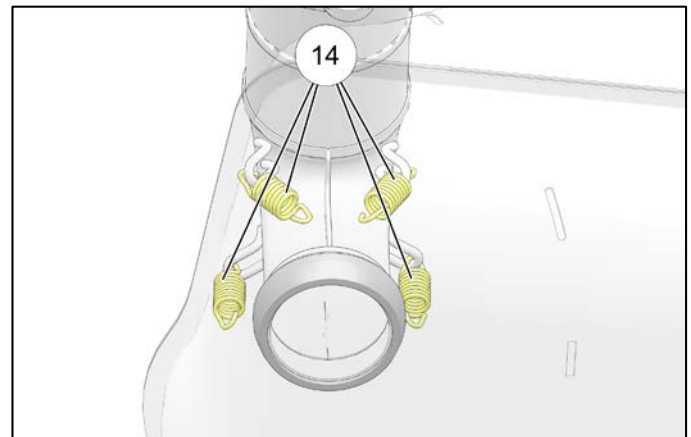
12. Carefully remove and discard exhaust manifold pipe gasket ⑬.

**NOTE**

Using a pick, pry up on gasket until it releases from the manifold. Be careful not to damage manifold pipe.



13. Remove four springs ⑭ securing the muffler to the exhaust catalyst. Discard the springs after disassembling.

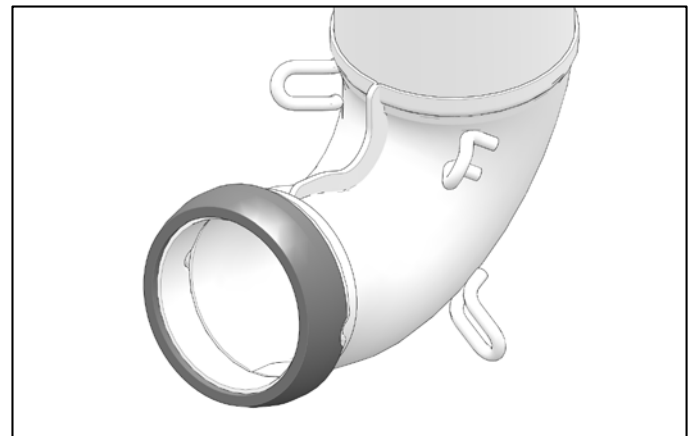


14. Separate the muffler from the exhaust catalyst assembly.

15. Remove the exhaust socket seal and discard.

**IMPORTANT**

NEW exhaust socket seal is required during assembly.

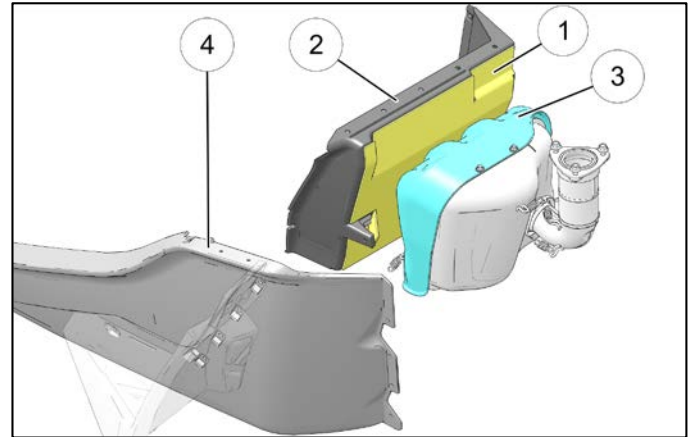


## INSPECTION:

1. Inspect thermal shield ①, which is adhered to passenger footwell, for signs of damage.
2. Inspect the composite footwell ② for signs of damage looking from the cockpit side (opposite from the thermal shield).
3. Select vehicles include a muffler heat shield ③. If applicable, inspect shield for thermal damage.
4. Inspect rocker panel ④ for damage. If Damaged, submit an "Ask Polaris" case for component replacement approval.

### NOTE

This Service Advisory authorizes the replacement of the muffler heat shield ③ only if the heat shield is present and shows evidence of damage at the time of inspection.



**US / CAN Dealers:** Submit an Ask Polaris > Service & Warranty Question > Vehicle Diagnostic Question Case, and attach photos of the damaged components.

**International Dealers:** Contact your Country Service Department.

### NOTE

If authorization to replace additional parts was received, take the necessary steps to remove and replace them. Refer to the online Slingshot service manual for details.

Models	Article #	Posted On	Article Subject
94 9928599_2018_Slino		7/27/2017	2015 - 2018 Slingshot

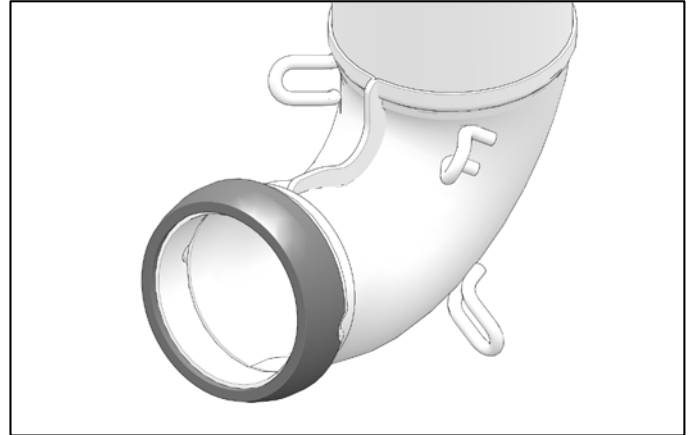


## MUFFLER INSTALLATION:

1. Install NEW exhaust socket seal (3610211) by assembling over exhaust catalyst assembly.

### IMPORTANT

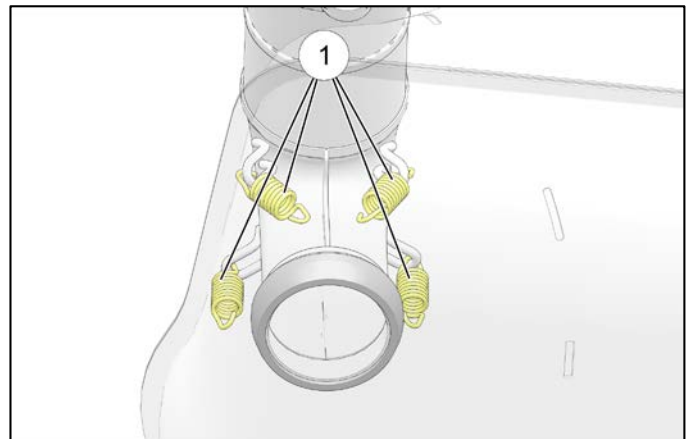
NEW exhaust socket seal is required during assembly.



2. Assemble muffer downpipe to the new muffer assembly (1262781) by securing four NEW springs ① (7043726).

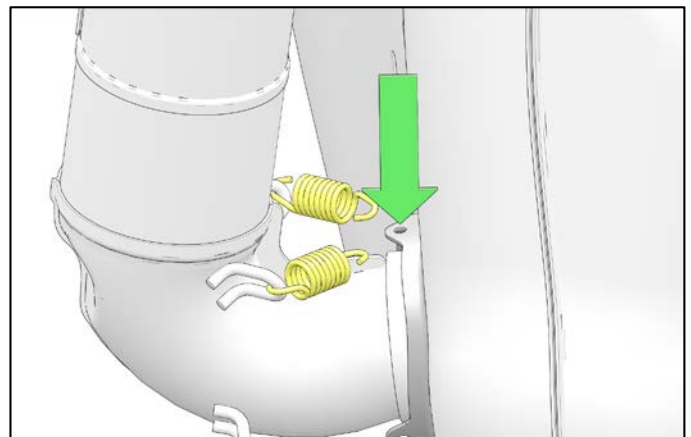
### IMPORTANT

NEW springs are required during assembly.

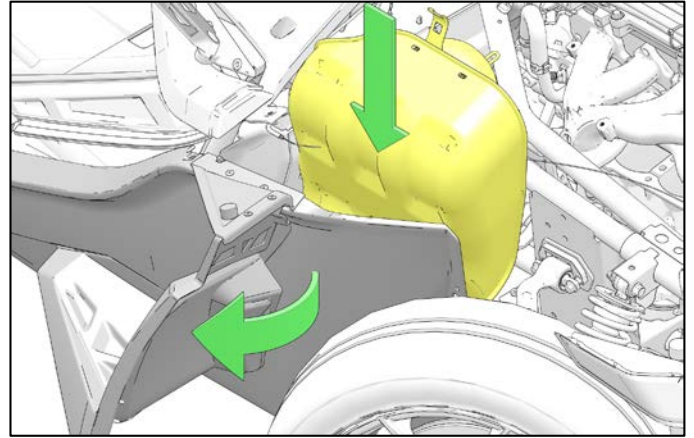


### NOTE

The top two springs share the same flange eyelet. Make sure the springs are secured to their proper eyelet locations during installation.



3. Gently pull outward on the rocker panel to expose an opening between the chassis and the rocker panel. Rotate and install the muffler assembly (with muffler heat shield if applicable) together through the opening.



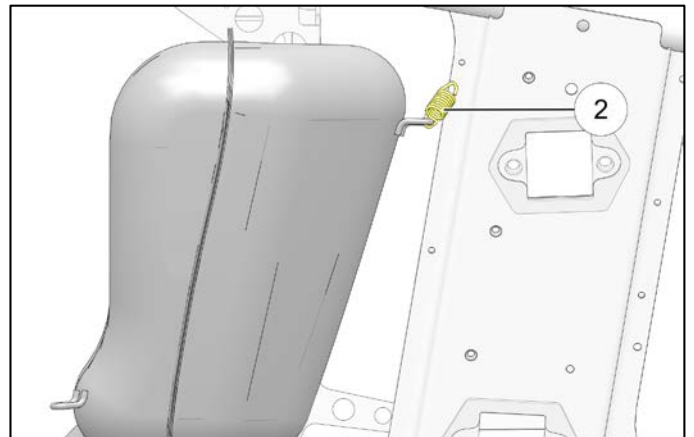
**CAUTION**

When installing muffler assembly, avoid damaging O2 sensor, coolant temp sensor and its wiring.

**CAUTION**

Avoid placing pressure on the coolant tank hose. This may result in damage to the coolant tank barb.

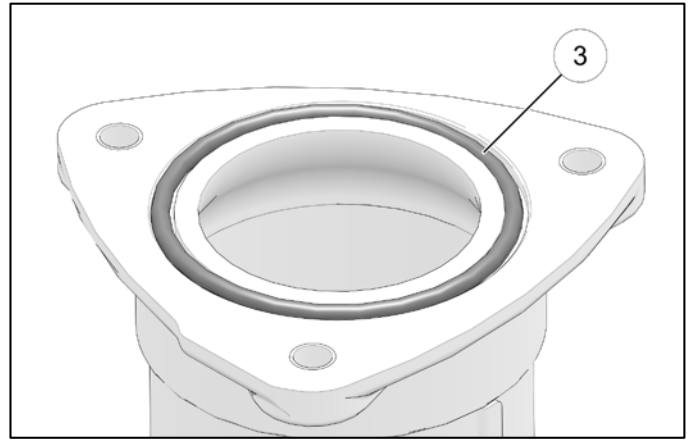
4. Install NEW upper spring (2) securing the muffler to the chassis.



5. Verify downpipe is not damaged. Install NEW exhaust manifold pipe gasket (3) (24505057).

### IMPORTANT

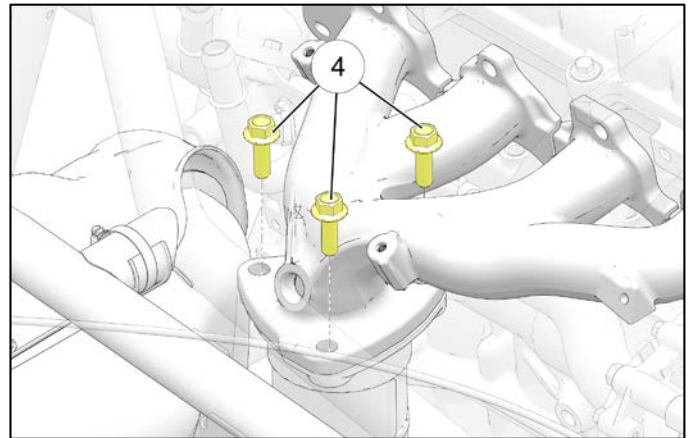
Verify exhaust manifold pipe gasket is properly installed in downpipe before installing fasteners.



6. Install three fasteners (4) securing the exhaust downpipe to the exhaust manifold. Torque to specification.

### TORQUE

Downpipe Fasteners:  
**37 ft-lbs (50 Nm)**

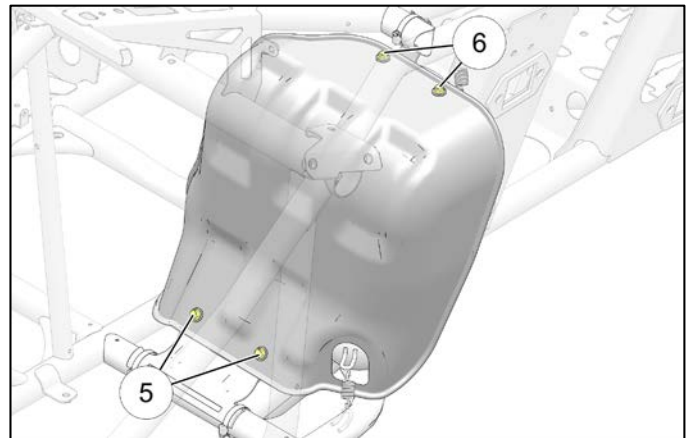


### FOR VEHICLES EQUIPPED WITH A MUFFLER HEAT SHIELD:

- A. Install two fasteners (5) securing the lower heat shield bracket to the muffler heat shield.
- B. Install two fasteners (6) securing the upper heat shield bracket to the muffler heat shield.
- C. Torque fasteners to specification.

### NOTE

Do not torque fasteners until all have been installed.



### TORQUE

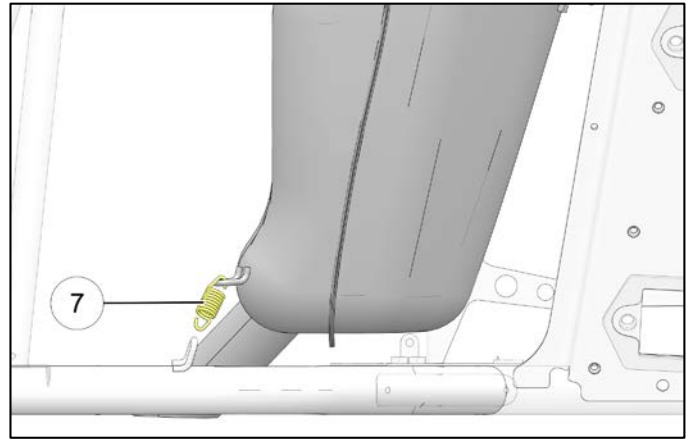
Heat Shield Fasteners:  
**36 in-lbs (4 Nm)**

7. If loosened, torque the top hose clamp to specification.

### TORQUE

Heat Shield Clamps:  
**12 in-lbs (1 Nm)**

8. Install the NEW lower spring (7) securing the muffler to the chassis.



**FOR VEHICLES EQUIPPED WITH AN EXHAUST MANIFOLD HEAT SHIELD**

- A. Install exhaust manifold heat shield. Install three fasteners (8) securing the exhaust manifold heat shield to the exhaust manifold.
- B. Torque fasteners to specification.

**TORQUE**

Exhaust Manifold Heat Shield Fasteners:  
**84 in-lbs (9 Nm)**



9. Align front passenger rocker panel holes and assemble fasteners.

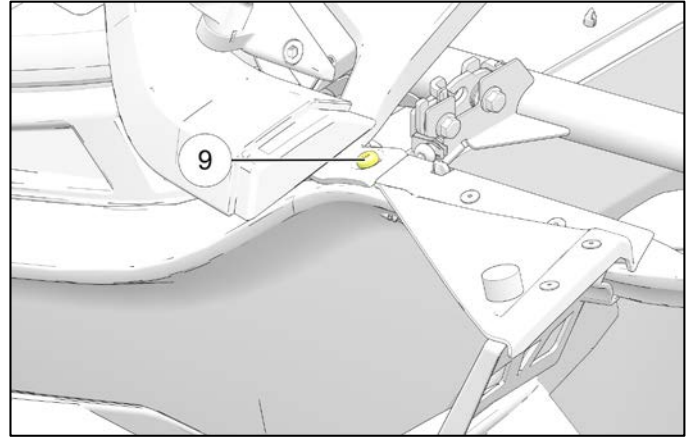
**IMPORTANT**

Do not tighten fasteners until all have been assembled.

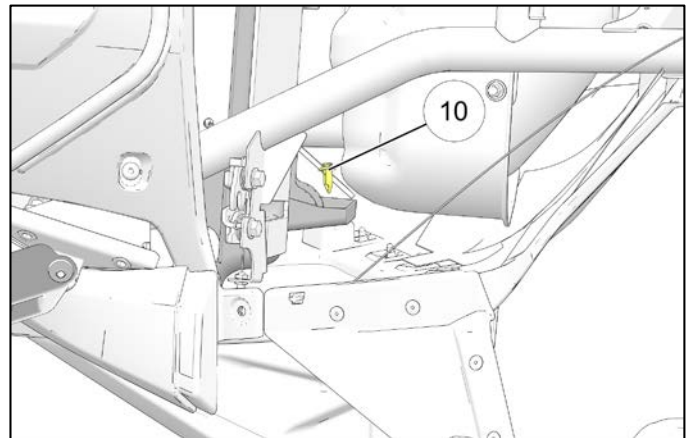
10. Install fastener ⑨ to the top of the rocker panel. Torque to specification.

**TORQUE**

Rocker Panel Fastener:  
**65 in-lbs (7 Nm)**



11. Install push rivet fastener ⑩.



12. Install passenger front rocker panel. Loosely install fasteners ⑪ and ⑫. Torque fasteners to specification.

**IMPORTANT**

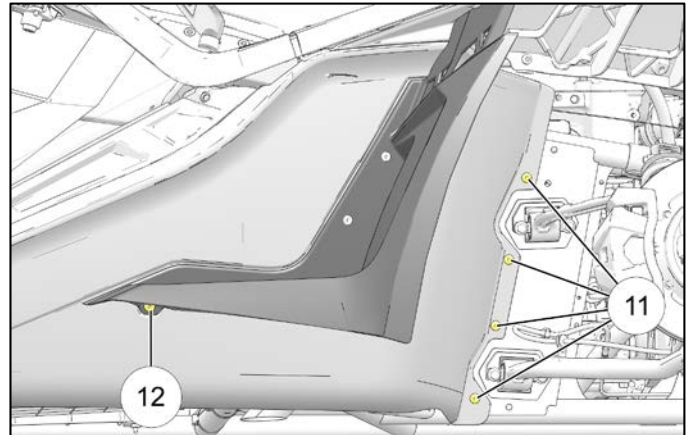
If applicable, make sure the long fastener ⑫ is used to secure the splash guard.

**TORQUE**

Long Rocker Panel Fastener ⑫:  
**50 in-lbs (6 Nm)**

**TORQUE**

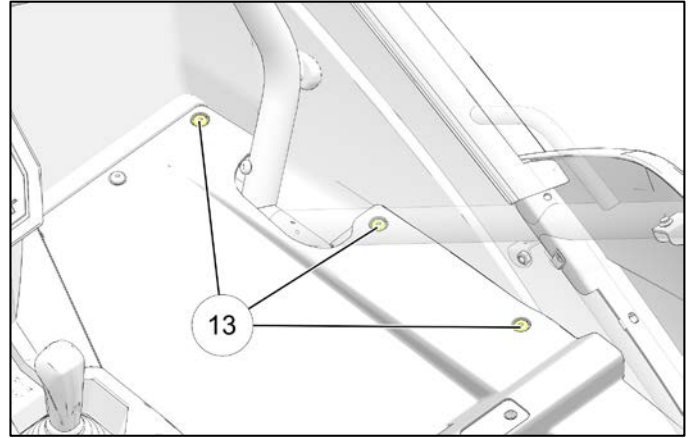
Short Rocker Panel Fasteners ⑪:  
**65 in-lbs (7 Nm)**



13. Install three lower passenger rocker panel fasteners ⑬. Torque fasteners to specification.

**TORQUE**

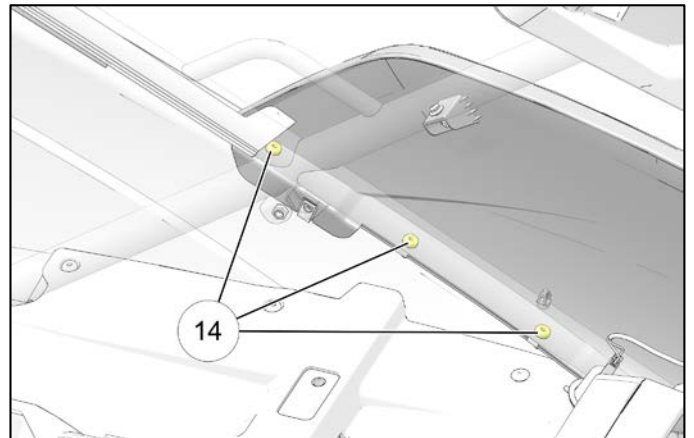
Rocker Panel Fasteners:  
**65 in-lbs (7 Nm)**



14. Install three top passenger front rocker panel fasteners ⑭.

**TORQUE**

Rocker Panel Fasteners:  
**65 in-lbs (7 Nm)**



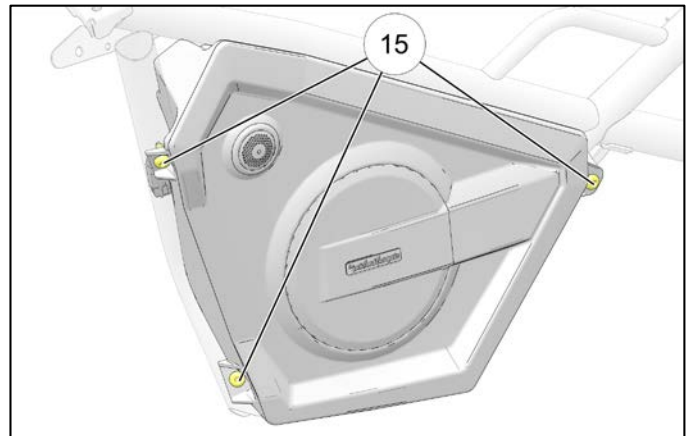
15. If applicable, install speaker enclosure. Torque fasteners ⑮ to specification.

**TORQUE**

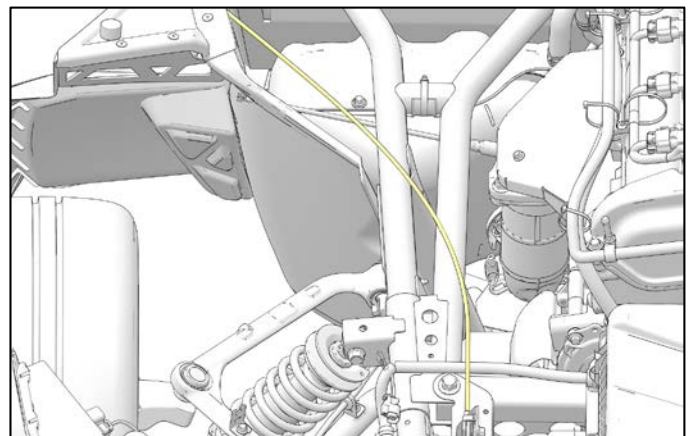
Speaker Enclosure Fasteners:  
**48 in-lbs (5 Nm)**

**IMPORTANT**

Make sure wires are not pinched between the speaker enclosure and frame rail.



16. Verify proper routing of the hood latch cable.



17. Start vehicle and turn radio on to verify the passenger side speaker is operational.
  
18. Field test the vehicle before putting into service. Check for indicator lights and listen for abnormal exhaust noises.

**⚠ CAUTION**

Exhaust components may be hot. Wait for exhaust to cool before performing service.

19. If equipped, verify the clearance between the top muffler seam and muffler heat shield after test drive. Adjust the heat shield as necessary.  
To adjust heat shield, loosen the three clamps ⑩ attaching the heat shield brackets to the chassis. Position heat shield in desired location and torque clamps to specification.

**TORQUE**

Heat Shield Clamps:  
**12 in-lbs (1 Nm)**

