



2011 Mustang GT ROUSHcharger Kit

P/N: 1312-TVSAUTO,
1311-TVSAUTOSUP

Installation Instructions

Application:

2011 Ford Mustang GT with 5.0L 4-Valve Engine with Automatic Transmission

Note: This is a supplemental kit and describes the additional installation requirements when the ROUSHcharger kit is installed on a vehicle with an automatic transmission. Use these instructions along with the manual kit installation instructions 1311-TVSCALIM.

PACKAGING LIST FOR 1311-TVSAUTOIM AUTO TRANSMISSION KIT

Description	Part Number	Qty
Clean Air Tube Assembly	1312-9B659	1
Connector, Vacuum 3/8" X 3/8" Straight	P2233A	1
Hose – Transmission Oil Cooler	GY2021-1/2	1
Clamp – Worm Type – Transmission Oil Cooler Line 3/4"	5407K58	1
Convolute/Loom - Split, black, 3/4"	1312-TRANSCONV	1
Cable tie – 14 in., black	7130K56	5
Clamp – Constant tension, 3/4" OD Hose	7329K13	1
Installation Instructions - Automatic Transmission Supplement	1311-TVSAUTOIM	1

If you are missing any items, please call us toll free at 1-800-59-ROUSH.

LIMIT OF LIABILITY STATEMENT

The information contained in this publication was accurate and in effect at the time the publication was approved for printing and is subject to change without notice or liability. Ford Racing Performance Parts reserves the right to revise the information presented herein or to discontinue the production of parts described at any time.

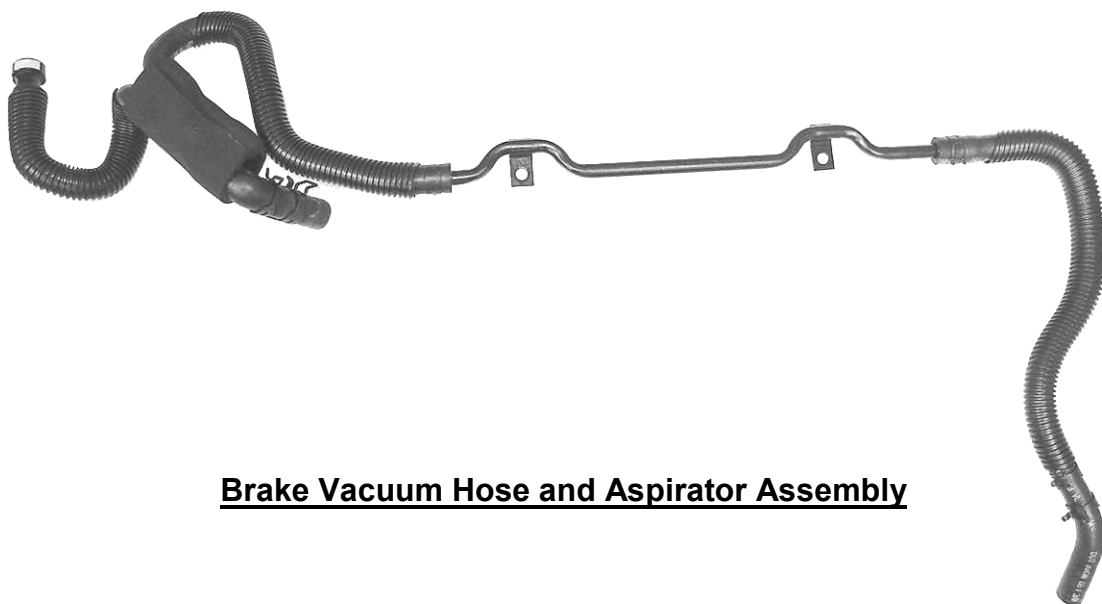
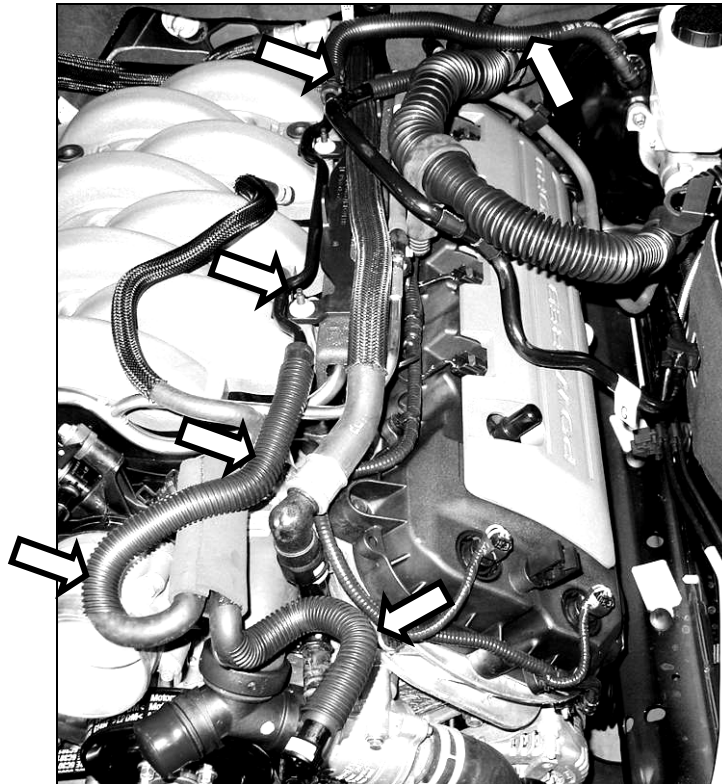
EQUIPMENT AND SUPPLIES REQUIRED

- 1/4" and 3/8" Drive Ratchets with Extensions
- Metric and Standard Socket Sets (short and deep recommended)
- Metric and Standard Wrench Sets
- 3/8" Drive Torque Wrench (7-35 ft-lb range)
- **1/2" Transmission Line Removal Tool**
- 6" Scale, Tape Measure, or Other Measuring Device
- Assembly Lubricant (White Lithium Grease or Petroleum Jelly)
- Electrical Tape
- Sharp Knife or Razor Blade

SECTION A – DISASSEMBLY

Insert this step in 1311-TVSCALIM at: Page 15, Step 20, Section A - Dissassembly

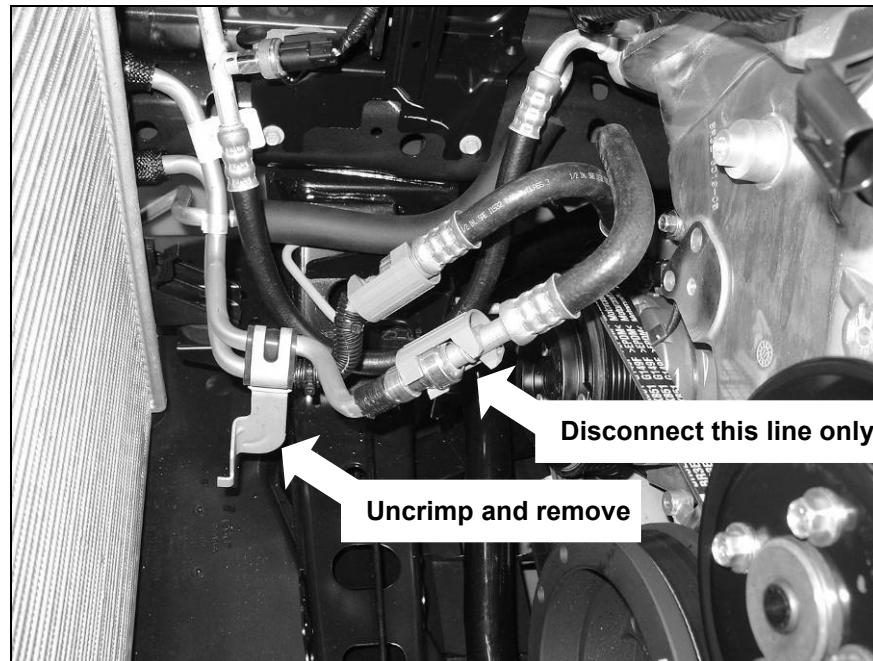
1. Disconnect the brake booster vacuum hose and aspirator assembly from the vehicle and set aside.



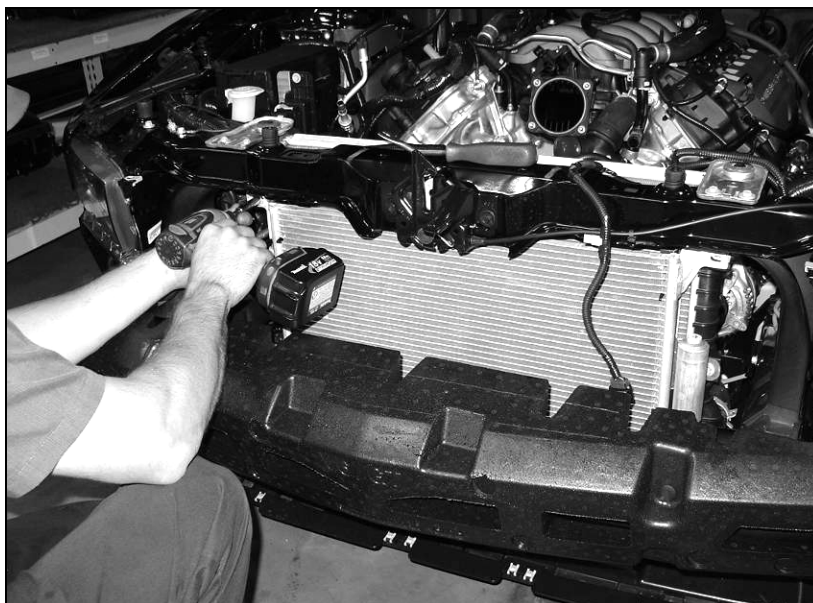
Brake Vacuum Hose and Aspirator Assembly

Insert this step in 1311-TVSCALIM at: Page 18, after Step 36, Section A - Dissassembly

2. Disconnect and remove the transmission oil cooler lines support bracket from the cooling fan module. Uncrimp the bracket from the transmission cooler lines and discard the bracket and isolator. Disconnect the transmission oil cooler line at the quick connect fitting. Use the ½" transmission line connector removal tool.



3. Remove the four fasteners holding the AC condenser to the cooling module and shift the AC condenser forward and down. Do not disconnect any AC lines.



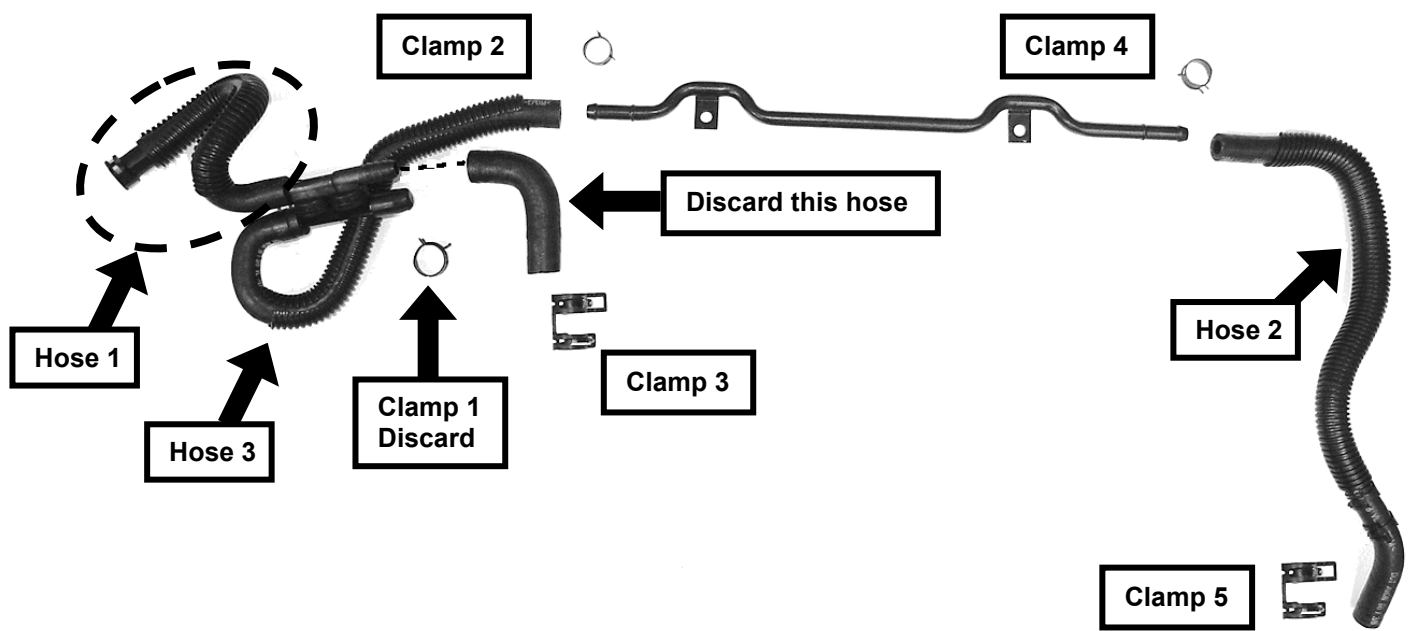
4. Disconnect the transmission cooler hose from the transmission oil cooler. Remove the hose clamp for reuse.



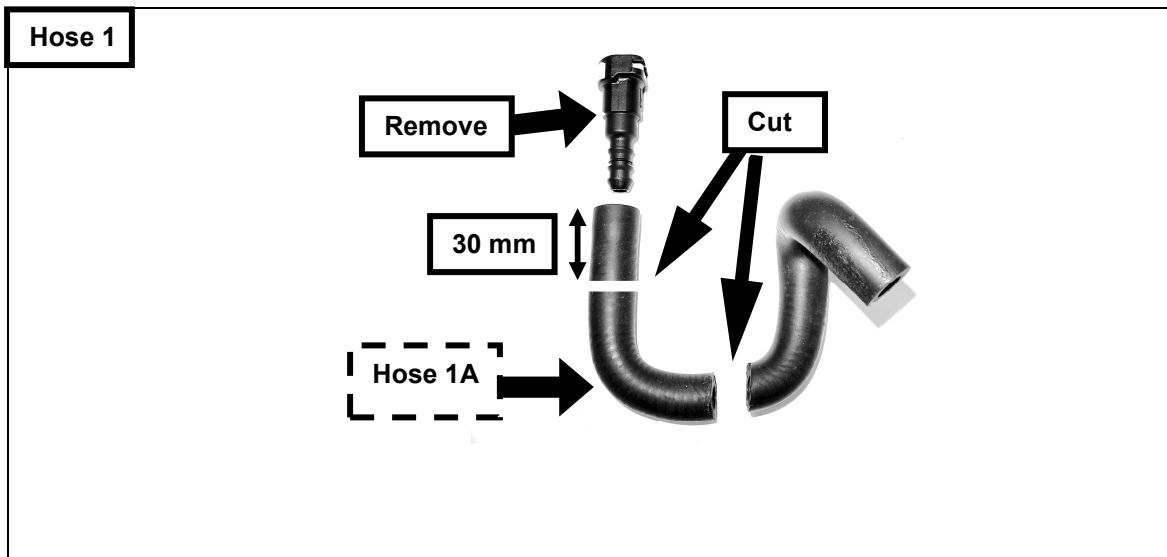
SECTION B – MODIFICATIONS

These steps replace Step 2 on page 20 in 1311-TVSCALIM

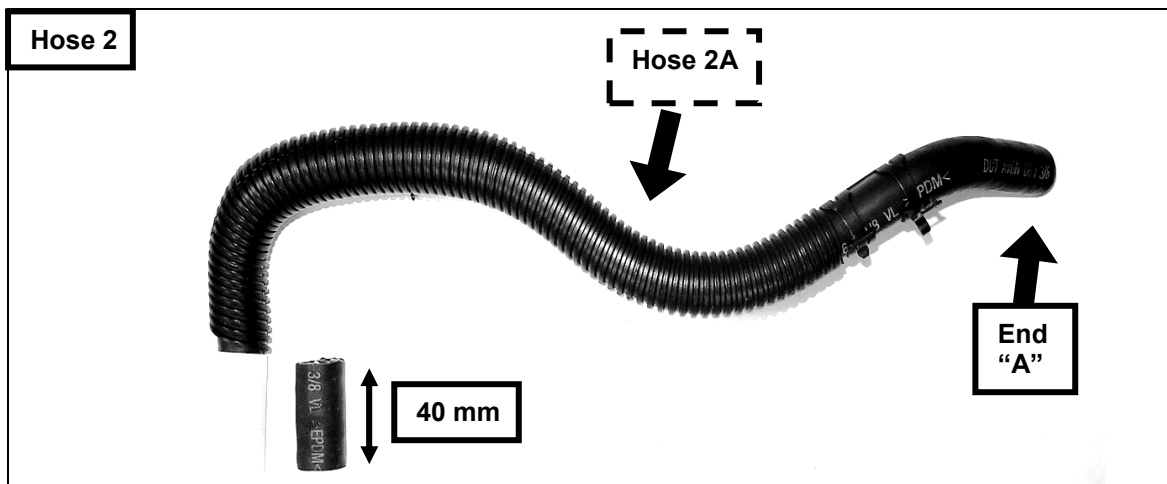
1. Retrieve the brake vacuum hose and aspirator assembly and place it on a work bench.
2. Disassemble the vacuum hose assembly and lay it out on the bench as shown.



3. Remove convolute and discard. Modify Hose 1 as shown.

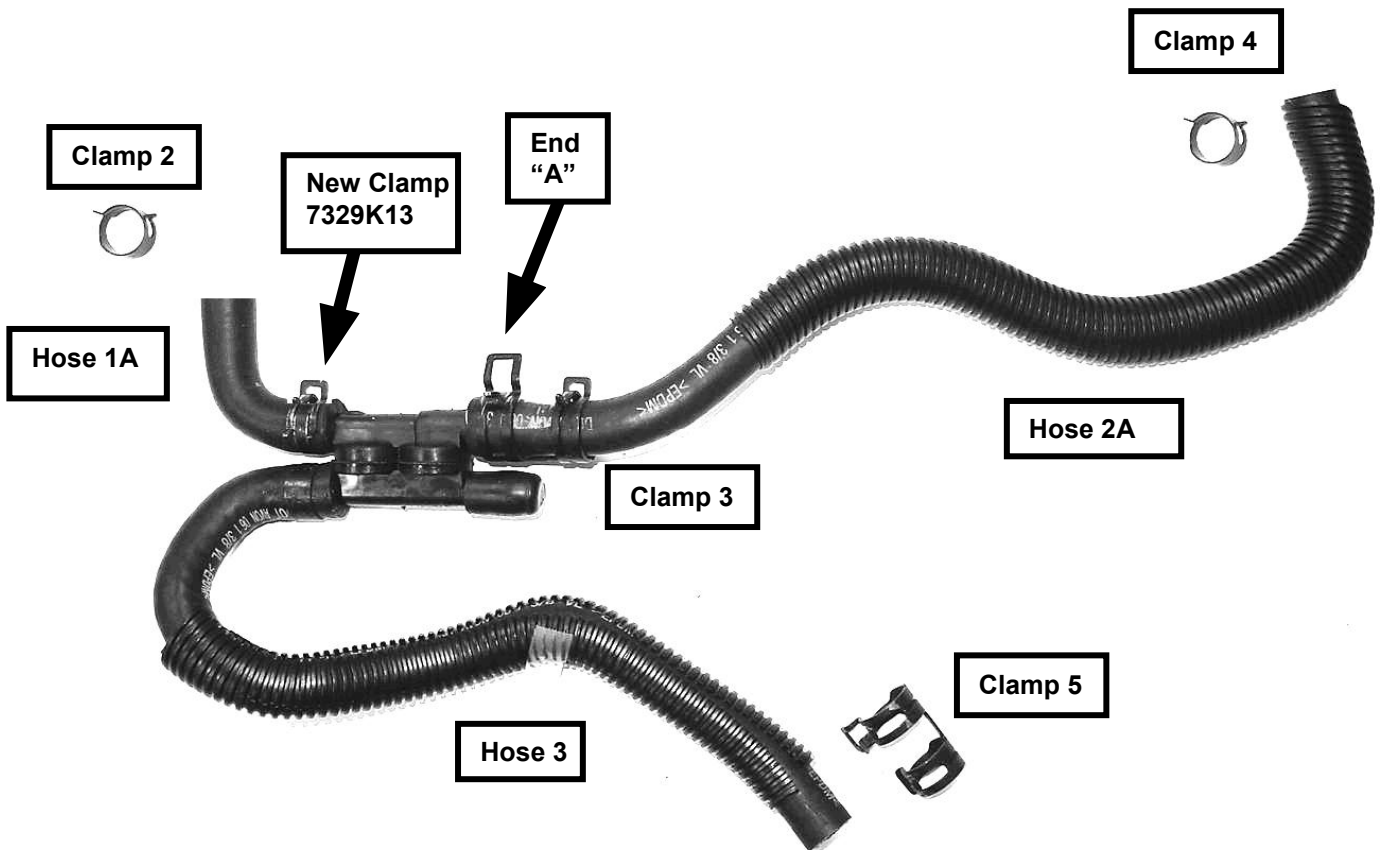


4. Modify Hose 2 as shown.



Brake Vacuum Hose and Aspirator Assembly

Attach End "A" of Hose 2A to the aspirator assembly as shown. Attach Hose 1A as shown.



This step replaces Step 4 in 1311-TVSCALIM on Page 40, Section C - Subassembly

Using the finished brake vacuum aspirator assembly from Section C – Subassembly, install the end of hose 2A to the fitting on the throttle body spacer. Secure the hose with Clamp 4.

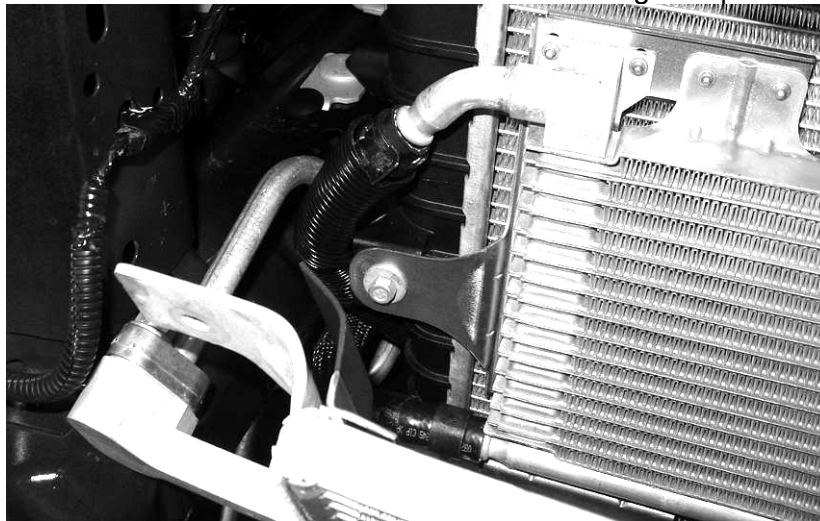


SECTION D – INSTALLATION

Insert this step in 1311-TVSCALIM at: Page 42, before Intercooler Reservoir Mounting,
Section D - Installation

Automatic Transmission Oil Cooler Hose

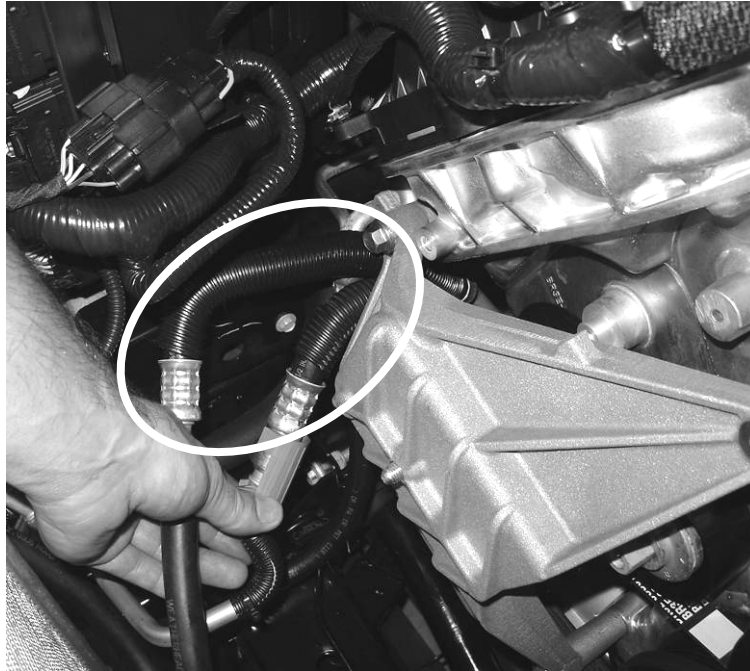
1. Wrap the transmission hose provided in the parts kit (GY2021-1/2) with $\frac{3}{4}$ " split convolute provided in the parts kit (1312-TRANSCONV). Finish the ends with electrical tape. Attach one end to the oil cooler outlet and route as shown. Reuse existing clamp.



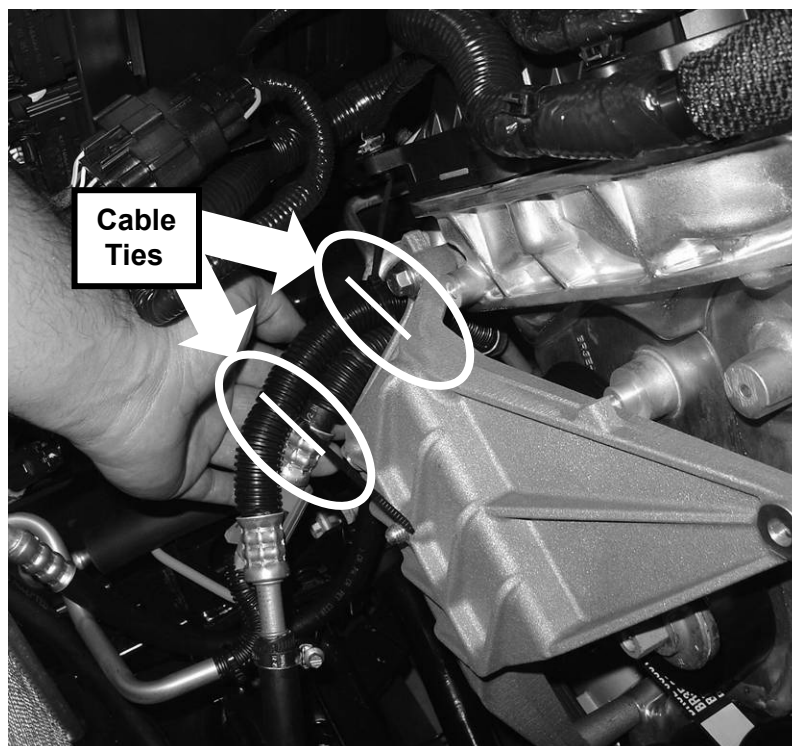
2. Attach the opposite end of the transmission oil cooler hose to the transmission line straight connector as shown. Secure the hose to the connector using the $\frac{3}{4}$ " worm clamp (5407K58) provided in the parts kit. The transmission oil cooler hose is shown without the $\frac{3}{4}$ " convolute for clarity.



3. Wrap both transmission oil cooler hoses coming from the transmission with 12 inches of $\frac{3}{4}$ " split convolute at the FEAD bracket as shown. Finish the ends with electrical tape.



4. Secure the two transmission oil cooler lines to each other and the AC line at the FEAD bracket in two places using the cable ties supplied in the parts kit. Inspect the hose routings to ensure there are no pinched hoses and the convolute is positioned to prevent hose abrasion from other components.

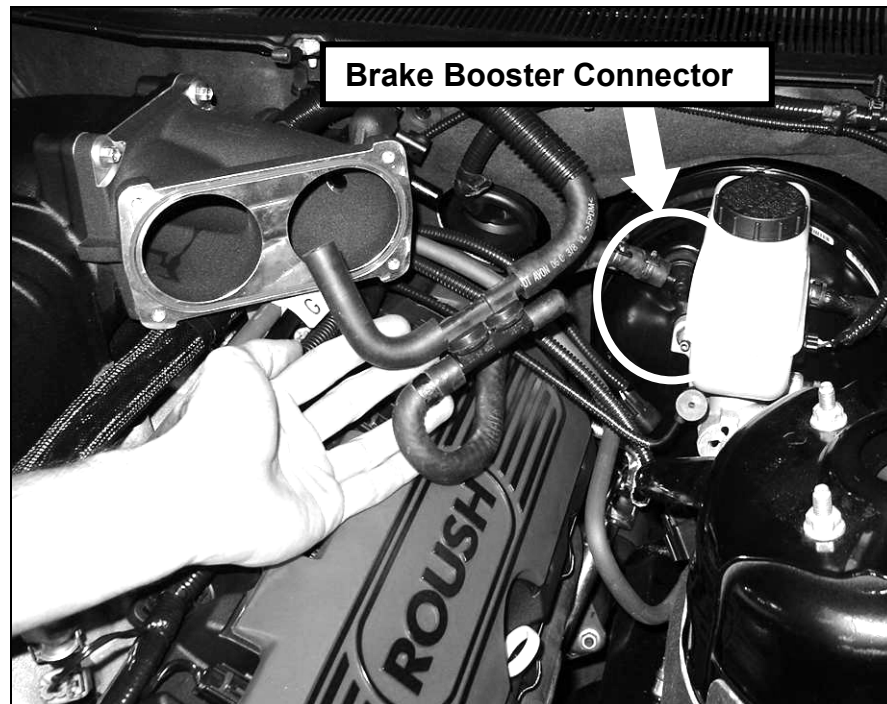


5. Wrap the other transmission oil cooler line with 12 inches of $\frac{3}{4}$ " split convolute as shown. Finish the ends with electrical tape.



This step replaces Step 11 in 1311-TVSCALIM on Page 52, Section D – Installation

Connect the end of hose 3 of the Brake Aspirator Assembly to the brake booster connector. Secure the connection using Clamp 5



Insert this step in 1311-TVSCALIM at: Page 64, after Step 2, Section D - Installation

Insert the 3/8" x 3/8" straight vacuum connector (P2233A) into the clean air tube



Insert this step in 1311-TVSCALIM at: Page 65, after Step 4, Section D - Installation

1. Connect Hose 1A of the Brake Vacuum Aspirator Assembly to the 3/8" vacuum port on the Clean Air Tube



2. Review the Brake Vacuum Aspirator Assembly in the vehicle to ensure there are no pinched hoses and the convolute is positioned to prevent hose abrasion from other components. Final installation should look like the image below.

