

ATTENTION:
 GENERAL MANAGER
 PARTS MANAGER
 CLAIMS PERSONNEL
 SERVICE MANAGER

IMPORTANT - All
 Service Personnel
 Should Read and
 Initial in the boxes
 provided, right.

QUALITY DRIVEN® SERVICE



REPAIR PROCEDURE

SUBJECT: Repair Procedure for Subaru Recall
 Campaign WVS-29; 2010 & 2011 Legacy
 and Outback 6 Speed M/T Transfer Case

DATE: July 16, 2010
Revised July 20, 2010

INTRODUCTION

The following repair procedure is intended for vehicles with less than 6,250 miles. The WVS-29 Campaign Bulletin will include instructions for affected vehicles with 6,250 miles or more. This procedure will entail removing the transfer case with the transmission remaining in the vehicle.

SPECIAL TOOLS

Repairs associated with this recall require the use of a special tool kit. Each dealer that has either sold or has an affected vehicle in inventory has automatically been sent a Transmission Drilling tool kit p/n SOA008T001.

PARTS INFORMATION

SOA has automatically shipped each dealer a quantity of repair parts equivalent to their affected inventory and sold units.

The following is a list of parts required for this repair:

DESCRIPTION	PART NUMBER
GSKT-CASE RR	32145AA030
GSKT_26.3x32.x1	803926090
Gasket-Exhaust Pipe Rear	44022AA122
Gasket-Exhaust Joint	44616AA030
Gear Oil	SOA635001 - 1 qt qty. for claim purposes only. (K0322AA093 - 5 gallon pail)

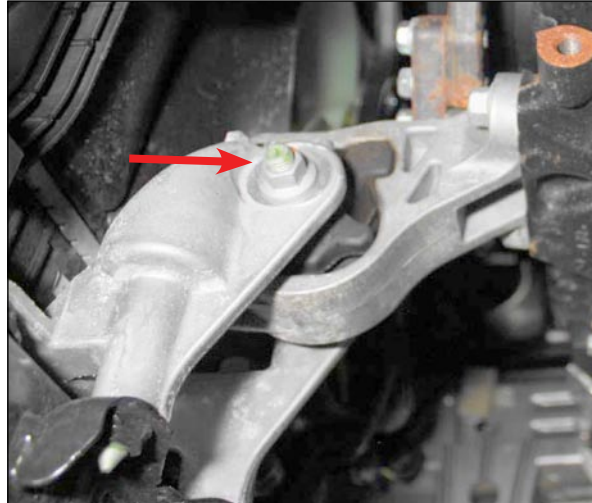
SERVICE PROCEDURE

- 1) Record preset radio stations
- 2) Position the vehicle on a lift and put the transmission in neutral.
- 3) Disconnect the negative battery cable.
- 4) Refer to Technical Reference Booklet for 2010 New Technology Training (Module 919) to install special tool J-50135 (Engine Support Bridge).

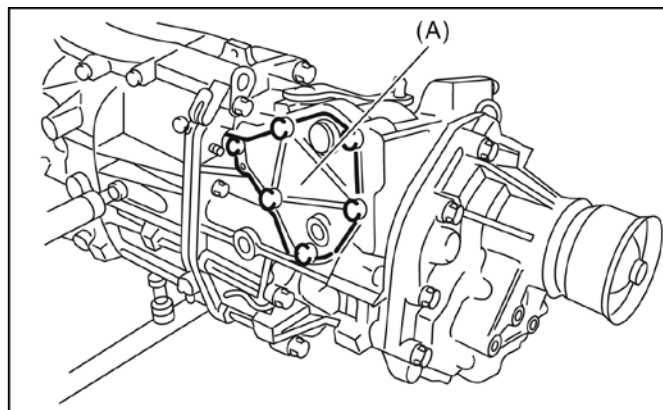
Note: For this procedure only, it is not necessary to replace the rear engine support hook with ST J-50136 as the entire engine weight is not being supported.

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- 5) With engine weight supported by ST, remove the horizontal bolt from the front engine mount.

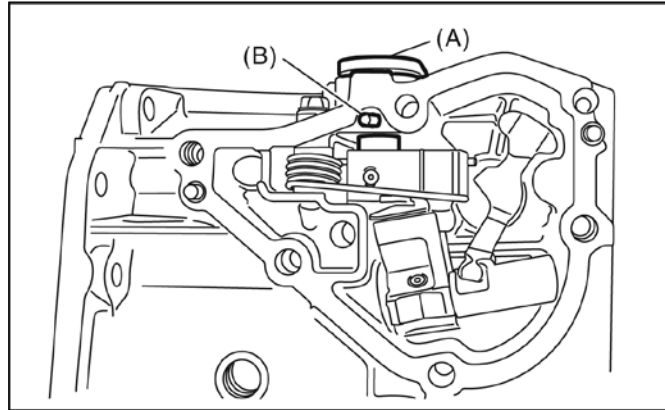


- 6) Refer to the appropriate service manual to perform the following procedures:
- Remove the air intake boot assembly
 - Remove the center exhaust pipe
 - Remove the propeller shaft
 - Remove the transmission cross member
 - Remove the rear transmission mount
 - Drain transmission fluid.
- 7) Use the engine support bridge to raise the front of the engine so the bottom of the engine mount bolt hole is at the top of the engine mount bracket. This will lower the back of the transmission to allow for transfer case removal.
- 8) Refer back to the service manual to perform the following procedures:
- Disconnect the wiring harness connectors from transfer case
 - Remove wiring harness bracket
 - Remove shift cables from transmission
- 9) Remove transmission cover (A) carefully as there is a spring and plunger on the backside of the cover. Be careful not to drop the spring and plunger.

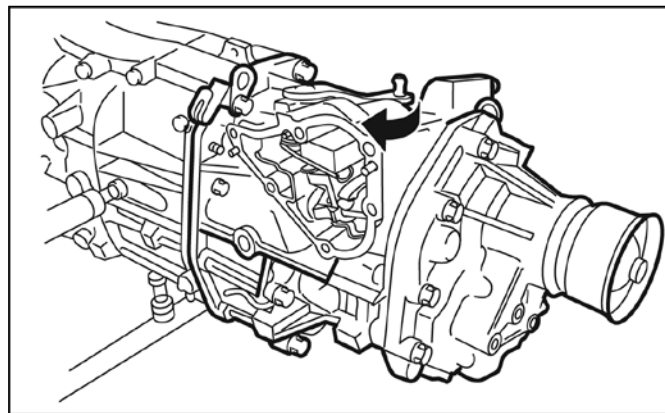


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Note: Remove straight pin (B) and set aside. Selector Lever (A) will remain in place
Caution: Do not drop straight pin into transmission.



10) Set and hold the selector lever to the 1st-2nd side, and remove the transfer case and extension case assembly as a unit.



11) Remove oil guide



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- 12) Install clear plastic protector plate into transmission side of transfer case. Push the cover into the transfer case as far as possible. The cover should be bottomed-out so the filings drop out of the case when drilling.



- 13) Use the included C-clamps to secure the transfer case to a workbench.



- 14) Before installing the jig to the transfer case, ensure that the drill bit moves freely within the guide. If the drill bit catches the bracket on the backside of the jig, lightly tap the bracket to allow free movement of the drill bit.

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- 15) Install the jig to the transfer case and secure with 2 bolts, one at the top and one at the bottom of the jig.



- 16) Attach an adequate vacuum source to the suction hose of the jig.
- 17) With the vacuum running, drill the transfer case through the drill bit guide. Do not drill past the paint mark on the drill bit.

Caution: Be sure to wear safety glasses when drilling.

Note: Drill slowly to prevent large pieces of aluminum from clogging suction hose.



- 18) Remove the jig.
- 19) Use a round file to remove any burrs on the newly drilled hole in the transfer case.
- 20) Remove any remaining filings from both sides of the new hole with brake cleaner and wipe with a clean rag.
- 21) Remove C-clamps and remove clear plastic protective cover. Again, check for metal filings in the transfer case cavity and clean as necessary.
- 22) Reinstall oil guide.
- 23) Reinstall transfer case in reverse order of removal.
- 24) Reconnect negative battery cable.
- 25) Reset radio stations.

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CLAIM REIMBURSEMENT AND ENTRY PROCEDURES

Credit to perform this service program will be based on the submission of properly completed repair order information. Dealers may submit claims through Vehicle Claim Entry on Subarunet.com.

CLAIM TYPE	CAMPAIGN CODE	LABOR	LABOR OPERATION
RC	WVS-29	A132-251; 2.1 hrs.	6MT TRANSFER CASE REPAIR

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