



NUMBER: 21-011-15

GROUP: Transmission and Transfer Case

DATE: February 28, 2015

This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, or otherwise, without written permission of FCA US LLC.

THIS SERVICE BULLETIN IS ALSO BEING RELEASED AS RAPID RESPONSE TRANSMITTAL (RRT) 15-024. ALL APPLICABLE SOLD AND UN-SOLD RRT VIN'S HAVE BEEN LOADED. TO VERIFY THAT THIS RRT SERVICE ACTION IS APPLICABLE TO THE VEHICLE, USE VIP OR PERFORM A VIN SEARCH IN TECHCONNECT. ALL REPAIRS ARE REIMBURSABLE WITHIN THE PROVISIONS OF WARRANTY.

SUBJECT:

Transmission Fluid Overfill After Repair

OVERVIEW:

This bulletin involves inspecting and adjusting the transmission fluid to the correct level.

MODELS:

2014-2015

(MK)

Jeep Compass/Patriot

NOTE: This bulletin applies to vehicles built on or after February 21, 2013 (MDH 0221XX) and on or before August 28, 2014 (MDH 0828XX) equipped with a 6 speed automatic transmission (sales code DA4).

SYMPTOM/CONDITION:

A small number of customers may experience slight reduction in transmission performance after a recent repair. This may be due to an overfill condition after incorrect fill procedures being followed at the time of the repair.

DIAGNOSIS:

Using a Scan Tool (wiTECH) with the appropriate Diagnostic Procedures available in TechCONNECT, verify no DTCs are set. If DTCs are present record them on the repair order and repair as necessary before proceeding further with this bulletin.

If a customer's VIN is listed in VIP or your RRT VIN list, perform the repair. For all other customers that describe the symptom/condition listed above, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1 (AR)	68192666AA	Gasket, oil drain plug
(A/R)	68171866AB (ATF SP-IV M)	Fluid, Automatic Transmission

REPAIR PROCEDURE:

1. Using wiTECH navigate to the transmission data and locate the transmission fluid temperature.
2. Allow the vehicle to run until the transmission fluid temperature reaches between 50°C and 60°C (122°F and 140°F). If necessary, test drive the vehicle in a suitable location until the transmission is at the optimal temperature.
3. With the engine at idle, apply the service brakes and perform the following shifts staying in each gear for a minimum of 2 seconds.
 - a. Park to Reverse.
 - b. Reverse to Neutral.
 - c. Neutral to Drive
 - d. Drive to Park
4. Repeat [Step #3](#) one more time and then proceed to [Step #5](#).
5. Raise the vehicle on a suitable hoist. Refer to detailed hoisting procedures in DealerCONNECT/TechCONNECT Service Information Section 04 - Vehicle Quick Reference> Hoisting> Standard Procedure> Hoisting.
6. Remove the belly pan to gain access to the fluid check plug on the lower part of the valve body cover. Refer to detailed service procedures in DealerCONNECT/TechCONNECT service information section 13 - Frame and Bumpers> Under Body Protection> Belly Pan> Removal.
7. Place a clean suitable measuring container under the oil level check plug. Measuring container must hold at least 1000 ml (34 fl oz.)

NOTE: The check plug gasket may remain in the valve body cover pan when removing the plug.

8. With the engine running, remove the oil level check plug, see ([Fig. 1](#)), and capture the fluid that drains out for a total of 3 minutes.

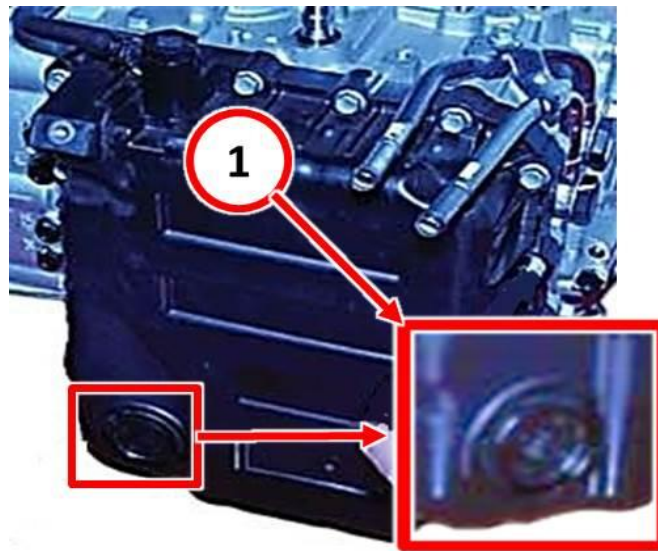


Fig. 1 Valve Body Cover

1 - Fluid Level Check Plug

9. If there is no fluid flow initially, slowly add fluid through the differential access port (see (Fig. 2)) until fluid begins to flow. Once fluid begins to flow, stop adding fluid and begin the 3 minute drain.



Fig. 2 Transaxle Differential Access

1 - Differential access port

10. At the end of 3 minutes reinstall the oil level check plug in the valve body cover pan, turn off the engine, and measure the amount of fluid that was captured.
11. Is the amount of fluid captured more than 1000 ml (34 fl oz.)
 - a. Yes>>> Proceed to [Step #12](#).
 - b. No>>> Proceed to [Step #24](#).

NOTE: Replace the oil drain plug gasket at the conclusion of this procedure.

12. Remove the drain plug located at the bottom of the transmission case and allow the fluid to drain freely until it stops. Discard the original drain plug seal.
13. Once fluid stops draining, reinstall the drain plug using a new seal and tighten to 40 nm (30 ft lb).
14. Lower the vehicle.
15. Remove the differential access port plug and add 3000 ml (101.5 fl oz.) of transmission fluid through the differential access port and reinstall the plug.
16. Start the engine and allow the vehicle to run until the transmission fluid temperature reaches between 50°C and 60°C (122°F and 140°F)
17. With the engine at idle, apply the service brakes and perform the following shifts staying in each gear for a minimum of 2 seconds.
 - a. Park to Reverse.
 - b. Reverse to Neutral.
 - c. Neutral to Drive
 - d. Drive to Park
18. Repeat [Step #17](#) one more time and then proceed to [Step #19](#).
19. Raise the vehicle and place a clean suitable container under the oil level check plug.
20. With the engine running, remove the oil level check plug from the valve body cover pan and capture the fluid that drains out for 3 minutes.
21. If there is no fluid flow initially, slowly add fluid through the differential access hole until fluid begins to flow. Once fluid begins to flow, stop adding fluid and begin the 3 minute drain.
22. At the end of 3 minutes reinstall the oil level check plug, turn off the engine and measure the amount of fluid that was captured.
23. Is the amount of fluid captured more than 1000 ml (34 fl oz.)
 - a. Yes>>> Proceed back to [Step #12](#). You will not need to replace the drain plug seal again as stated in [Step #12](#).
 - b. No>>> Proceed to [Step #24](#).
24. Remove the differential access port plug and add 700 ml (24 fl oz.) of fluid.
25. Reinstall the differential access port plug and tighten to 40 nm (30 ft lb).
26. Reinstall the belly pan. Refer to detailed service procedures in DealerCONNECT/TechCONNECT service information section 13 - Frame and Bumpers> Under Body Protection> Belly Pan> Installation.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
21-00-10-90	Fluid, Automatic Transmission - Level Check and adjust. Transmission draining not needed. (1 - Skilled)	2 - Automatic Transmission	0.7 Hrs.
21-00-10-91	Fluid, Automatic Transmission - Level Check, Drain and adjust. (1 - Skilled)	2 - Automatic Transmission	1.0 Hrs.

FAILURE CODE:

ZZ	Service Action
----	----------------