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Service Information Bulletin

SUBJECT	DATE
DT12 Transmission	January 2017

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0140	DT Transmission	Reassembly of Base Transmission	This is a new section.



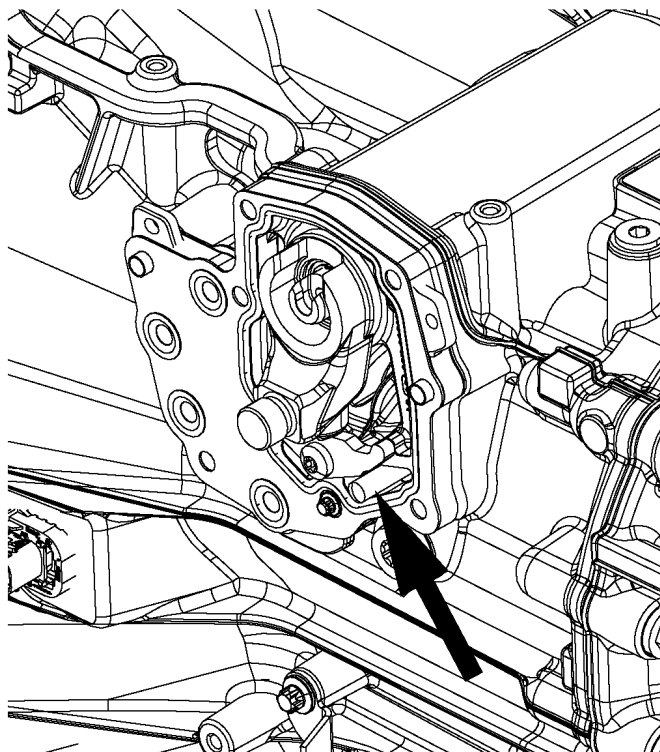
13400 Outer Drive, West, Detroit, Michigan 48239-4001
 Telephone: 313-592-5000
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2 Reassembly for Base Transmission

Reassemble as follows:

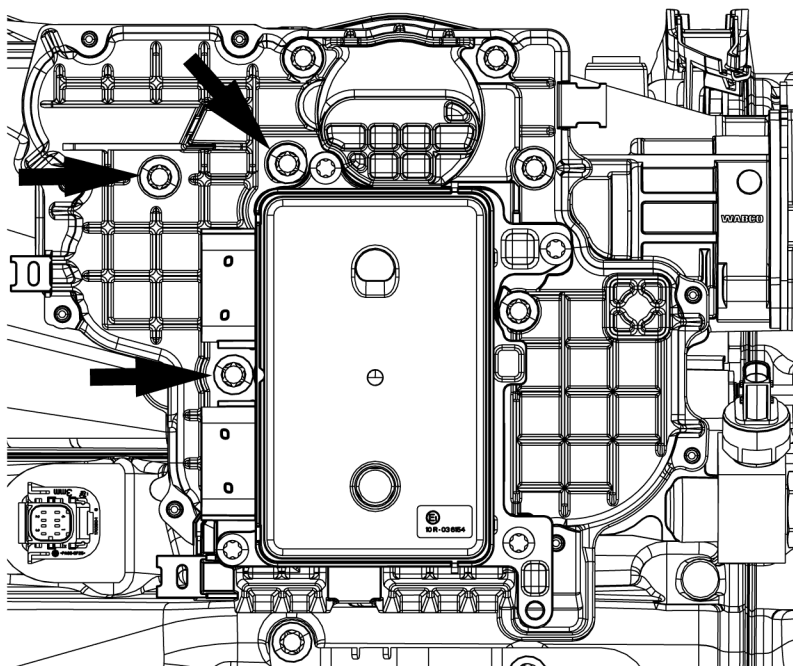
NOTICE: Before installing the shift controller, make sure the split position pushrod is in the retracted position as shown below. The split pushrod sensor may break if the shift controller is installed with the splitter extended.

1. Inspect the surface facing the seal and hang a new seal on the controller alignment dowels.



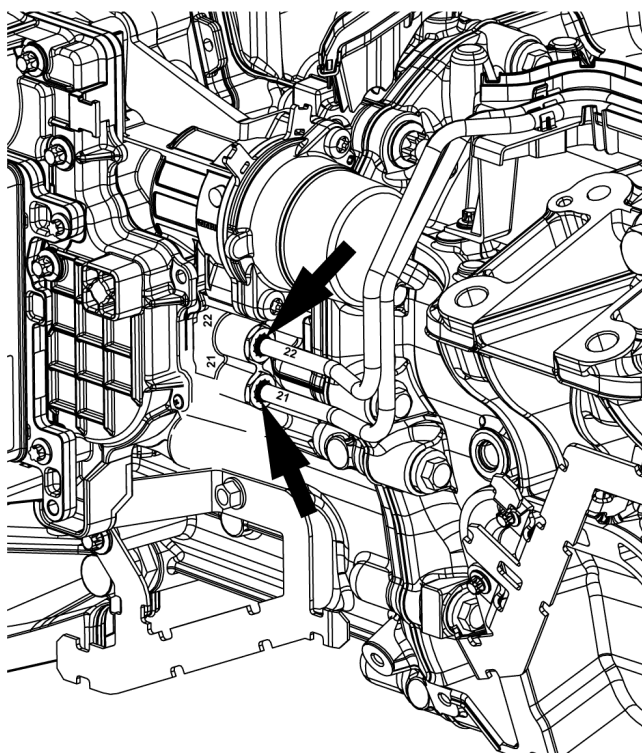
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2. Apply thread locker/sealant to the three forward, shift controller bolts. Install the bolts into the shift controller housing.



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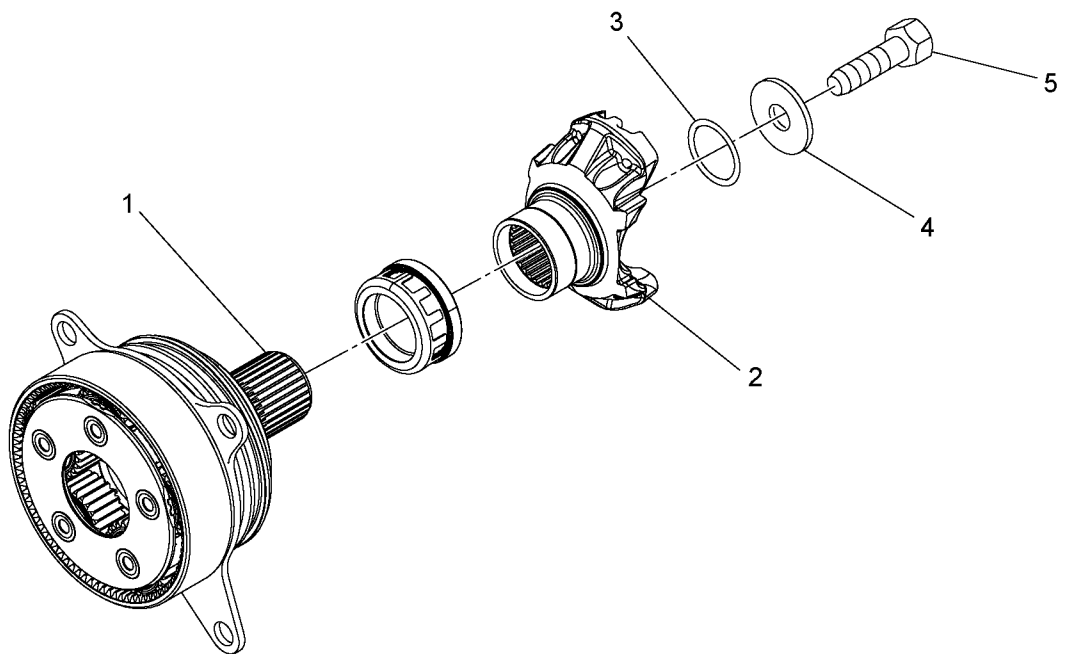
3. With the gate actuator fully extended, raise the controller into position, move it against the transmission, then down, to hook the gate actuator onto the lever.
4. Tighten the shift controller bolts to 25 N·m (18 lb·ft).
5. Install the transmission harness connector to the TCM.
6. Connect the air harness to the shift controller.



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7. Install the air pressure adapter bolt with the sensor. Tighten the bolt to 70 N·m (52 lb·ft).
8. Install the oil temperature sensor harness connector.

9. Install the air pressure sensor harness connector.

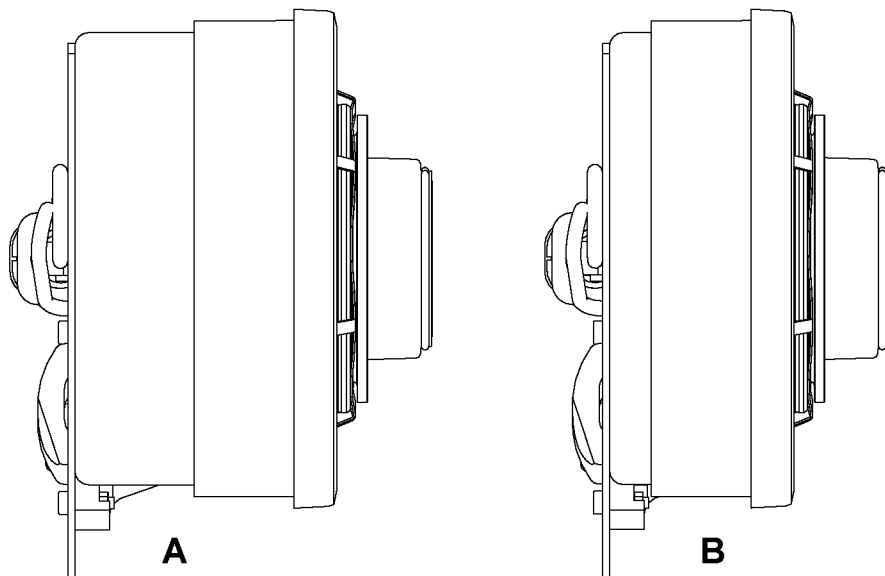


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10. Lubricate the clutch actuator O-ring with grease.

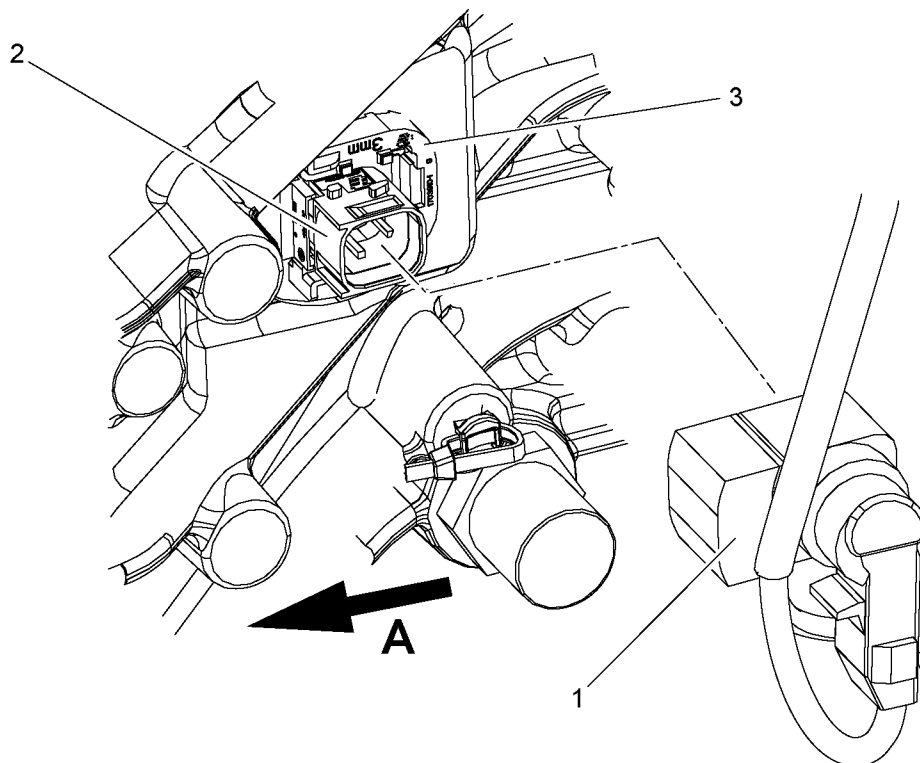
NOTE: If the clutch actuator is not fully collapsed, it will be difficult to mate the bell housing to the engine.

11. Install the clutch actuator loosely. Collapse the actuator (refer to position B), then torque the mounting bolts to 55 N·m (40 lb·ft).



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12. Insert the pass-through connector (2), and then install the retaining clip (3). Reconnect the transmission harness connector (1).



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13. Install the transmission. Refer to section "Installation of the Transmission".
14. Connect the chassis wire harness to the TCM, and secure the harness.
15. Install the air supply connection on the shift controller. Tighten the fitting 40 to 47 N·m (30 to 35 lb·ft).


CAUTION: ELECTRICAL SHOCK

To avoid injury from electrical shock, use care when connecting battery cables. The magnetic switch studs are at battery voltage.

16. Connect the batteries.
17. Connect DiagnosticLink[®]; under the Actions drop down menu, perform the "Transmission Learn Procedure".