

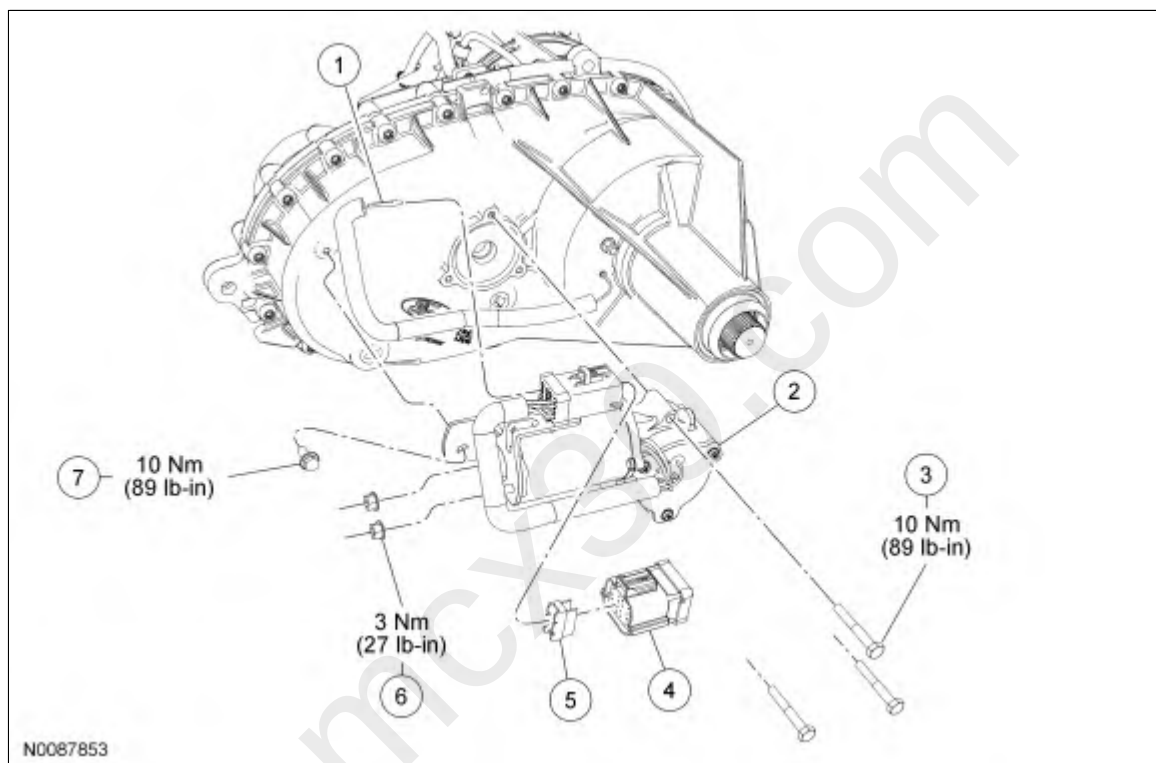
SECTION 308-07A: Four Wheel Drive (4WD) Systems
REMOVAL AND INSTALLATION

2014 F-150 Workshop Manual
Procedure revision date: 10/25/2013

Transfer Case Shift Motor

Material

Item	Specification
Ultra Silicone Sealant TA-29	—



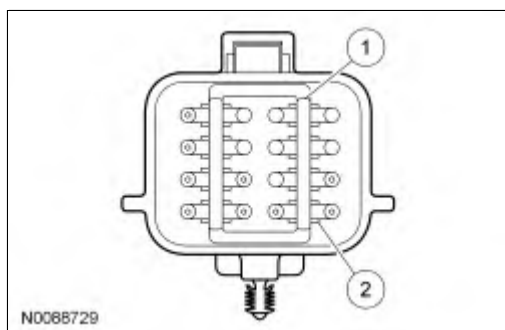
Item	Part Number	Description
1	—	Coil wire (part of 7G361)
2	7G360	Transfer case shift motor
3	N800670-S	Transfer case shift motor bolt (3 required)
4	15525	Connector
5	—	Connector inner retainer (part of 15525)
6	—	Transfer case shift motor nut (part of 7G360) (2 required)
7	7A443	Transfer case shift motor bolt

Removal

1. With the vehicle in NEUTRAL, position it on a hoist. For additional information, refer to [Section 100-](#)

02.

2. Disconnect the harness connector.
3. Remove the coil wire pin from the electrical connector.
 1. Remove the inner retainer from the wire connector.
 2. Press the release tab and remove the coil wire pin.



4. Remove the transfer case shift motor bracket bolt and the 3 mounting bolts, then remove the transfer case shift motor.

Installation

1. Apply a small bead of silicone sealant to the transfer case shift motor mating surface.

NOTICE: New shift motor bracket nuts are loose and are tightened last. Failure to follow the steps in the correct order may result in damage to the component.

2. Install the transfer case shift motor and the 3 bolts.
 - Tighten to 10 Nm (89 lb-in).
3. Install the transfer case shift motor bracket bolt.
 - Tighten to 10 Nm (89 lb-in).
4. Secure the transfer case shift motor bracket nuts.
 - Tighten to 3 Nm (27 lb-in).
5. **NOTE:** After the wire is inserted into the connector, gently pull the wire back to verify the pin is locked inside the connector.

Insert the coil wire pin in the electrical connector and install the inner connector retainer.

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