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## Clutch Engagement System

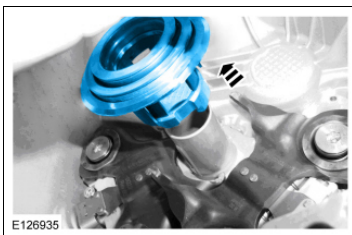
### Removal

1. Remove the clutch. For additional information, refer to [Clutch](#) in this section.
2. Remove the Z-washers from the engagement system bearing unit.



3. **NOTE:** The engagement system bearing unit should be removed easily.

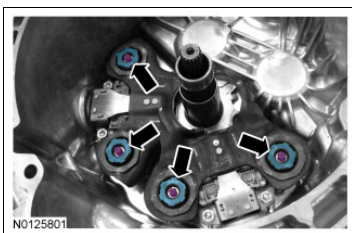
Remove the engagement system bearing unit. Inspect for wear or damage. Replace as necessary. Refer to [Transaxle](#) in this section.



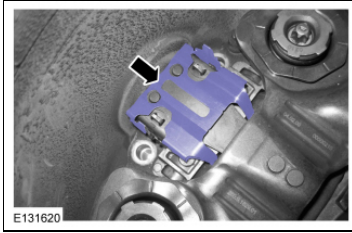
4. **NOTICE:** Remove the spring retainer bolts by loosening them slightly in an alternating pattern or damage can occur to the clutch actuator levers.

**NOTE:** The spring retainers and actuator levers are matched sets with corresponding serial numbers. If the spring retainers and actuator levers are being reused, mark on each spring retainer and actuator lever for assembly.

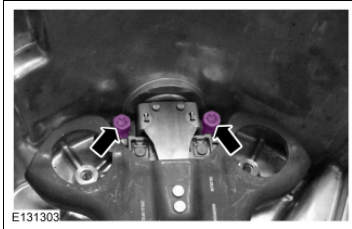
Remove the 4 spring retainer bolts from the spring retainers and remove the spring retainers.



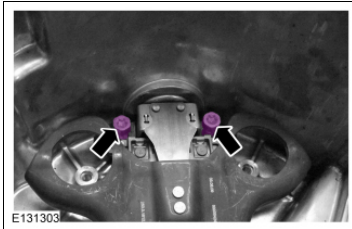
5. Install clutch actuator lever locks as shown if available.



6. Remove the 2 bolts from the clutch actuator lever 1.

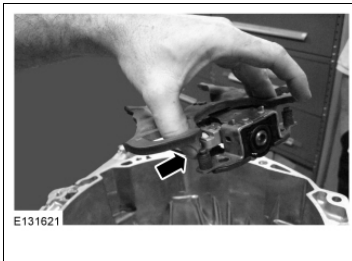


7. Remove the 2 bolts from the clutch actuator lever 2.



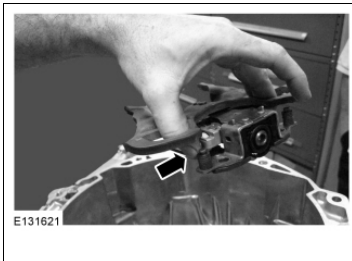
8. **NOTICE:** Be sure to properly handle the actuator lever as shown or damage may occur.

Remove the clutch actuator lever 1.



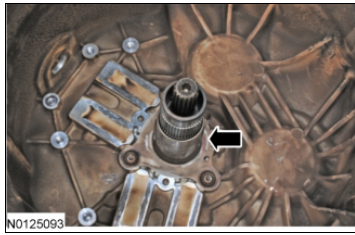
9. **NOTICE:** Be sure to properly handle the actuator lever as shown or damage may occur.

Remove the clutch actuator lever 2.



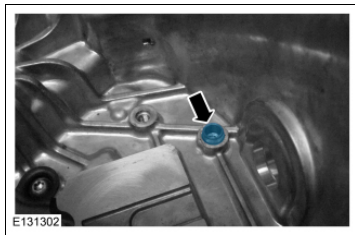
## Installation

1. Inspect the guide tube for wear or damage. For additional information, refer to [Transaxle](#) in this section.



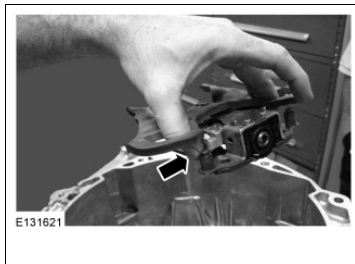
2. **NOTE:** One clutch actuator lever bushing shown, one per clutch actuator lever.

Install the clutch actuator lever bushings.

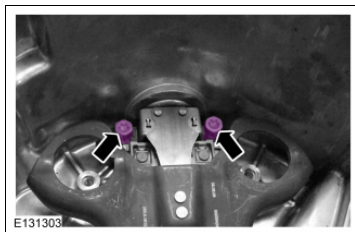


3. **NOTICE:** Be sure to properly handle the actuator lever as shown or damage may occur.

Install the clutch actuator lever 2.

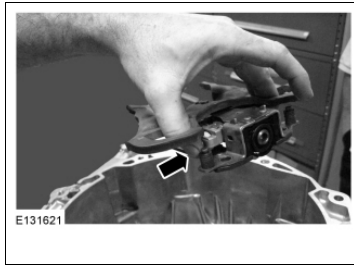


4. Install clutch motor 2 without the bolts to aide in the alignment of the clutch actuator lever.
5. Install the 2 clutch actuator lever 2 bolts.
  - Tighten to 19 Nm (168 lb-in).

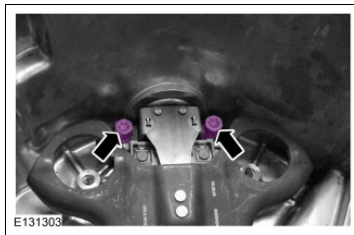


6. **NOTICE:** Be sure to properly handle the actuator lever as shown or damage may occur.

Install the clutch actuator lever 1.



7. Install clutch motor 1 without the bolts to aide in the alignment of the clutch actuator lever.
8. Install the 2 clutch actuator lever 1 bolts.
  - Tighten to 19 Nm (168 lb-in).



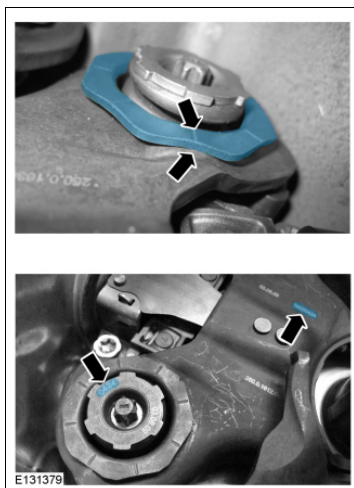
9. **NOTICE: Tighten the spring retainer bolts by tightening them slightly in an alternating pattern or damage can occur to the clutch actuator levers.**

**NOTE:** Make sure the spring retainer contour aligns with the actuator lever contour as shown.

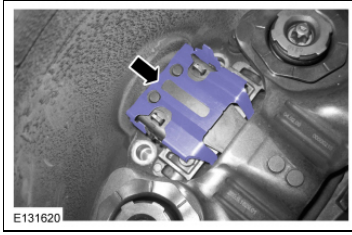
**NOTE:** Make sure the serial number on the spring retainer matches the serial number on the actuator lever. If reusing the spring retainers and actuator levers use the marks made during removal for assembly.

Install the spring retainers and spring retainer bolts.

- Tighten to 26 Nm (19 lb-ft).

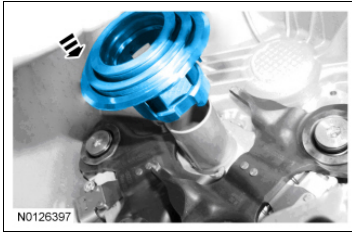


10. Remove the clutch actuator lever locks if installed.



11. **NOTE:** The engagement system bearing unit should be installed easily.

Install the engagement system bearing unit.



12. **NOTICE:** Do not tilt transaxle after the Z-washers are installed, they may come off center and damage can occur.

Install the Z-washers onto the engagement system bearing unit and center them correctly.



13. Install the clutch. For additional information, refer to Clutch in this section.

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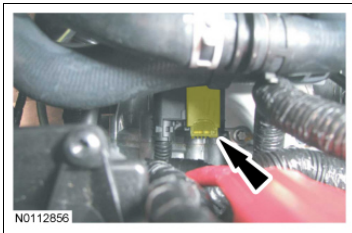
**Clutch Motor - No. 1**

Material

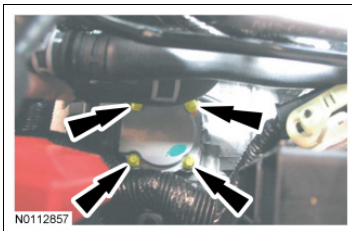
| Item   | Specification |
|--|---------------|
| High Temperature Nickel Anti-Seize Lubricant<br>XL-2 | -             |

**Removal**

1. Clean the area around the clutch motor to ensure no debris gets into the clutch motor pocket.
2. Disconnect the clutch motor electrical connector.

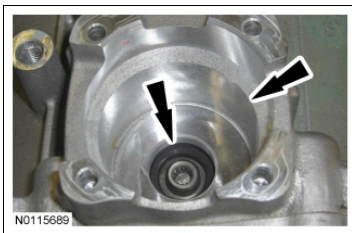


3. Remove the 4 clutch motor bolts and the clutch motor.



**Installation**

1. Inspect the clutch motor pocket for damage or debris. Clean or repair as needed.



2. Apply anti-seize to the clutch motor surfaces where indicated.