

## Selector Lever

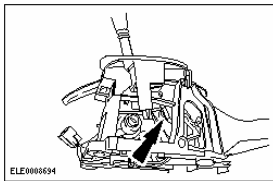
### Material

Grease	SM-1C1021-A
--------	-------------

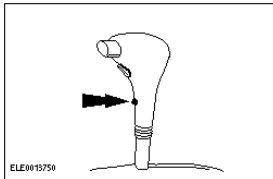
### Disassembly

1. **NOTE:** Use vise jaw protectors for all work to be done in the vise.

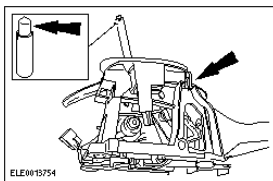
Disconnect the overdrive (O/D) switch electrical connector.



2. Remove the selector lever knob.
  - Remove the screw.



3. Disassemble the selector lever.
  - Pull off the tappet.
  - Unclip the bezel.



### Assembly

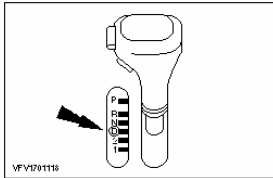
1. To assemble, reverse the disassembly procedure.
  - Coat all sliding and turning parts with grease.



## Selector Lever Cable Adjustment

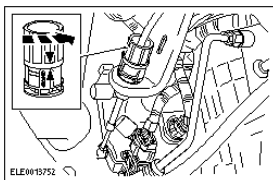
### Adjustment

1. Shift selector lever in position "D".



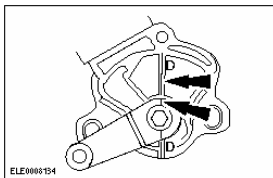
2. Raise and support the vehicle. For additional information, refer to [Section 100-02](#).
3. **NOTE:** Make sure the selector lever cable outer sleeve is free for moving after unlocking.

Open the selector lever cable locking mechanism (turn counterclockwise).

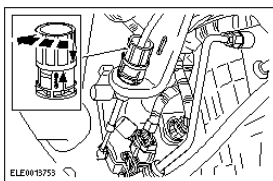


4. **NOTE:** The TR sensor mark must be inline with the transaxle selector lever.

Move the transaxle selector lever to position "D" (TR sensor removed shown).



5. Close the selector lever cable outer sleeve by turning the locking mechanism clockwise.



6. Lower the vehicle.
7. Check the selector lever cable adjustment.



SECTION 307-05: Automatic Transmission/Transaxle External Controls 2001 Focus Workshop Manual  
SPECIFICATIONS

---

## Lubricants, Fluids, Sealers and Adhesives

<b>Item</b>	<b>Specification</b>
Grease	SM-1C1021-A

## Torque Specifications

<b>Description</b>	<b>Nm</b>	<b>lb-ft</b>	<b>lb-in</b>
Selector lever cable grommet	9		80
Exhaust pipe	47	35	

---

DESCRIPTION AND OPERATION

---

**Manual Transaxle and Clutch**

**General Information**

This section contains descriptions of Diagnosis and Testing, and of General Service Procedures for manual transaxles and clutch.


The manual transaxles are equipped with a cable shift and a hydraulic clutch operating system.

---

---

**Manual Transaxle and Clutch**

## Special Tool(s)

	12 Volt UV Spot Lamp or equivalent 164-R0751
---	---

**Inspection and Verification - Clutch**

1. Verify the customer concern by operating the system.
2. Visually inspect for obvious signs of mechanical or electrical damage.
3. If an obvious cause for an observed or reported concern is found, correct the cause (if possible) before proceeding to the next step.
4. If the concern is not evident, verify the symptom and refer to the Symptom Chart.

## Visual Inspection Chart

<b>Mechanical</b>
<ul style="list-style-type: none"> <li>◆ Oil leaks - transaxle.</li> <li>◆ Visibly damaged or worn parts.</li> <li>◆ Loose or missing bolts or nuts.</li> </ul>

**Inspection and Verification - Manual Transaxle**

The following checks should be carried out before repairing or replacing the transaxle:

**Poor gear shifting**

1. Check the operation of the clutch: Lay a block of wood approx. 25 mm thick under the clutch pedal and depress the clutch pedal as far as the stop. If 1st or 2nd gear can be selected with no problem with the engine running and the parking brake applied, the clutch is OK. If the gear cannot be selected, repair the clutch.
2. Check the selector mechanism:
  - The free play in the gearshift lever must be no more than 15 mm.
    - ◆ If the gearshift lever free play is too great, check the gearshift cables and replace them if necessary.

- If the gearshift lever free play is OK, adjust the gearshift linkage. For additional information, refer to Gearshift Linkage Adjustment.

3. Check the transaxle fluid level and top up with Manual Transmission Fluid ESD-M2C186-A (MTX-75) or WSD-M2C200-C (iB5) if necessary.

### **Transaxle noise**

If transaxle noise are reported, first check the transaxle fluid level. If damage has occurred due to a lack of fluid, replace the transaxle.

### **Oil leakage**

- ◆ Check that the leaking fluid is actually transaxle fluid and not hydraulic fluid (from the hydraulically operated clutch) or engine oil.
- ◆ Check the transaxle fluid level and, if necessary, drain off any excess fluid.
- ◆ Locate the oil leak with the aid of a fluorescent test fluid and a UV inspection lamp.
- ◆ Clean the transaxle and the adjacent areas carefully before the road test.

### **Symptom Chart - Poor Gear Shifting**

Symptom Chart

### **Symptom Chart - Transaxle Noises**

Symptom Chart

### **Symptom Chart - Oil Leakage**

Symptom Chart

### **Symptom Chart - General Concerns**

Symptom Chart

### **Symptom Chart - Clutch**

Symptom Chart

### **Pinpoint Tests**

#### **PINPOINT TEST A: CLUTCH SLIPPAGE**

#### **PINPOINT TEST B: CLUTCH CHATTER OR SHUDDER**

#### **PINPOINT TEST C: CLUTCH DRAG**



**PINPOINT TEST D: CLUTCH PEDAL PULSATION**

**PINPOINT TEST E: CLUTCH RELATED VIBRATIONS**

**PINPOINT TEST F: HARD SHIFTING**

**PINPOINT TEST G: EXCESSIVE NOISE**

**PINPOINT TEST H: FLUID LEAKAGE**

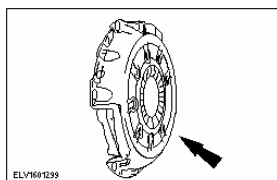
---

**Clutch Disc Check****All Vehicles**

1. **⚠ CAUTION: Do not use paraffin based cleaning agents and solvents.**

Clean the clutch pressure plate.

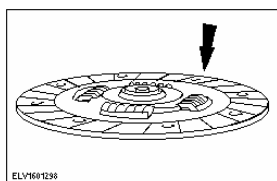
- Check the clutch pressure plate for:
  - ◆ Scorch marks
  - ◆ Scoring
  - ◆ Flatness
  - ◆ Pressure points
- If necessary, renew clutch pressure plate.



2. **⚠ CAUTION: Do not use paraffin based cleaning agents and solvents.**

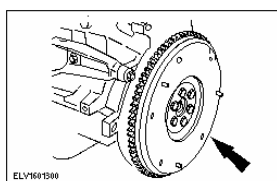
Clean the clutch friction disc.

- Check friction disc for:
  - ◆ Oil fouling
  - ◆ Scorch marks
  - ◆ Thickness
  - ◆ Check springs
- If necessary, renew clutch friction disc.



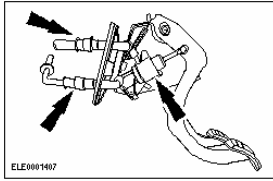
3. Check the flywheel for:

- Scorch marks
- Scoring
- Cracks
- If necessary, renew flywheel.



4. Check the clutch master cylinder:

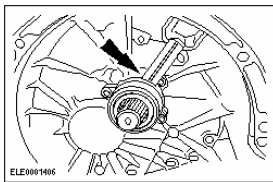
- For leaks
- Retaining clip



**Vehicles with MTX-75 manual transmission**

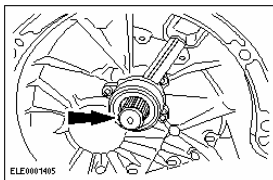
5. Check the clutch slave cylinder with release bearing:

- For leaks
- Bellows



6. Check driveshaft:

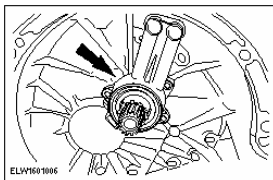
- Splines
- For scoring
- For damage



**Vehicles with iB5 manual transmission**

7. Check the clutch slave cylinder with release bearing for:

- Leaks
- Severe wear of the release bearing inner ring



8. Check the transmission input shaft:

- Splines
- For scoring
- For damage