Shift Kit 555-60937 1989-Up | Ford E40D & 4R100



Introduction

We would like to take this opportunity to thank you for purchasing this JEGS 1989-Up Ford E40D, 4R100 Shift Kit. We welcome any comments or feedback you might have. If you have any questions about this product or about the installation procedure, please feel free to contact us at 1.800.345.4545.

Features

- Smoother shifting
- Reduced TCC (Torque Converter Clutch) slip codes
- Increased cooling and lubrication

This kit is designed to address the following:

- Codes
 - 628
 - P1740
 - P1744
- Soft shifts
- 2nd-3rd burn-up
- Converter burn-up
- Reverse delay
- No reverse when hot
- Converter Shutter
- Pump buzz

NOTE

PARTIAL INSTALLATION DOES NOT REQUIRE REMOVAL OF THE TRANSMISSION.

INSTALLATION OF THE ENTIRE KIT, INCLUDING DIRECT CLUTCH SEAL, AND NEW CONVERTER REGULATOR AND PRESSURE REGULATOR SPRINGS, REQUIRES THAT THE TRANSMISSION MUST BE REMOVED AND DISASSEMBLED.



1-800-345-4545

Valve Body Identification



Installation (Ball Location)

- 1. Enlarge three "D" holes with the 0.081 in. drill bit.
 - No action is necessary if the holes are already bigger or not there.
 - Don't drill any new holes.
- 2. EPC RELIEF. Reuse the original spring. Install with the new poppet valve.
- 3. Install tapered orifice bushing at "X".
- 4. Ensure the gaskets don't cover any holes on the plate.

CHECKBALL LOCATION

CHECKBALL DETAILS

- Plate has 89 hole Install "T" plastic checkball
 This application will use all 11 checkballs
- Plate has 90 hole Don't use "S & T" checkballs
- Plate has 2T hole Don't use "R, S, & T" checkballs

CHECKBALL LOCATION

- All checkballs are ⁵/₁₆ in.
- See key at bottom of page.



Installation (Front Pump) REQUIRES TRANSMISSION REMOVAL

- 1. Install direct clutch seal into the direct drum.
 - Before installing the seal, clean any debris out of the groove
 - Roll the seal inside out as you install it. •
 - Install the seal with the stripe showing. ٠
- 2. Check location "A" on the pump cover. If there is no hole here, leave it alone. If you cover has a hole, it needs to be plugged.
- 3. LOCKUP FIRMNESS. This step is only for transmissions with an orifice cup plug at "B" on pump cover
 - Normal: 0.076 in.
 - Firm: 0.086 in.
 - Firmest: 0.093 in.



LOCKUP

VALVE

PWM Type Non-PWM

Туре

CONVERTER

REGULATOR

Modulated

Orange

Orange

Spring

Inner

Seat

Spring

Additional Information

- 1. 2ND GEAR CLUTCH. Stacking the clutch plates incorrectly will result in no 2nd gear. The thick backing plate goes in the case first.
- 2. EPC SOLENOID. Don't adjust.
- 3. SPRAG ROTATION. See diagram below for assembly.
- 4. CASE CONNECTOR. Follow the shift solenoid sequence in the chart below.
- 5. SOLENOID PACK. If the casting has hole "B", install the solenoid pack as it is. No drilling required.
 - If there is no hole "B", drill six size 1/8 in. holes "C". Drill a seventh hole through the partition at "D".

