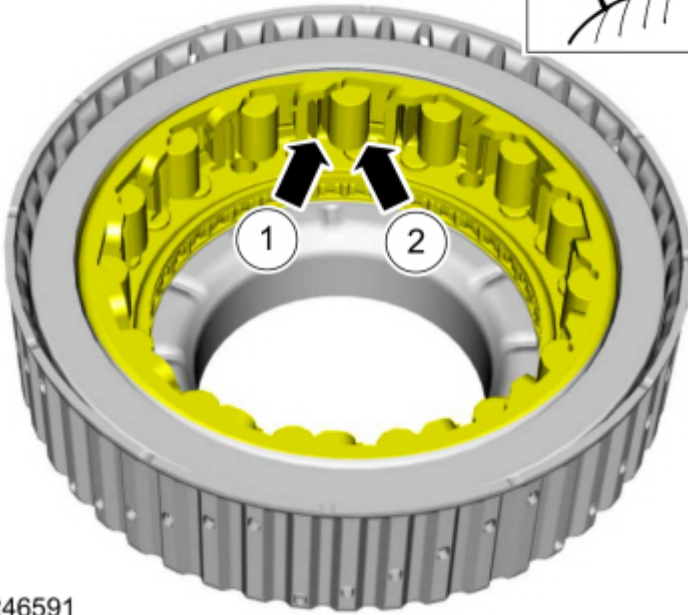


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1997 FORD Escort 5 Doors OEM Service and Repair Workshop Manual

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E246591

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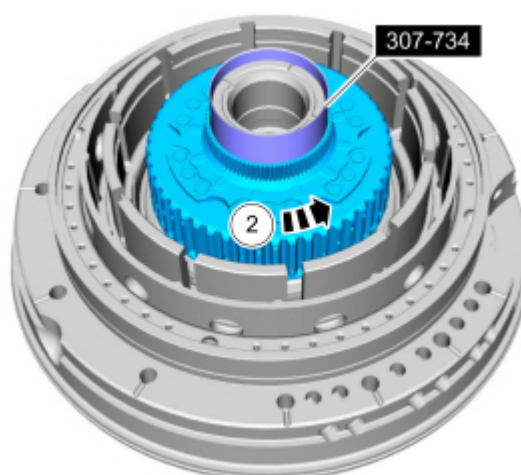
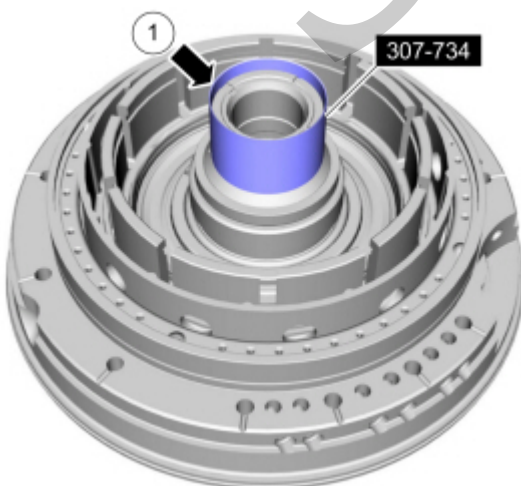
289. **NOTE**

The One-Way Clutch (OWC) hub should rotate counter-clockwise freely when installed correctly.

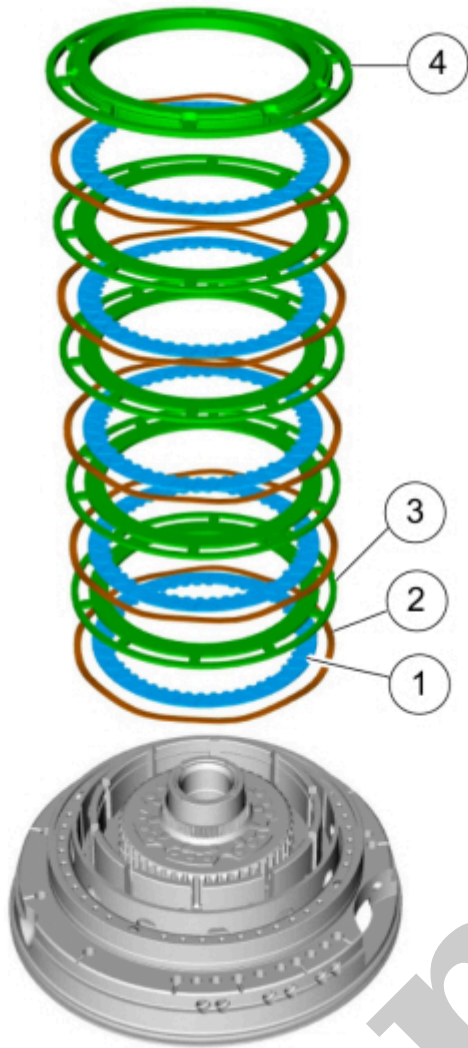
1. Position the special tool on the front support.

Use Special Service Tool : 307-734 Tool, OWC Alignment

2. With a counter-clockwise rotation gently install the One-Way Clutch (OWC) onto the front support.



E243893



E243975

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291. **NOTICE**

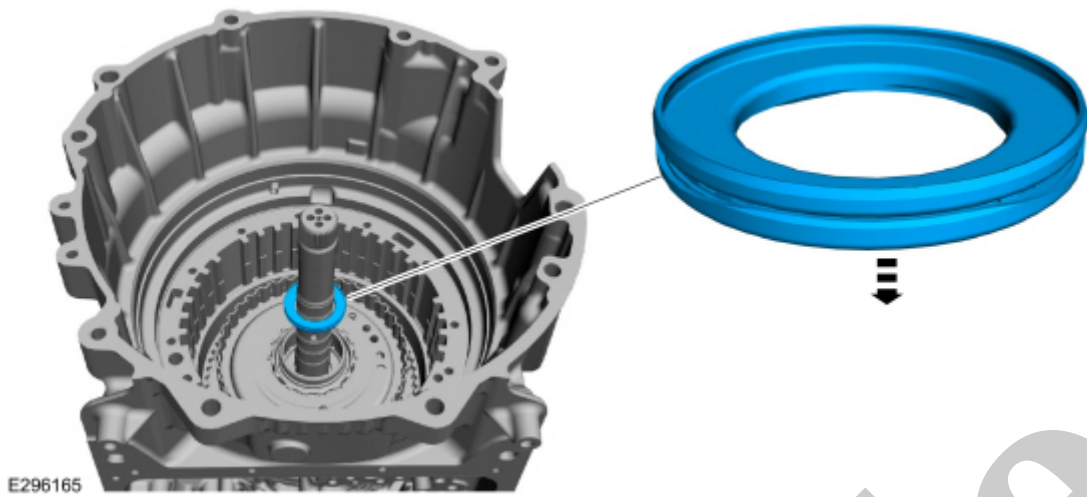
Be sure to align the top B clutch friction to the One-Way Clutch (OWC) hub or damage can occur.

Use the special tools to compress the B clutch assembly.

Use Special Service Tool : 307-741 Spring Compressor, F Clutch

Use the General Equipment: Hydraulic Press

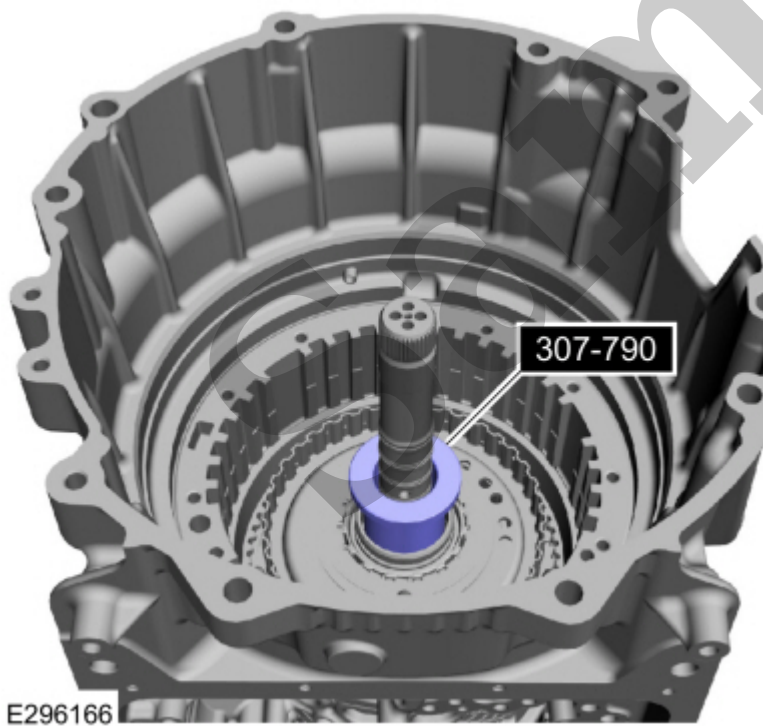
293. Install the (T3) thrust bearing.



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294. Install the special tool.

Use Special Service Tool : 307-790 Endplay Check Gauge



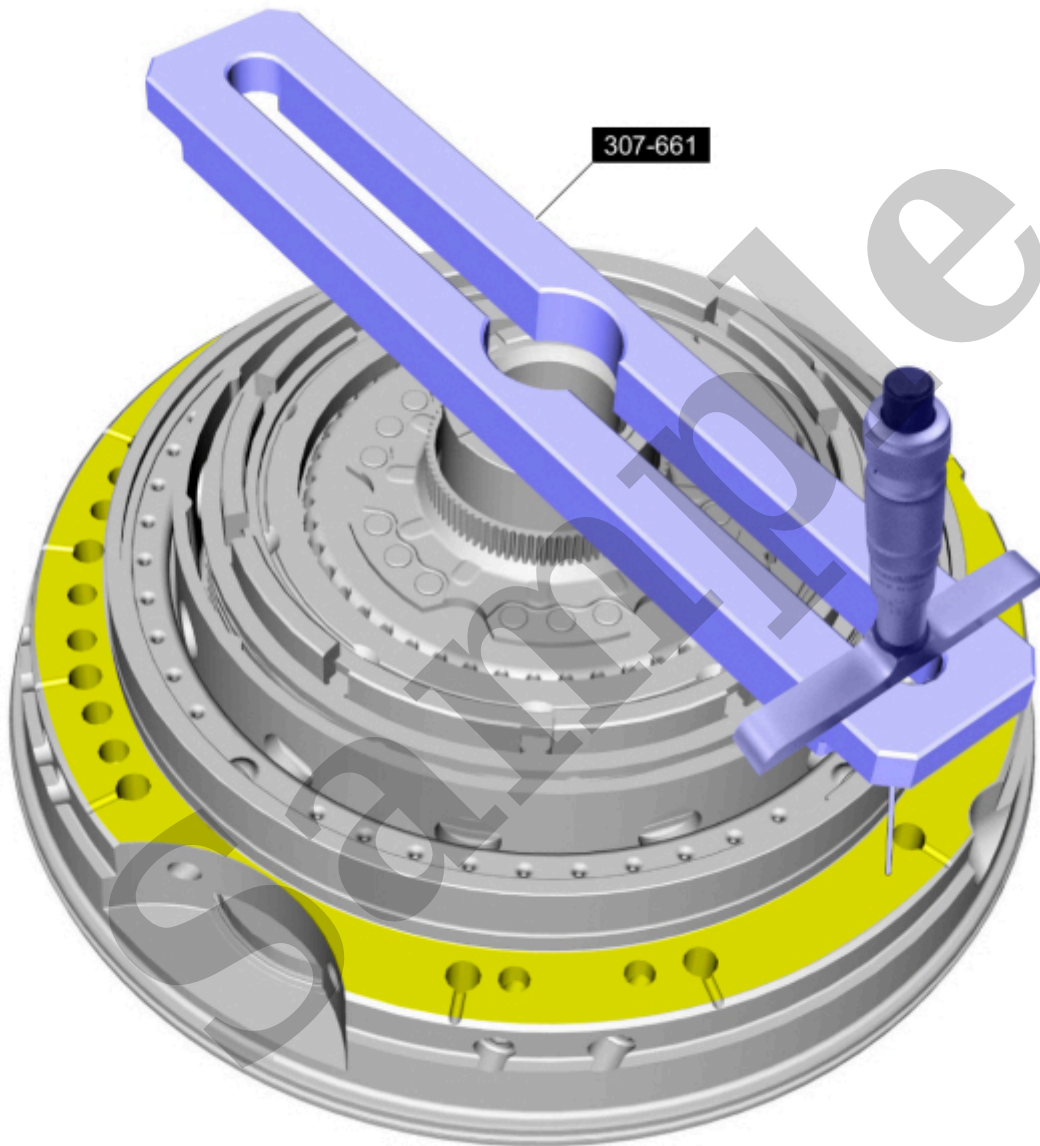
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295. **NOTE**

[Click here to learn about symbols, color coding, and icons used in this manual.](#)

296. Using the special tool and a depth gauge, measure the distance from the top of the special tool to the transmission deck mating surface in 2 different places. Average the measurements. Record this measurement as measurement B.

Use Special Service Tool : 307-661 Gauge, End Play



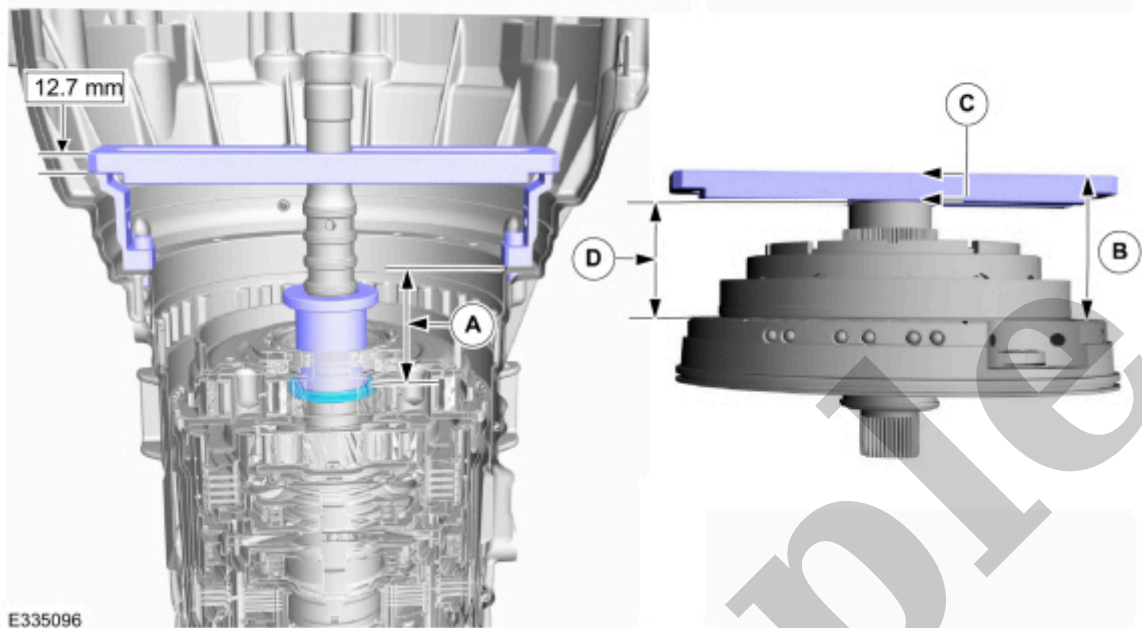
E240034

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297. Using the special tool and a depth gauge, measure the distance from the top of the special tool to (T3) thrust bearing surface in 2 different places. Average the measurements. Record this as measurement C.

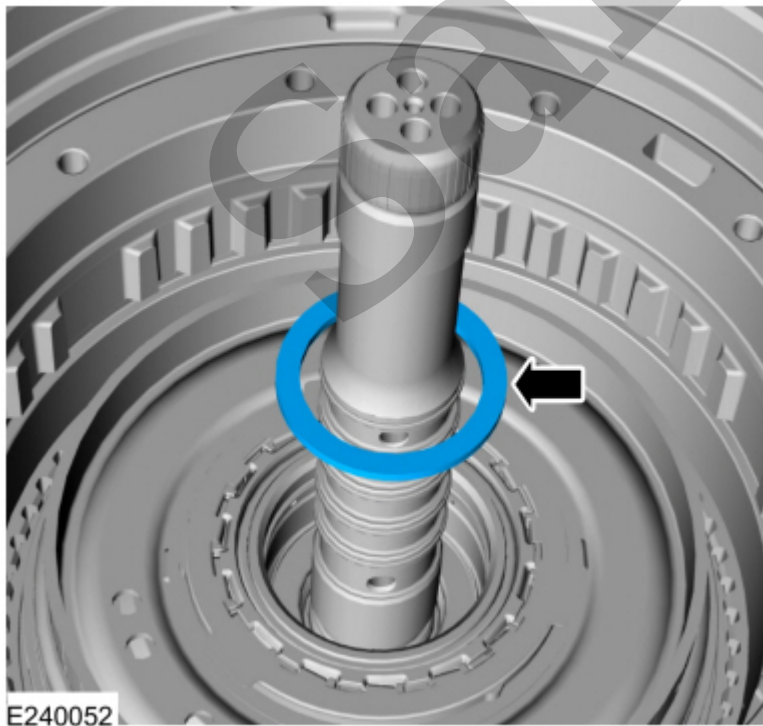
Use Special Service Tool : 307-661 Gauge, End Play

Refer to: [Specifications](#)(307-01A Automatic Transmission - 10-Speed Automatic Transmission – 10R80, Specifications).



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

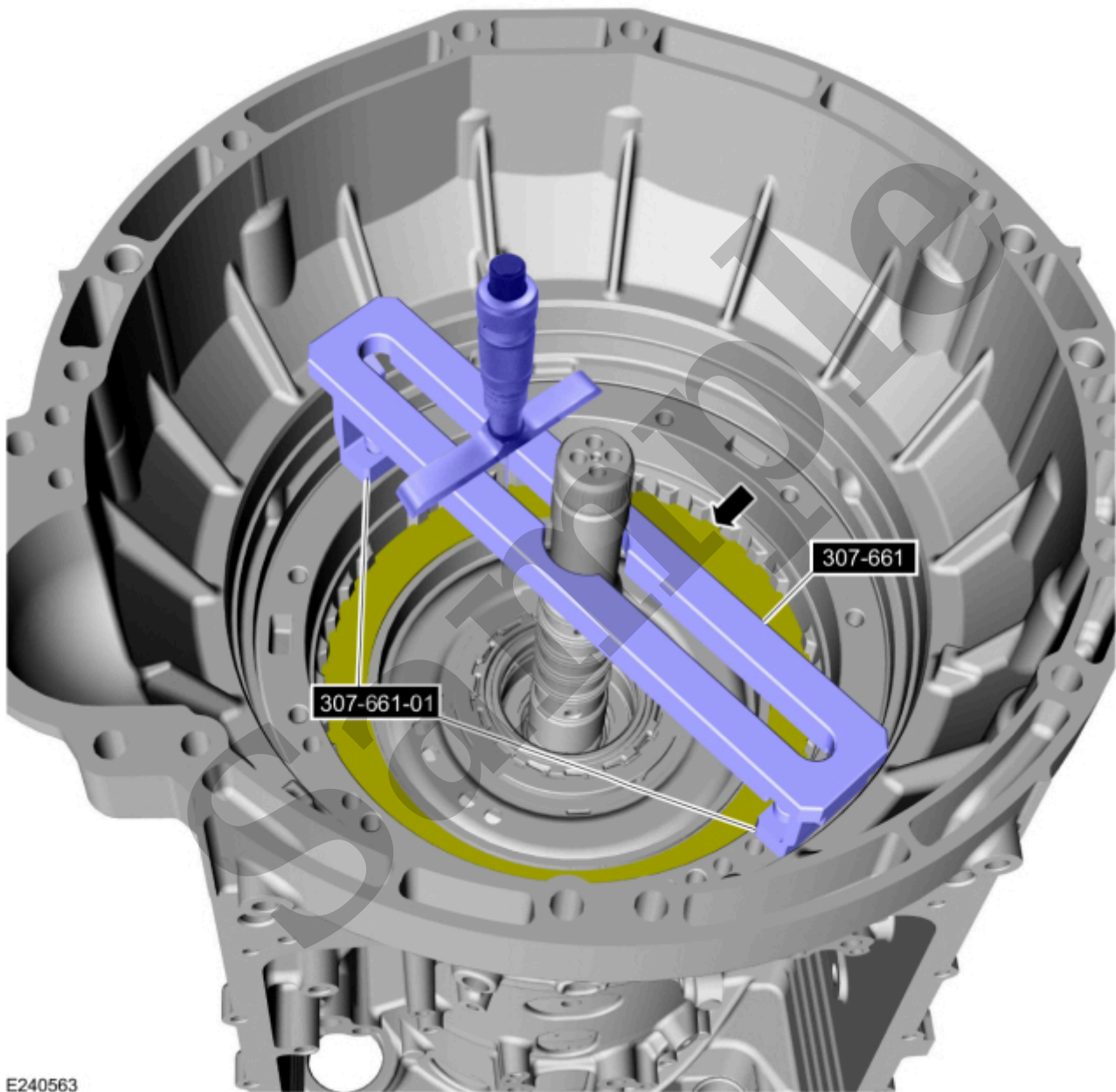
299. Install the selective shim.



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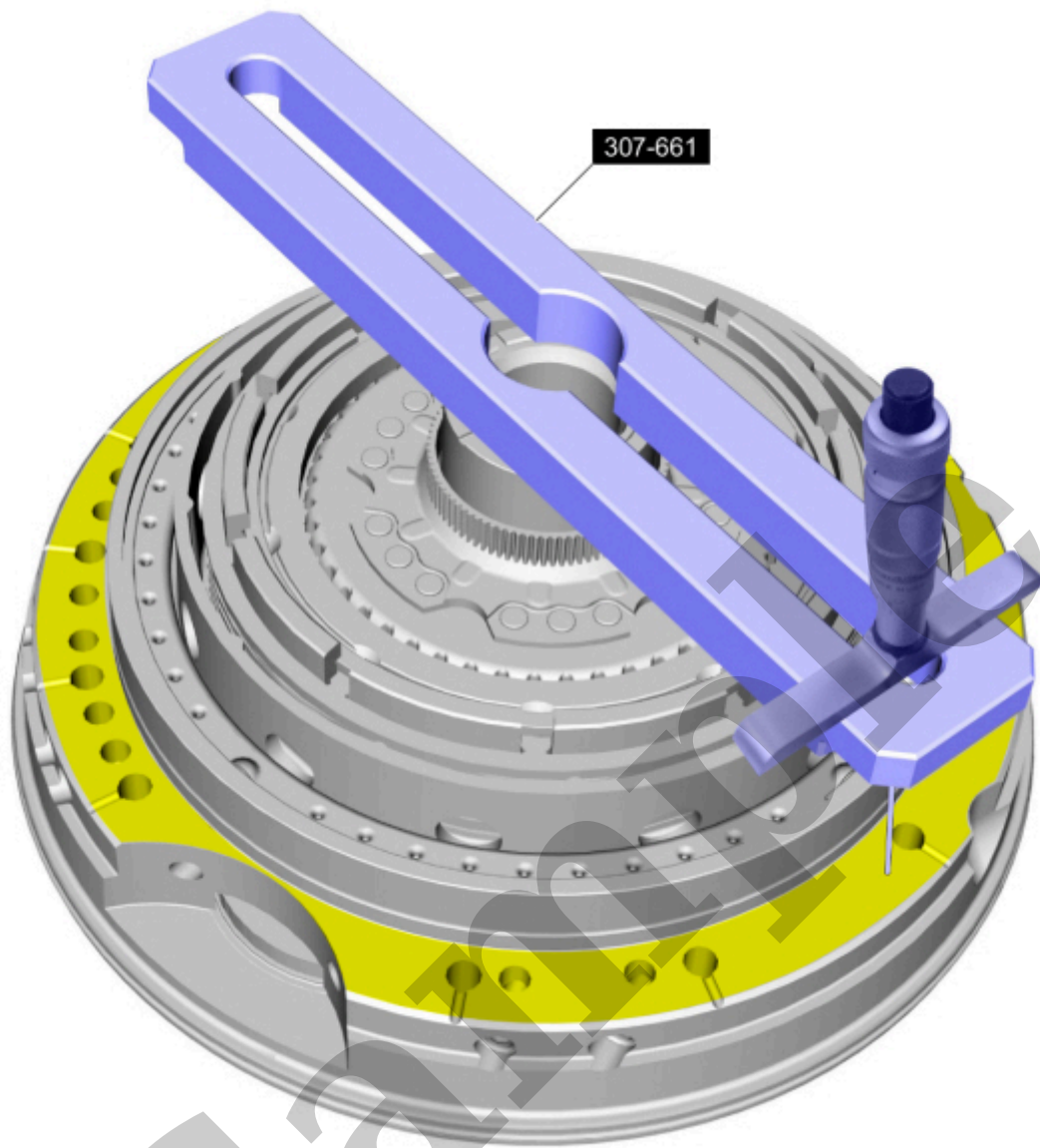
301. Using the special tools and a depth gauge, measure the distance from the top of the special tool to the top of the A clutch apply plate in 2 different places. Average the measurements. Record this as measurement A.

Use Special Service Tool : 307-661 Gauge, End Play , 307-661-01 Spacers/Plate, Clearance Gage



[Click here to learn about symbols, color coding, and icons used in this manual.](#)

302. Using the special tools and a depth gauge, measure the distance from the top of the special tool to the front support mating surface in 2 different places. Average the measurements. Record this as measurement B.

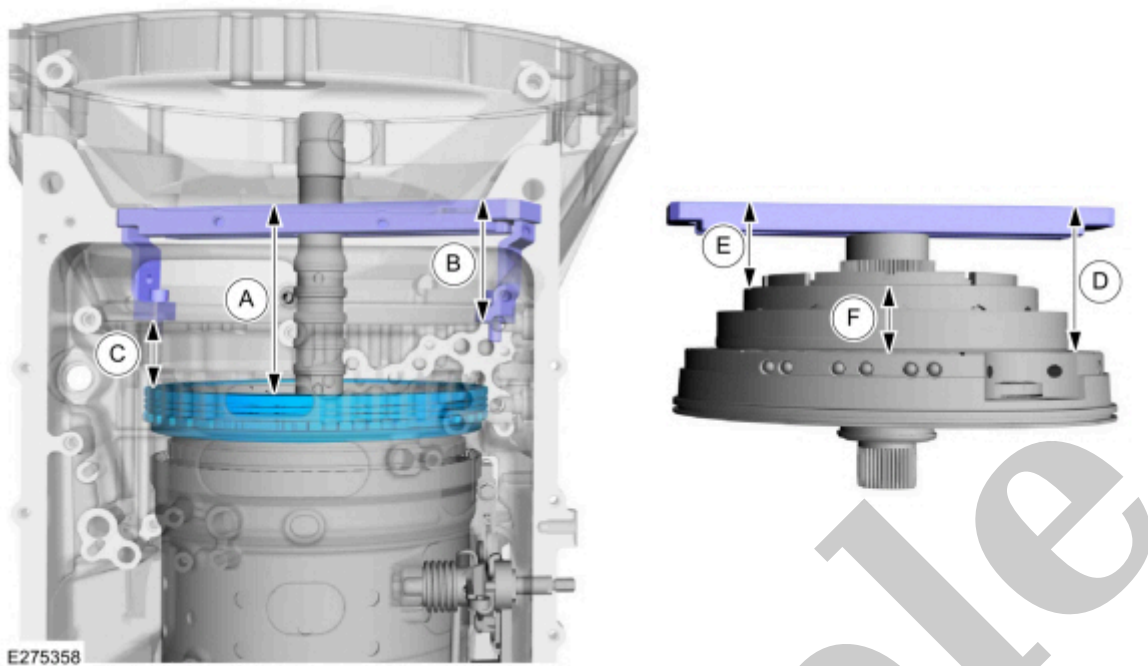


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304. Using the special tool and a depth gauge, measure the distance from the top of the special tool to the A clutch piston surface in 2 different places. Average the measurements. Record this as measurement E.

Use Special Service Tool : 307-661 Gauge, End Play



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306. **NOTICE**

If replacing A clutch separating springs, all separating springs must be replaced as a matching set or damage can occur.

NOTE

Clutch plate quantity is model dependant based on engine displacement.

Soak the A clutch plates in clean transmission fluid. Install the A clutch assembly.

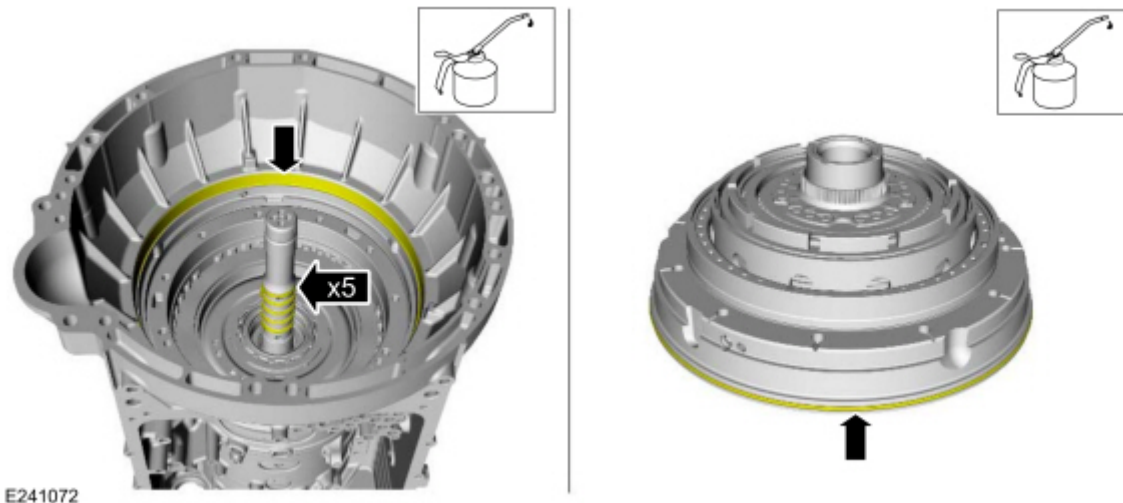
1. Pressure plate

2. Friction plates

Material : Motorcraft® MERCON® ULV Automatic Transmission Fluid / XT-12-QULV (WSS-M2C949-A,) (MERCON® ULV)

3. Separator springs

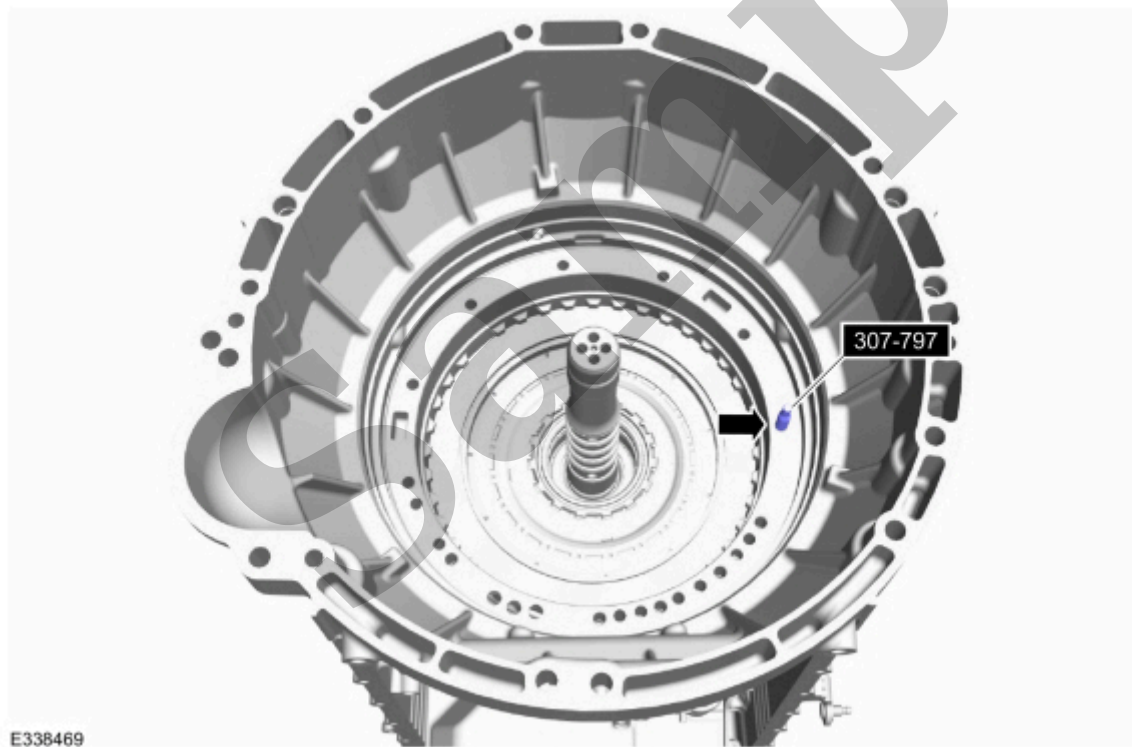
4. Steel plates



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308. Install the special tool in the location shown.

Use Special Service Tool : 307-797 Installer, Alignment Studs (3) & Alignment Pin (All 10R)



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309. Install the front support into the transmission case. Align the pump gear to the pump drive gear pocket area. Rotate the input shaft to align the one-way clutch splines with the No. 1 sun gear.