



Technical Service Information

FORD CD4E RATIO IDENTIFICATION

COMPLAINT: After installing a good used salvage yard unit into the vehicle, it immediately sets a Trouble Code 628 or OBD Code P0740, and defined by Ford as a converter clutch slip error.

CAUSE: The wrong ratio transaxle has been installed into the vehicle, and there are several different ways that this mistake can be made.

CORRECTION: For current Drive Chain application, identification and current part numbers, refer to Figure 1. For Drive and Driven Sprocket application, identification and current part numbers, refer to Figure 2. For Final Drive application and identification, illustrations are provided in Figure 3. We have provided a quick reference chart below.

Contour/Mystique 2.0L, 4Cyl.

The following are requirements, anything else results in Gear Ratio Errors:

1. 3/4" Drive Chain with 45 links and 90 pins.
2. 57 Tooth Drive Sprocket and 52 Tooth Driven Sprocket for a Chain Ratio of 0.912.
3. 86 Tooth Final Drive Ring Gear and 26 Tooth Sun Gear for a Final Drive Ratio of 4.308.

Contour/Mystique 2.5L, 6Cyl.

The following are requirements, anything else results in Gear Ratio Errors:

1. One inch Drive Chain with 46 links and 92 pins.
2. 55 Tooth Drive Sprocket and 54 Tooth Driven Sprocket for a Chain Ratio of 0.982.
3. 74 Tooth Final Drive Ring Gear and 26 Tooth Sun Gear for a Final Drive Ratio of 3.846.

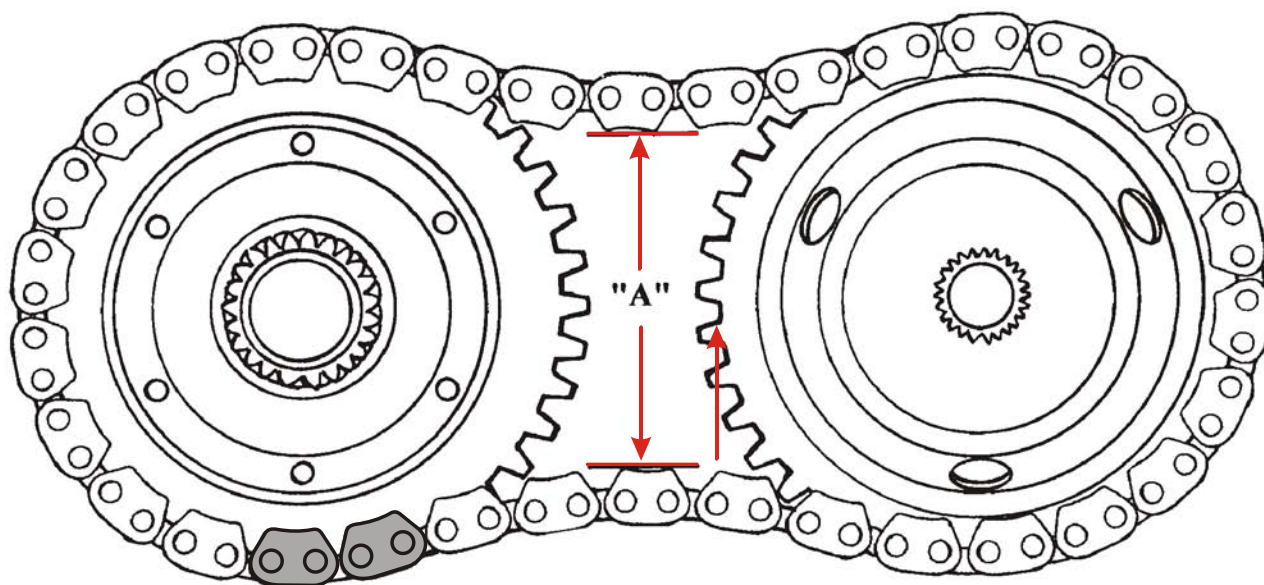
Probe 2.0L, 4Cyl.

The following are requirements, anything else results in Gear Ratio Errors:

1. 3/4" Drive Chain with 46 links and 92 pins.
2. 55 Tooth Drive Sprocket and 54 Tooth Driven Sprocket for a Chain Ratio of 0.982.
3. 74 Tooth Final Drive Ring Gear and 26 Tooth Sun Gear for a Final Drive Ratio of 3.846.

FORD CD4E DRIVE CHAIN AND SPROCKET RATIO IDENTIFICATION

***SQUEEZE CHAIN TOGETHER AND MEASURE DIMENSION "A".
IF DISTANCE BETWEEN CHAIN TEETH IS 5-1/2" OR LESS,
THEN REPLACE THE DRIVE CHAIN***



Contour/Mystique 2.0L, 4Cyl.

Drive Chain, 3/4" Wide, 45 Links, 90 Pins F6RZ-7G249-AA

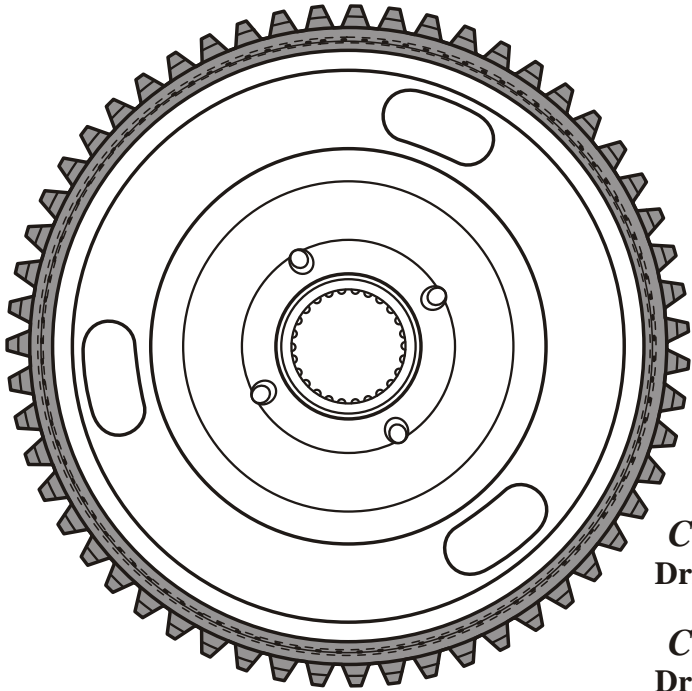
Contour/Mystique 2.5L, 6Cyl.

Drive Chain, 1" Wide, 46 Links, 92 Pins F6RZ-7G249-CA

Probe 2.0L, 4Cyl.

Drive Chain, 3/4" Wide, 46 Links, 92 Pins F6RZ-7G249-BA

CD4E DRIVE SPROCKET IDENTIFICATION

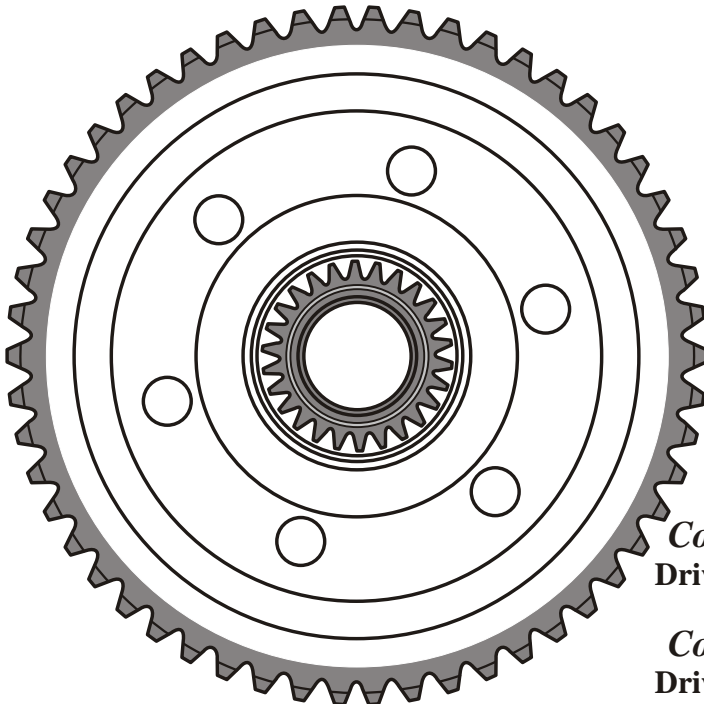


Contour/Mystique 2.0L, 4Cyl.
Drive Sprocket, 57T, .615" Wide F3RZ-7A153-A

Contour/Mystique 2.5L, 6Cyl.
Drive Sprocket, 55T, .855" Wide F3RZ-7A153-B

Probe 2.0L, 4Cyl.
Drive Sprocket, 55T, .615" Wide F4RZ-7A153-C

CD4E DRIVEN SPROCKET IDENTIFICATION

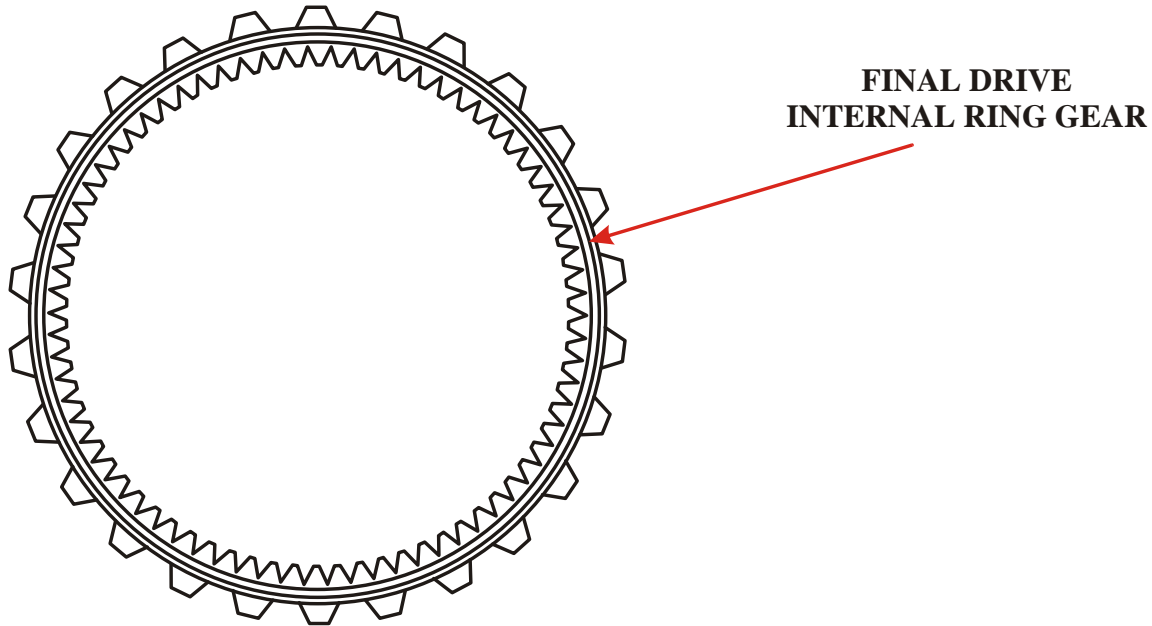


Contour/Mystique 2.0L, 4Cyl.
Driven Sprocket, 52T, .615" Wide ... F3RZ-7G132-A

Contour/Mystique 2.5L, 6Cyl.
Driven Sprocket, 54T, .855" Wide ... F4RZ-7G132-B

Probe 2.0L, 4Cyl.
Drive Sprocket, 54T, .615" Wide F4RZ-7G132-A

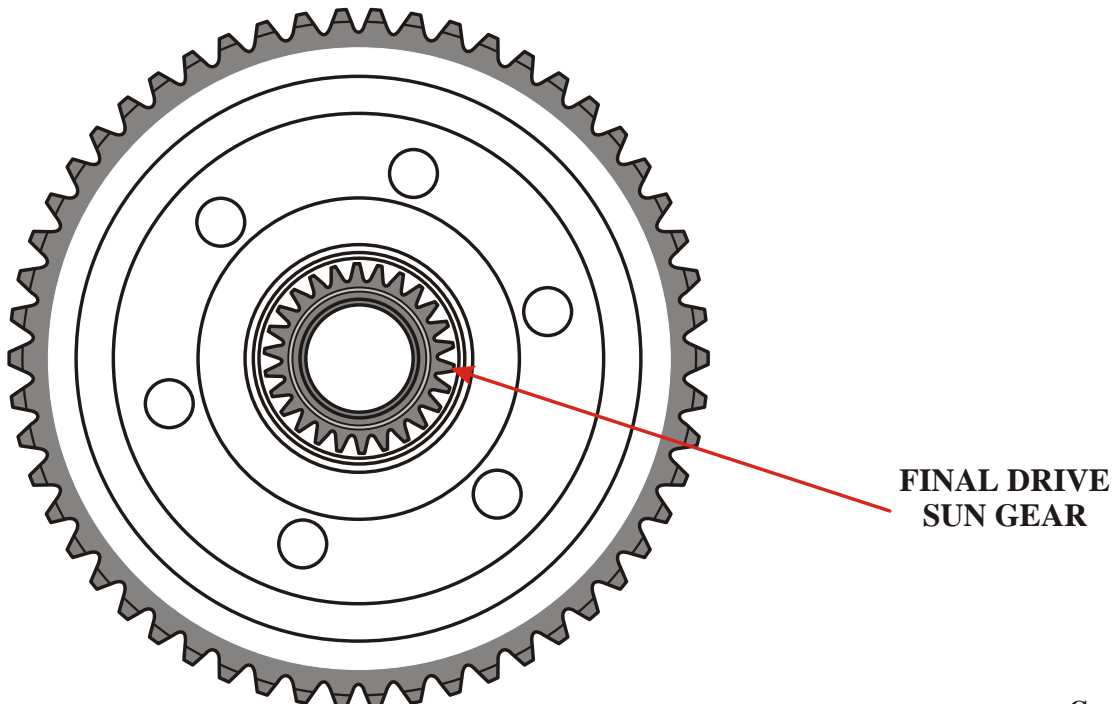
CD4E FINAL DRIVE IDENTIFICATION



Contour/Mystique 2.0L, 4Cyl.
Requires, 86T Ring Gear, 26T Sun Gear Which = 4.308 Final Drive Ratio.

Contour/Mystique 2.5L, 6Cyl.
Requires, 74T Ring Gear, 26T Sun Gear Which = 3.846 Final Drive Ratio.

Probe 2.0L, 4Cyl.
Requires, 74T Ring Gear, 26T Sun Gear Which = 3.846 Final Drive Ratio.



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Figure 3