



Technical Service Information

FORD E4OD NEW DESIGN FORWARD RING GEAR HUB, AND FORWARD PLANETARY, FOR 1997

CHANGE: Beginning at the start of production for the 1997 model year, Ford Motor Company introduced a new design Forward Clutch Ring Gear Hub, to accommodate a new thrust bearing, that replaces the thrust washer on the forward planetary carrier, and a new design Forward Planetary Carrier that eliminates the thrust washer tab slots (See Figures 1, 2, and 3).

REASON: Improved durability of the Front Planetary Carrier.

PARTS AFFECTED:

- (1) RING GEAR HUB - Now cut deeper on the side that goes against the forward planetary carrier by .100", to accommodate the new design bearing that replaced the thrust washer. Refer to Figures 1 and 2.
- (2) THRUST BEARING - Replaces the previous four tang thrust washer for improved durability. Refer to Figures 1 and 2.
- (3) FORWARD PLANETARY - No dimensional changes, but there is an updated part number from Ford Motor Company, that eliminates the thrust washer tab slots in the carrier, and is shown in Service Information.

INTERCHANGEABILITY:

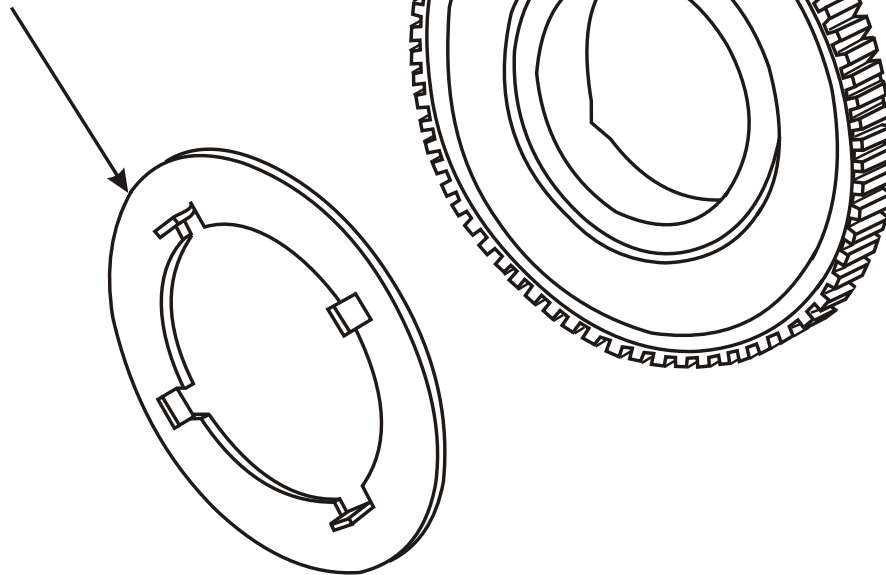
- (1) New design Ring Gear Hub **will** retro-fit back on all previous models, but you **must** use the new thrust bearing with it as a package. The old part number for the Ring Gear Hub will automatically supersede to the new Service Package part number, which includes both parts needed to retro-fit back on previous models. ***Previous design is no longer available.***
- (2) New design Thrust Bearing must be used only with the new design Ring Gear Hub. It cannot be used on any previous models (See Figures 1 and 2). ***Previous design is no longer available.***
- (3) There is also a new part number for the Forward Planetary Carrier, with no dimensional changes, and will retro-fit back on all previous models, but, ***some*** of the new part number carriers will not be cut to accept the four tang thrust washer. In that case you will have to install the new thrust bearing, which means you will also have to replace the ring gear hub with the new design level (See Figure 3).

SERVICE INFORMATION:

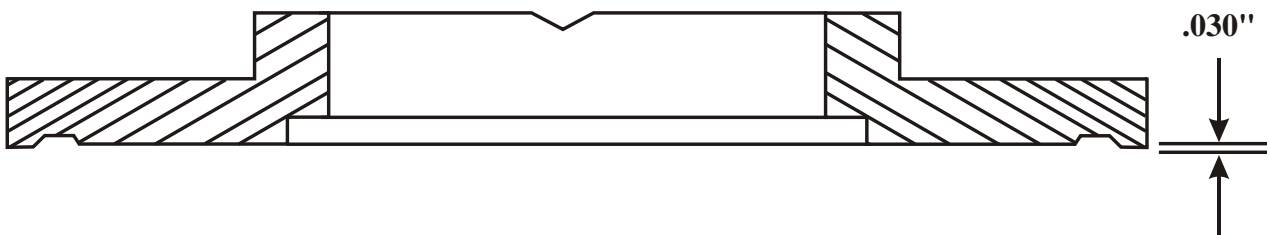
Forward Clutch Ring Gear Hub (New Design)	
(Includes New Design Thrust Bearing)	F7TZ-7B067-AB
Forward Planetary Carrier (New Part Number)	F7TZ-7A398-BA

EARLY FORWARD CLUTCH RING GEAR HUB

1989-1996 THRUST WASHER
PART NUMBER E9TZ-7A166-A
(No Longer Available From Ford)



1989-1996 RING GEAR HUB
.030" FROM WASHER SURFACE TO EDGE AS SHOWN,
AND REQUIRES THRUST WASHER SHOWN ABOVE.
(NO LONGER AVAILABLE FROM FORD)

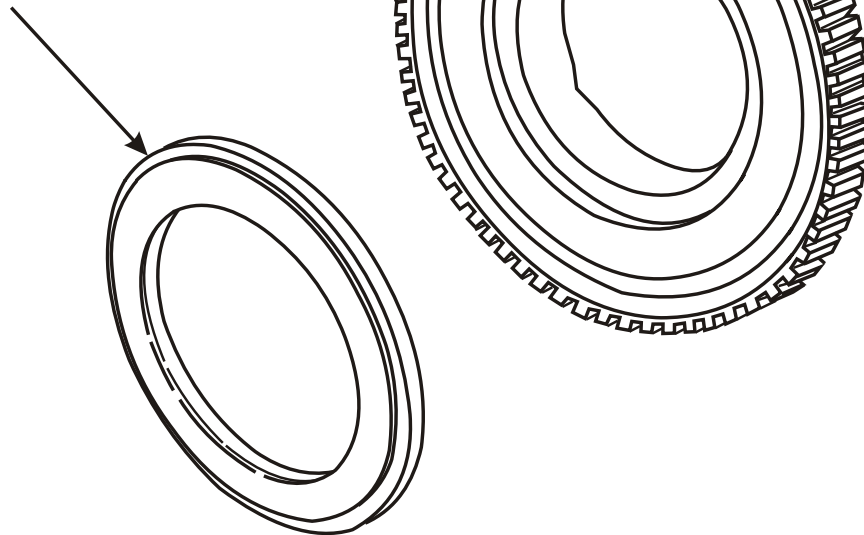


NOTE: *When ordering the Forward Clutch Ring Gear Hub from Ford Motor Co, it will automatically supercede to the newest Service Package part number F7TZ-7B067-AB, and will come with the new design thrust bearing. When used together these parts will retro-fit back to 1989.*

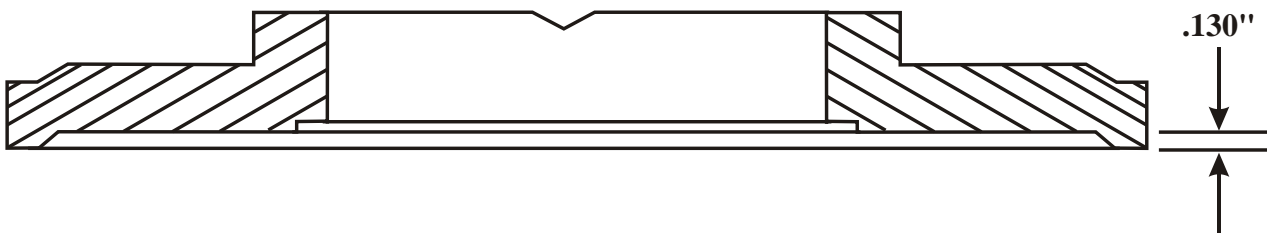
Figure 1

LATE FORWARD CLUTCH RING GEAR HUB

**1989-1996 THRUST BEARING
AVAILABLE ONLY IN SERVICE
PACKAGE F7TZ-7B067-AB**



**1997-UP RING GEAR HUB
.130" FROM WASHER SURFACE TO EDGE AS SHOWN,
AND *REQUIRES* THRUST BEARING SHOWN ABOVE.
RING GEAR HUB PART NUMBER F7TZ-7B067-AB.**



NOTE: *When ordering the Forward Clutch Ring Gear Hub from Ford Motor Co, it will automatically supercede to the newest Service Package part number shown above, and will come with the new design thrust bearing. When used together these parts will retro-fit back to 1989.*

Figure 2

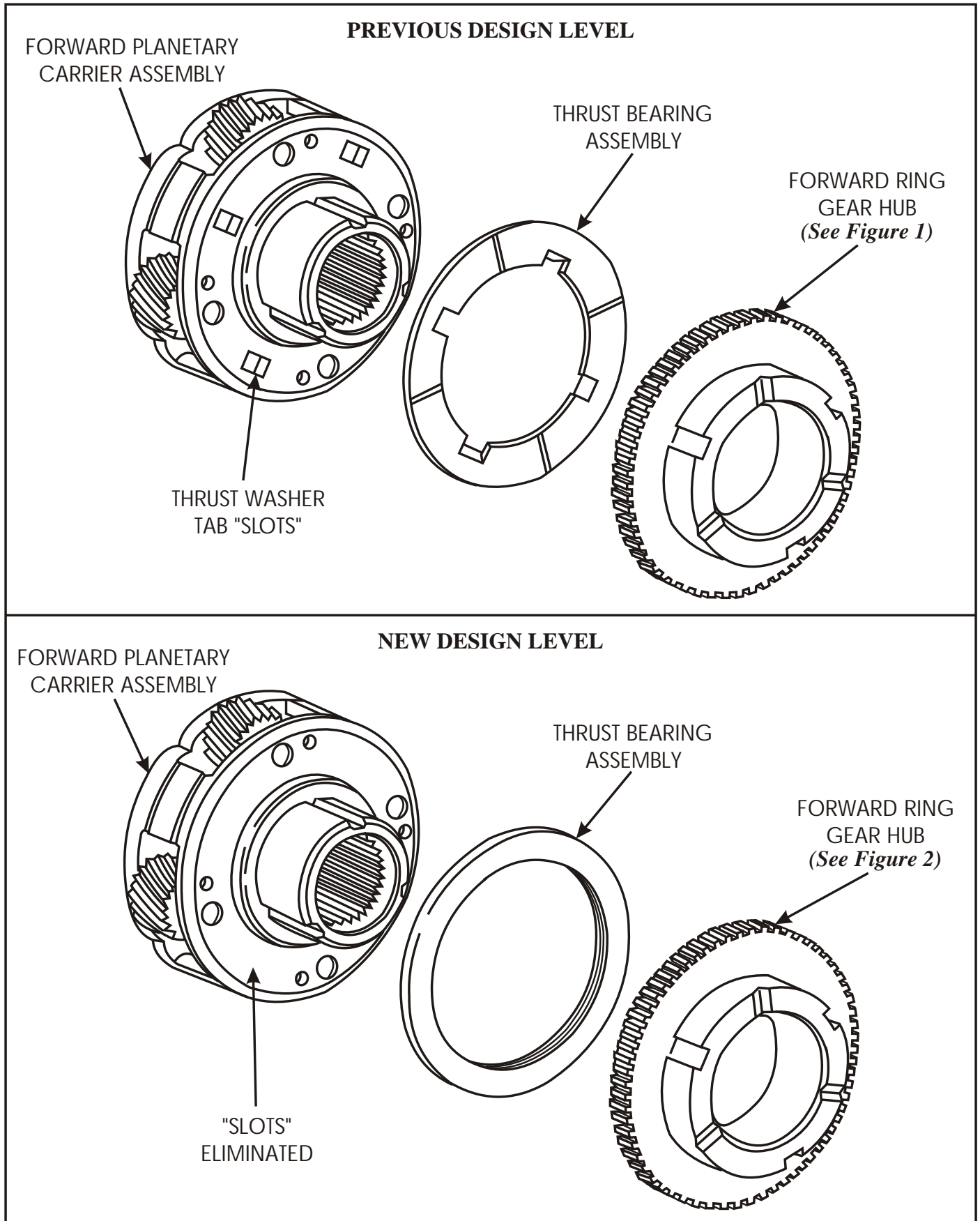


Figure 3