



Technical Service Information

FORD 4R100 NEW DESIGN SUN SHELL

CHANGE: There is now a new design Sun Shell with "Tabs" added to the center of the sun shell slots, as shown in Figure 1, implemented by Ford Motor Co. as a running change, during the 2000 model year. This change eliminated the need for the number 8 thrust washer between the forward and direct drums. This also required a new installation tool for the assembly process.

REASON: Main reason for this change was cost savings.

PARTS AFFECTED:

- (1) INPUT SUN SHELL - New design have "Tabs" added to the center of the sun shell slots, as shown in Figure 1, which now support the direct drum for the required clearance between the direct and forward clutch housings, and allows elimination of the number 8 thrust washer.
- (2) DIRECT CLUTCH HOUSING - Manufactured "Without" slots in the center hub, as they were no longer needed to accept the number 8 thrust washer tabs. Both design direct drums are illustrated in Figure 2.
- (3) NUMBER 8 THRUST WASHER - Eliminated (See Figure 2).
- (4) INSTALLATION TOOL - New tool required for installation, to accommodate the changes in the sun shell slots and works with both design sun shells, as shown in Figure 3.

INTERCHANGEABILITY:

The 1st design Sun Shell is no longer available from Ford Motor Co, as the 2nd design Sun Shell **will** retro-fit back on all models, with or without the number 8 thrust washer.

The 2nd design Direct Clutch Housing (No Slots For Washer) **must** be used with the 2nd design Sun Shell, as there are no accommodations for the number 8 thrust washer.

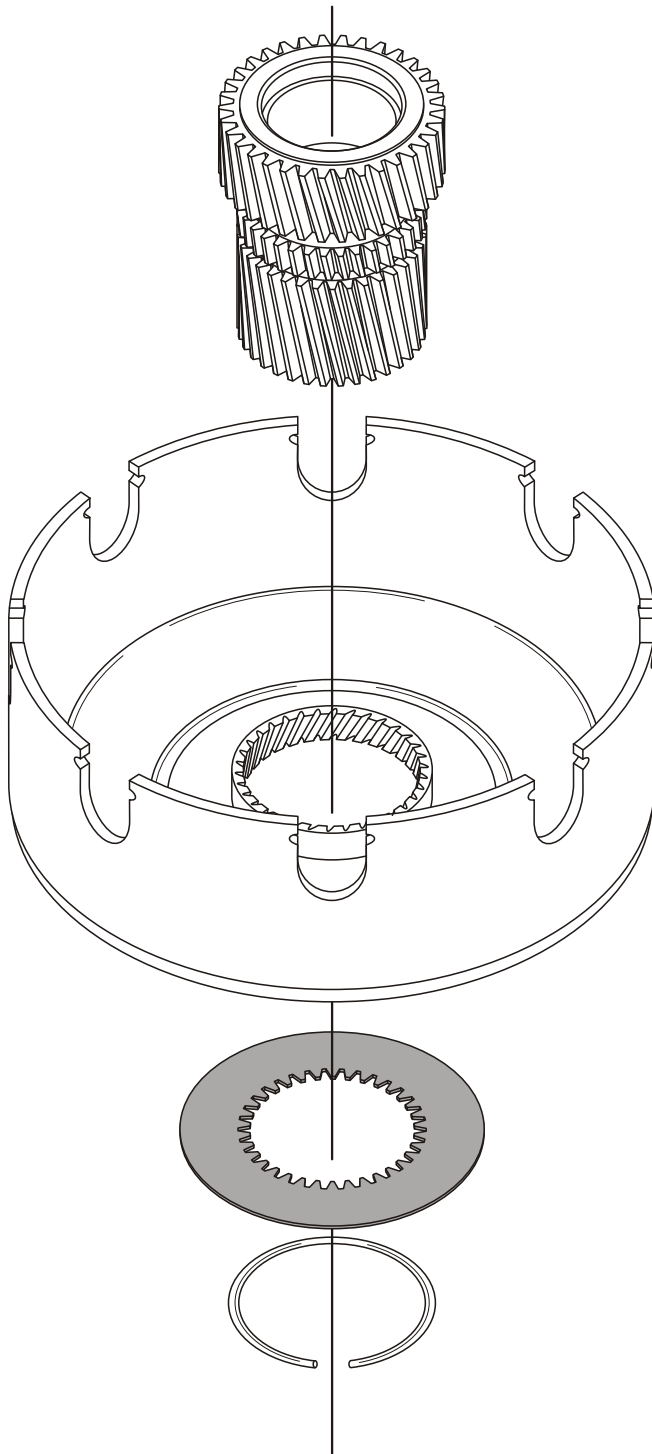
Refer to "Service Information" below for current OEM part numbers.

SERVICE INFORMATION:

Direct Clutch Housing, 2nd Design (Without 4 Tab Washer)	YC3Z-7D044-BA
Direct Clutch Housing, 1st Design (With 4 Tab Washer)	F81Z-7D044-BA
Sun Shell, Hardened, 2nd Design	YC3Z-7D064-BA
Sun Shell, Regular, 2nd Design	YC3Z-7D064-AA
Direct to Forward Drum (No. 8) 4 Tab Thrust Washer	E9TZ-7C096-A
Loading Tool, New Design	307-436

PREVIOUS DESIGN SUN SHELL

"No Longer Available From Ford"

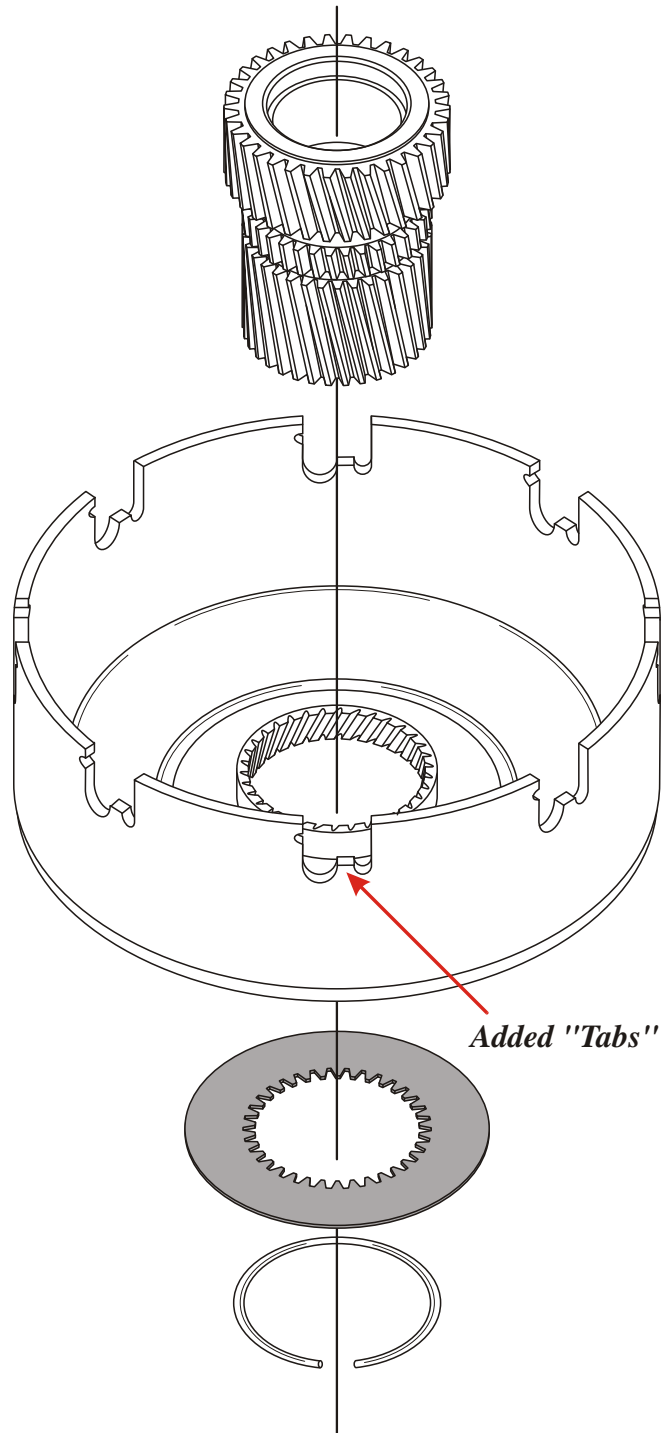


*May Be Used With "ONLY"
The Previous Design Direct Drum
And Requires The No. 8 Washer
(See Figure 2)*

NEW DESIGN SUN SHELL

Hardened = YC3Z-7D064-BA

Regular = YC3Z-7D064-AA

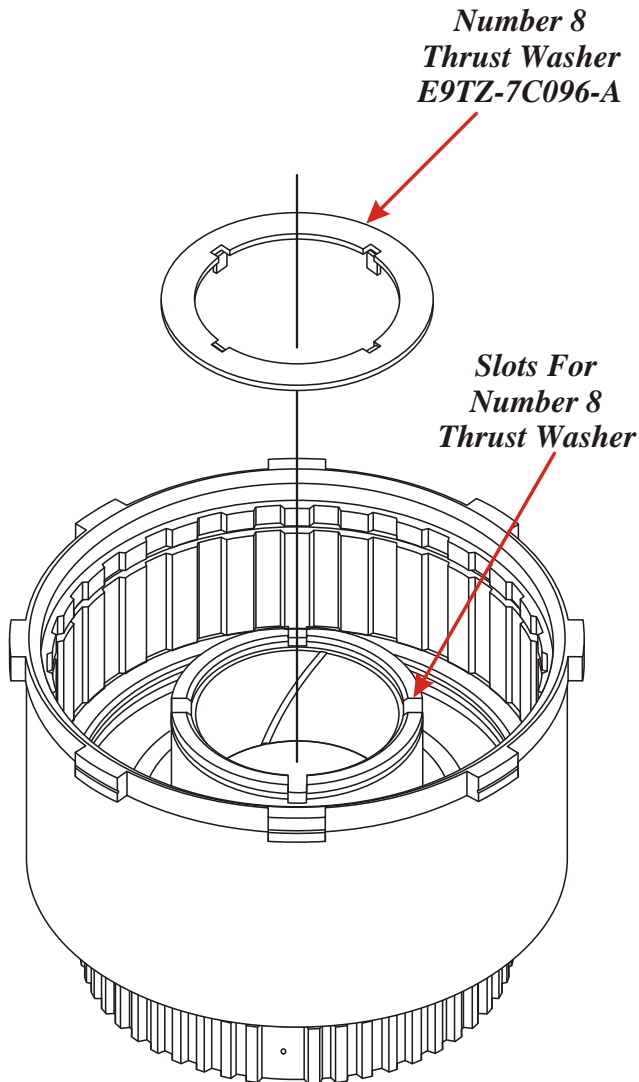


*May Be Used With
Both Design Direct Drums
With Or Without Washer
(See Figure 2)*

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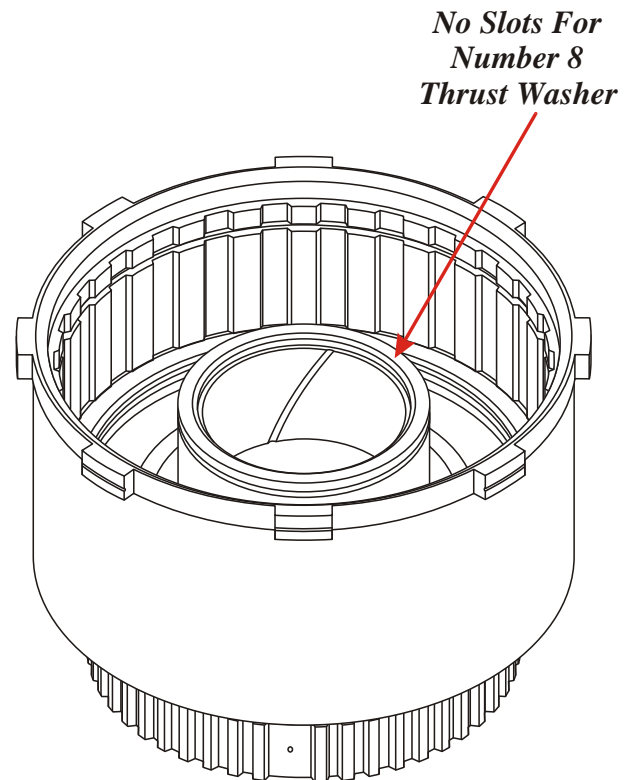
Figure 1

**PREVIOUS DESIGN DIRECT CLUTCH
DRUM "WITH" SLOTS FOR THE
NUMBER 8 THRUST WASHER
PART NO. F81Z-7D044-BA**



*May Be Used With
Both Design Sun Shells
(See Figure 1)*

**NEW DESIGN DIRECT CLUTCH
DRUM "WITHOUT" SLOTS FOR THE
NUMBER 8 THRUST WASHER
PART NO. YC3Z-7D044-BA**



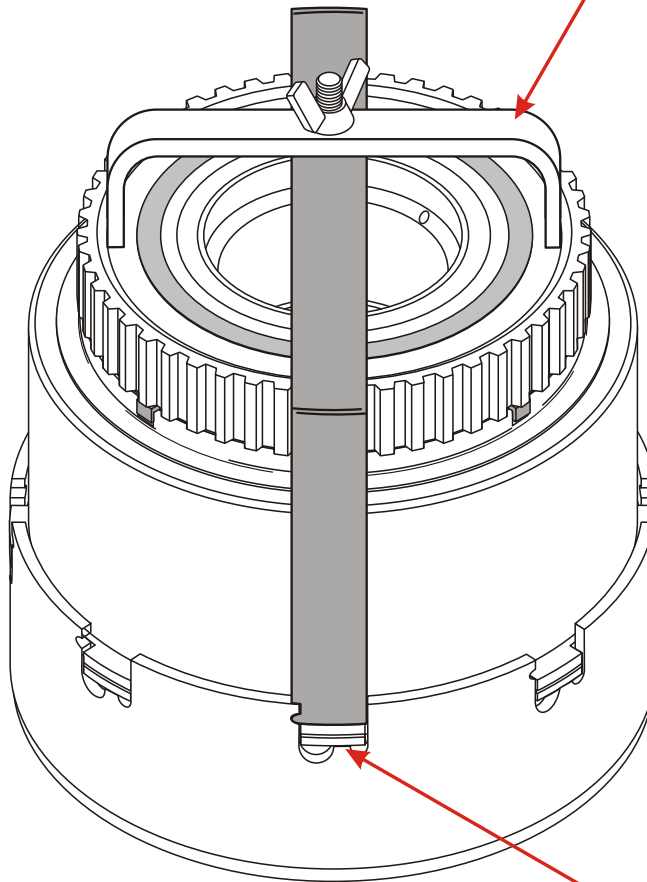
*May Be Used With "ONLY"
The New Design Sun Shell
(See Figure 1)*

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Figure 2

NEW DESIGN LOADING TOOL

*New Design Loading Tool
Works On Both Sun Shells
Available From Ford Motor Co.
Under Part Number 307-436*



*Lugs On Direct Clutch Housing
Now Supported By "Tabs" Added
To Center of Sun Shell Slots Which
Allowed Elimination Of The
Number 8 Thrust Washer*

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Figure 3