



# Technical Service Information

## FORD A4LD OVERDRIVE SPRAG CHANGE

**CHANGE:** Vehicles equipped with A4LD transmissions built after June 9, 1992 contain a plastic caged overdrive sprag assembly that is no *longer* serviced. The previous design steel caged sprag and all related parts must be used for service.

**REASON:** Ford Motor Co. felt that the plastic caged overdrive sprag assembly could be damaged upon disassembly from the overdrive center shaft.

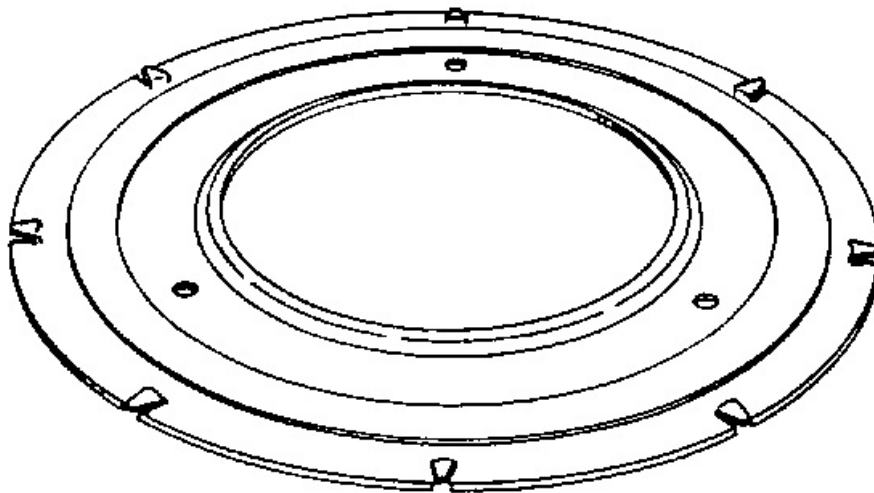
**PARTS AFFECTED:**

- (1) **OVERDRIVE SPRAG ASSEMBLY** - Previous design steel caged sprag must be used, as the plastic caged sprag is no longer serviced, which requires the use of the previous design ring gear and the previous retaining washer (See Figure 3).
- (2) **OVERDRIVE RING GEAR** - Previous design ring gear must be used to accommodate the steel caged sprag and retaining washer that must be used. Measure the overdrive ring gear, as shown in Figure 2, to ensure you have the proper one.
- (3) **RETAINING WASHER** - Previous design retaining washer shown in Figure 1 must be used to accommodate the previous design overdrive ring gear.

**SERVICE INFORMATION:**

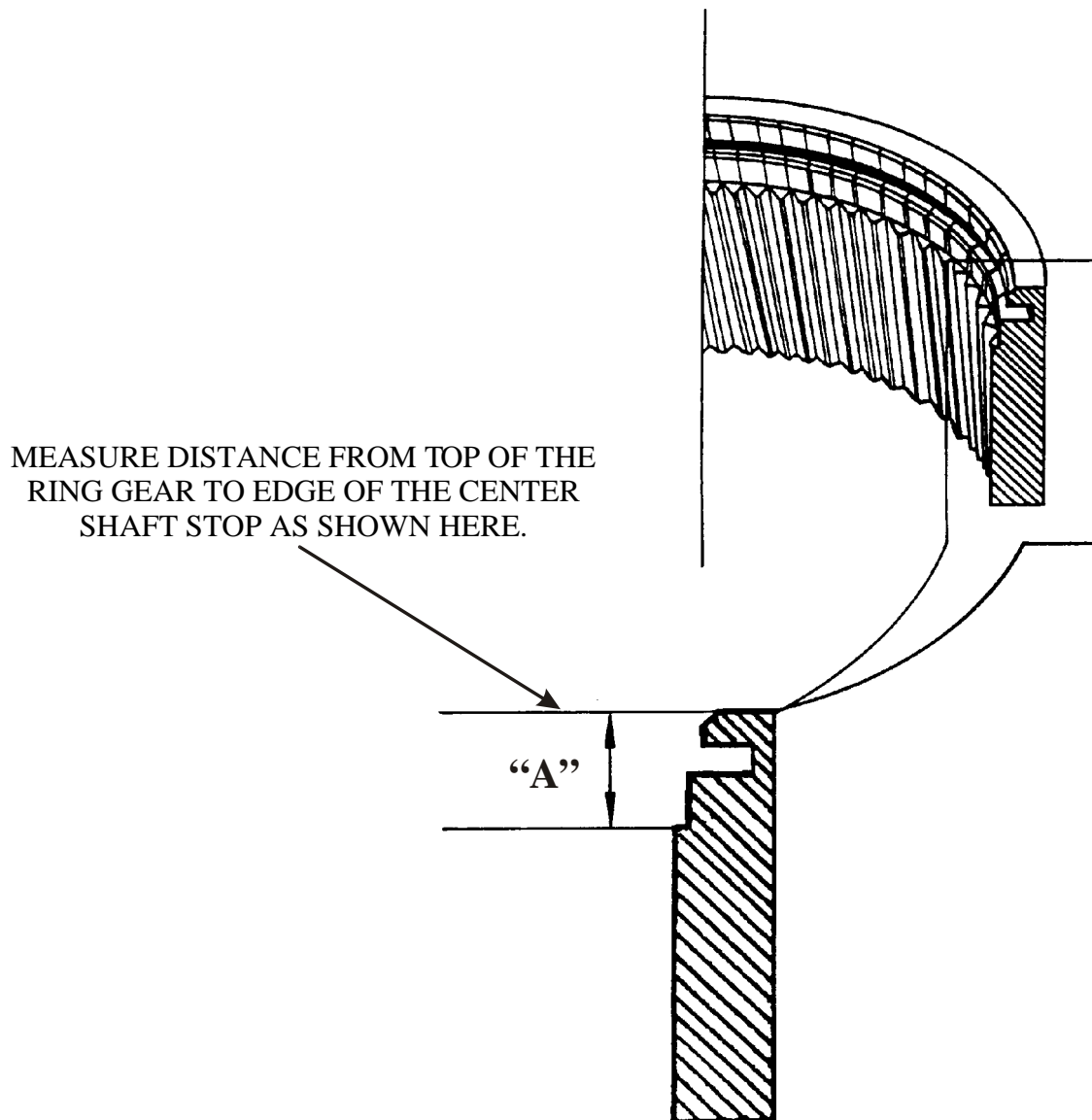
Overdrive Sprag Assembly (Previous Design).....	E5TZ-7A089-A
Overdrive Ring Gear (Previous Design).....	E5TZ-7A153-A
Retaining Washer (Previous Design).....	E7TZ-7L339-A

### PREVIOUS DESIGN RETAINING WASHER



Copyright © 2000 ATSG

Figure 1

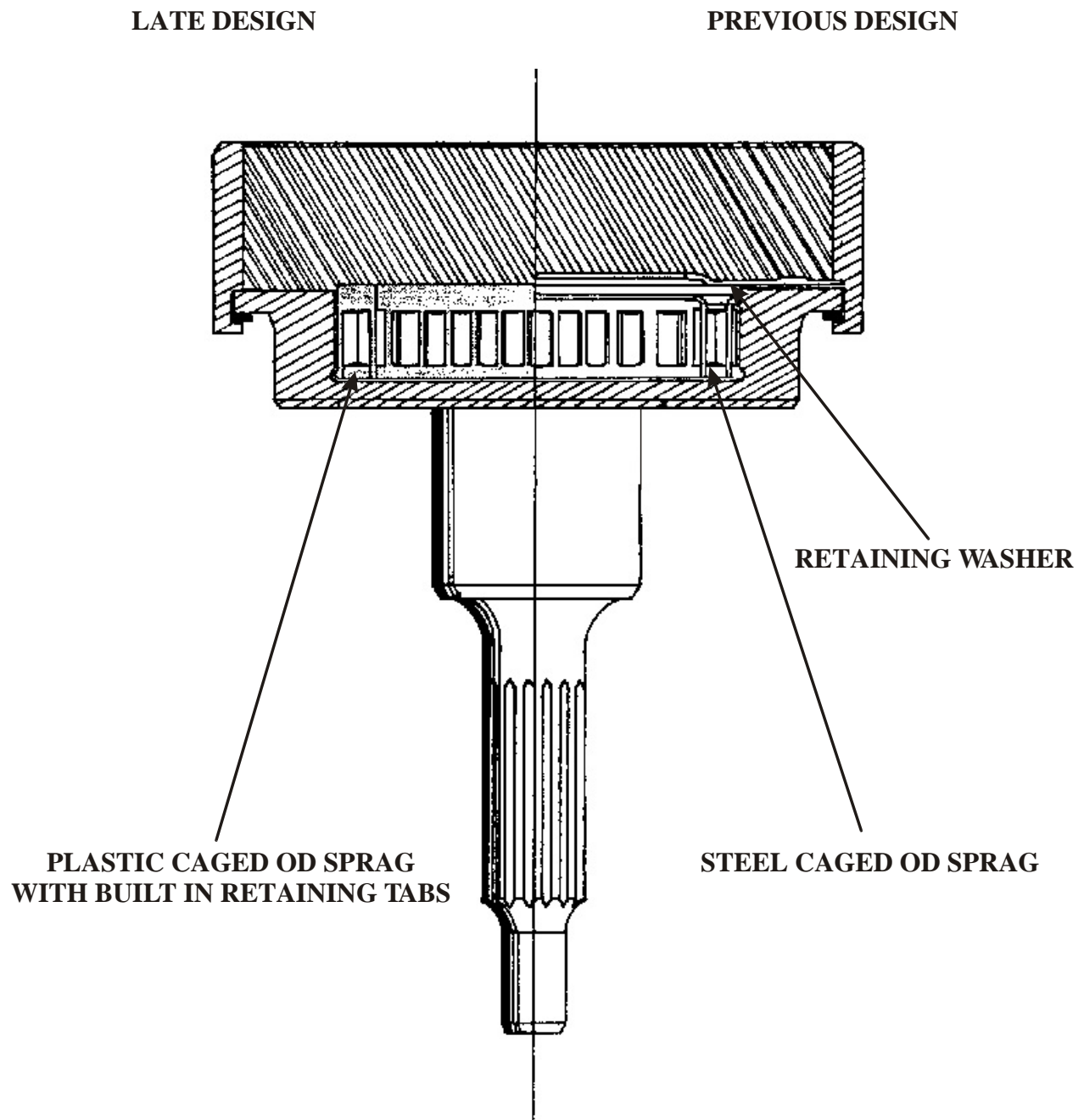
**OVERDRIVE RING GEAR IDENTIFICATION**

**PREVIOUS DESIGN WITH STEEL CAGED SPRAG, DIMENSION "A" = .335"**  
**DESIGN LEVEL WITH PLASTIC CAGED SPRAG, DIMENSION "A" = .295"**  
**COMPATIBLE PARTS MUST BE USED TOGETHER**

Copyright © 2000 ATSG

Figure 2

## OVERDRIVE SPRAG ASSEMBLY



Copyright © 2000 ATSG

Figure 3