



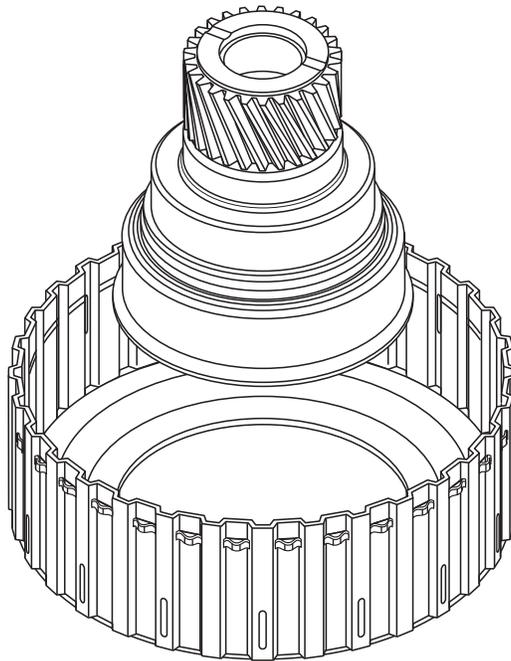
## FORD 5R110W REPEATED COAST CLUTCH HOUSING BREAKING

**COMPLAINT:** Ford vehicles equipped with the 5R110W transmission may exhibit a complaint of repeat Coast Clutch Housing breaking around the weld in the back of the drum. (See Figure 1).

**CAUSE:** The cause may be that the weld in the drum is not strong enough for the type of use the vehicle is under, or the pressure regulator valve is hung up causing low pressure, when pressure finally builds high enough for engagement it could be explained like a "neutral drop" which could snap the sun-gear section of the drum away from the stamped steel section of the drum.

**CORRECTION:** To correct this condition, refer to Figure 2 for an exploded view of the Coast Clutch Housing. Refer to Figure 3 and re-enforce the weld in the area shown. *Note: A new drum may come back with the same issue, as this weld area has not changed.* Also while the trans is out re-check the pressure regulator valve to make sure that it is not hanging, as shown in Figure 4.

### BROKEN COAST CLUTCH HOUSING



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Figure 1

## FORD 5R110W REPEATED COAST CLUTCH HOUSING BREAKING

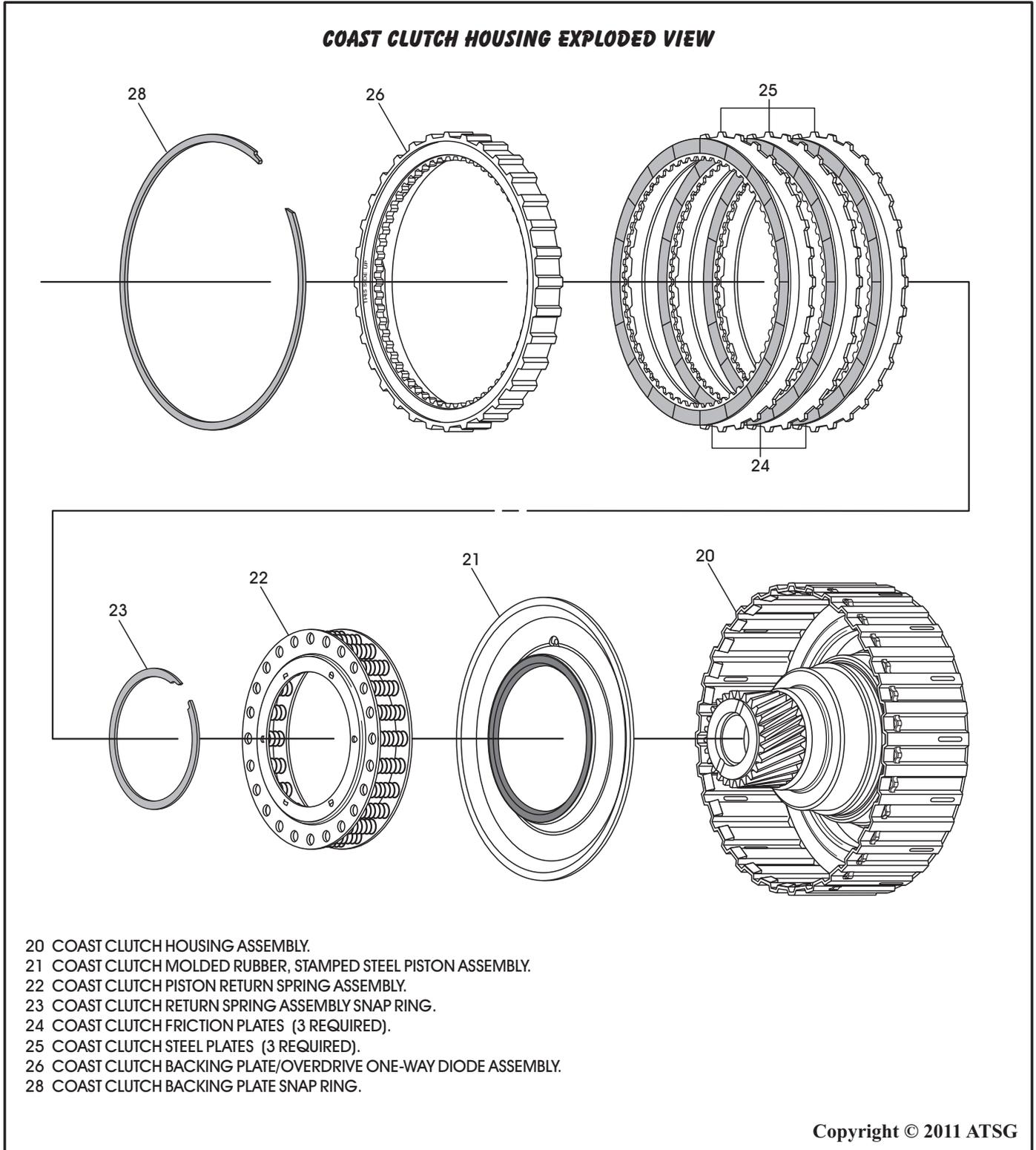
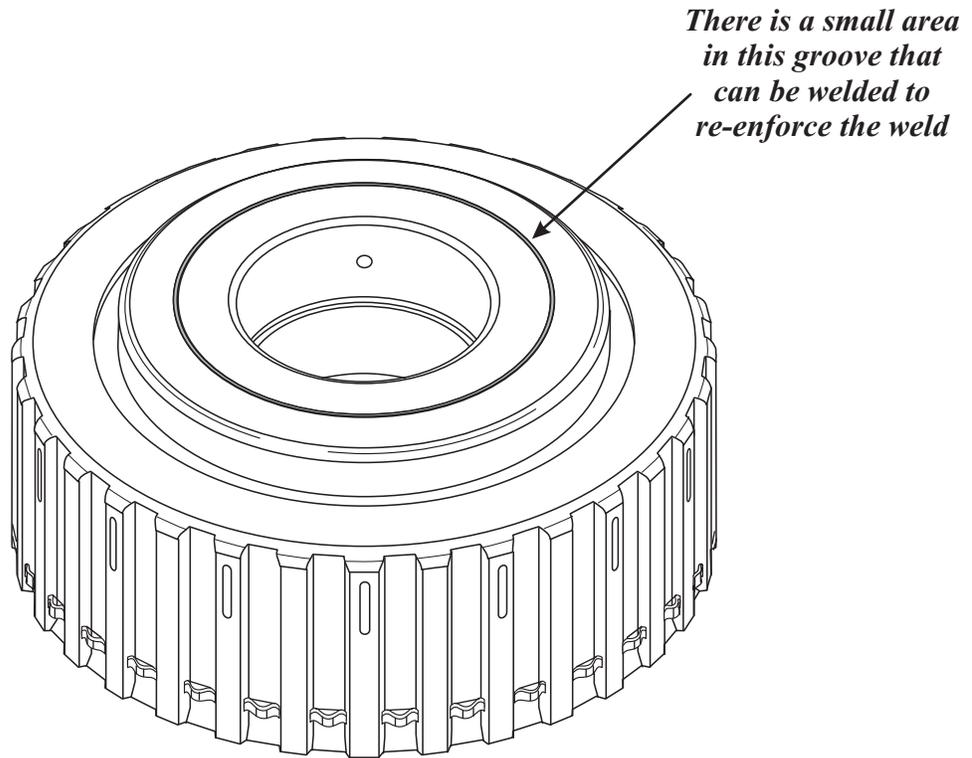


Figure 2

**FORD 5R110W  
REPEATED COAST CLUTCH HOUSING BREAKING**

**COAST CLUTCH HOUSING  
REAR SIDE**

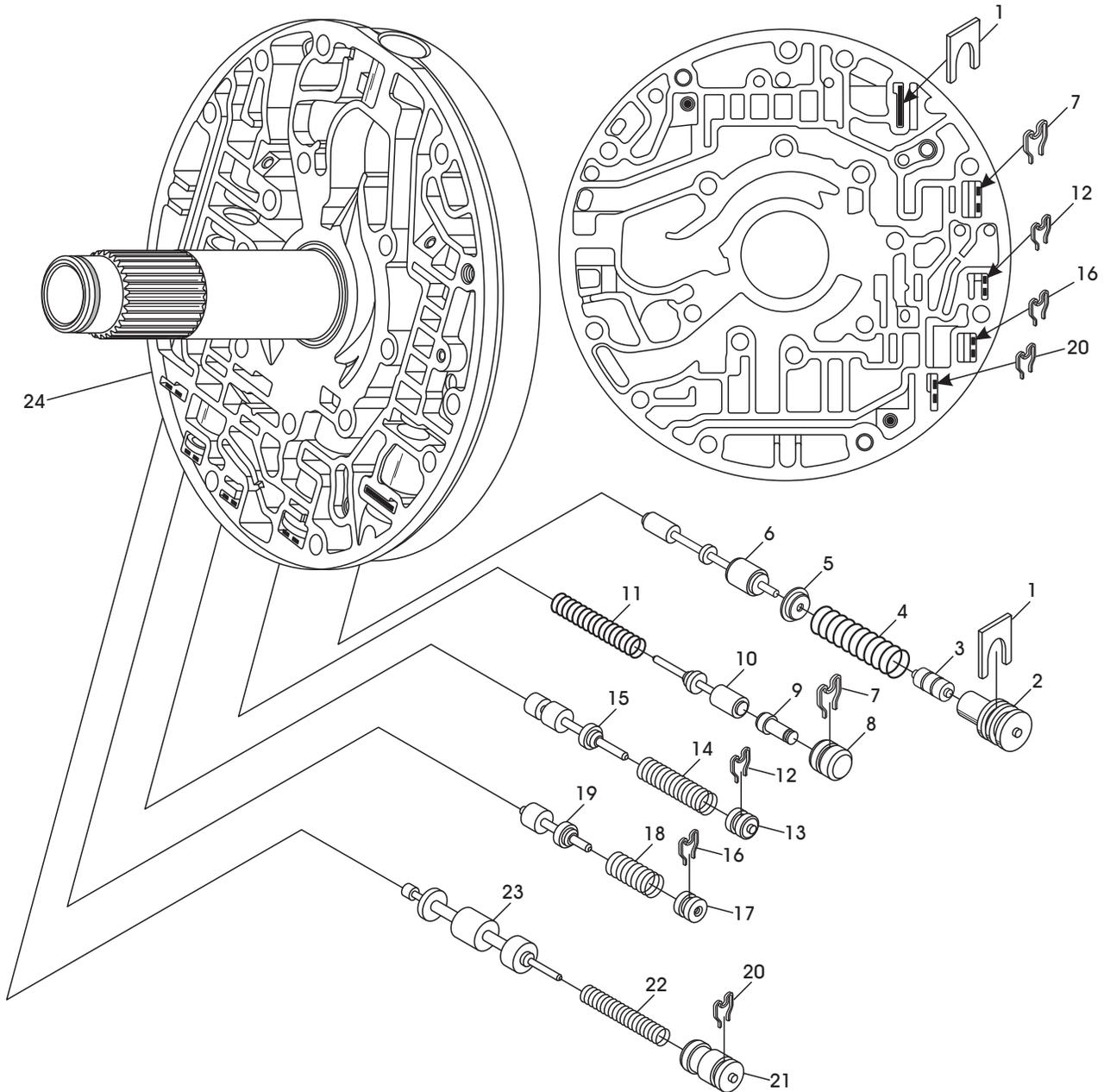


*Note: This re-enforced weld will not contact the Pump to Coast Drum washer surface.*

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Figure 3

## OIL PUMP COVER ASSEMBLY EXPLODED VIEW



- |   |  |
|---|--|
| 1 CONVERTER CLUTCH CONTROL VALVE BORE PLUG RETAINER.    | 13 CONVERTER PRESSURE LIMIT VALVE BORE PLUG.           |
| 2 CONVERTER CLUTCH CONTROL VALVE SLEEVE.                | 14 CONVERTER PRESSURE LIMIT VALVE SPRING.              |
| 3 CONVERTER CLUTCH CONTROL VALVE PLUG.                  | 15 CONVERTER PRESSURE LIMIT VALVE.                     |
| 4 CONVERTER CLUTCH CONTROL VALVE SPRING.                | 16 CONVERTER ANTI-DRAIN BACK VALVE BORE PLUG RETAINER. |
| 5 CONVERTER CLUTCH CONTROL VALVE SPRING SEAT.           | 17 CONVERTER ANTI-DRAIN BACK VALVE BORE PLUG.          |
| 6 CONVERTER CLUTCH CONTROL VALVE.                       | 18 CONVERTER ANTI-DRAIN BACK VALVE SPRING.             |
| 7 COOLER BYPASS VALVE BORE PLUG RETAINER (ORANGE I.D.). | 19 CONVERTER ANTI-DRAIN BACK VALVE.                    |
| 8 COOLER BYPASS VALVE BORE PLUG.                        | 20 MAIN REGULATOR VALVE BORE PLUG RETAINER.            |
| 9 THERMOSTATIC VALVE ASSEMBLY.                          | 21 MAIN REGULATOR VALVE BORE PLUG.                     |
| 10 COOLER BYPASS VALVE.                                 | 22 MAIN REGULATOR VALVE SPRING.                        |
| 11 COOLER BYPASS VALVE SPRING.                          | 23 MAIN REGULATOR VALVE.                               |
| 12 CONVERTER PRESSURE LIMIT VALVE BORE PLUG RETAINER.   | 24 OIL PUMP COVER ASSEMBLY.                            |

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Figure 4