



Technical Service Information

FORD AOD-E/4R70W SLIPPING OR PROLONGED 1-2 UPSHIFT

COMPLAINT: Before and/or after rebuild, the vehicle exhibits a slipping condition on the 1-2 upshift, and sometimes will not be displayed until some miles have been put on the vehicle.

CAUSE: The cause may be, premature 1-2 accumulator seal wear, which also creates the case accumulator bore to become scuffed, which leads to the loss in the 1-2 shift.

CORRECTION: Replace the cast aluminum 1-2 accumulator piston with a new design one piece stamped steel piston with molded rubber lip seals, and replace the top accumulator spring with the revised parts available from Ford Motor Co. Case replacement should not be necessary with the use of the revised stamped steel accumulator piston. Refer to Figure 1 to remove the piston assembly. Refer to Figure 2 for illustration of both design stack-ups, and to Figure 3 for a chart to install the proper revised springs into the proper model.

SERVICE INFORMATION:

1-2 Accumulator Piston (New Design)	F7AZ-7F251-AA
1-2 Accumulator Spring, Bottom, (Purple)	F3LY-7F284-A
1-2 Accumulator Spring, Bottom, (Pink)	F4UZ-7F284-A
1-2 Accumulator Spring, Bottom, (Violet)	F7AZ-7F284-BA
1-2 Accumulator Spring, Top, (White)	F7AZ-7F284-AA
1-2 Accumulator Spring, Top, (Dk. Blue)	F7AZ-7F284-CA
1-2 Accumulator Spring, Top, (Lt. Blue)	F75Z-7F284-AA
1-2 Accumulator Spring, Top, (Brown)	F75Z-7F284-BA

Note: When referencing spring location, bottom refers to the bottom of the transmission as it sits in the vehicle (pan side).

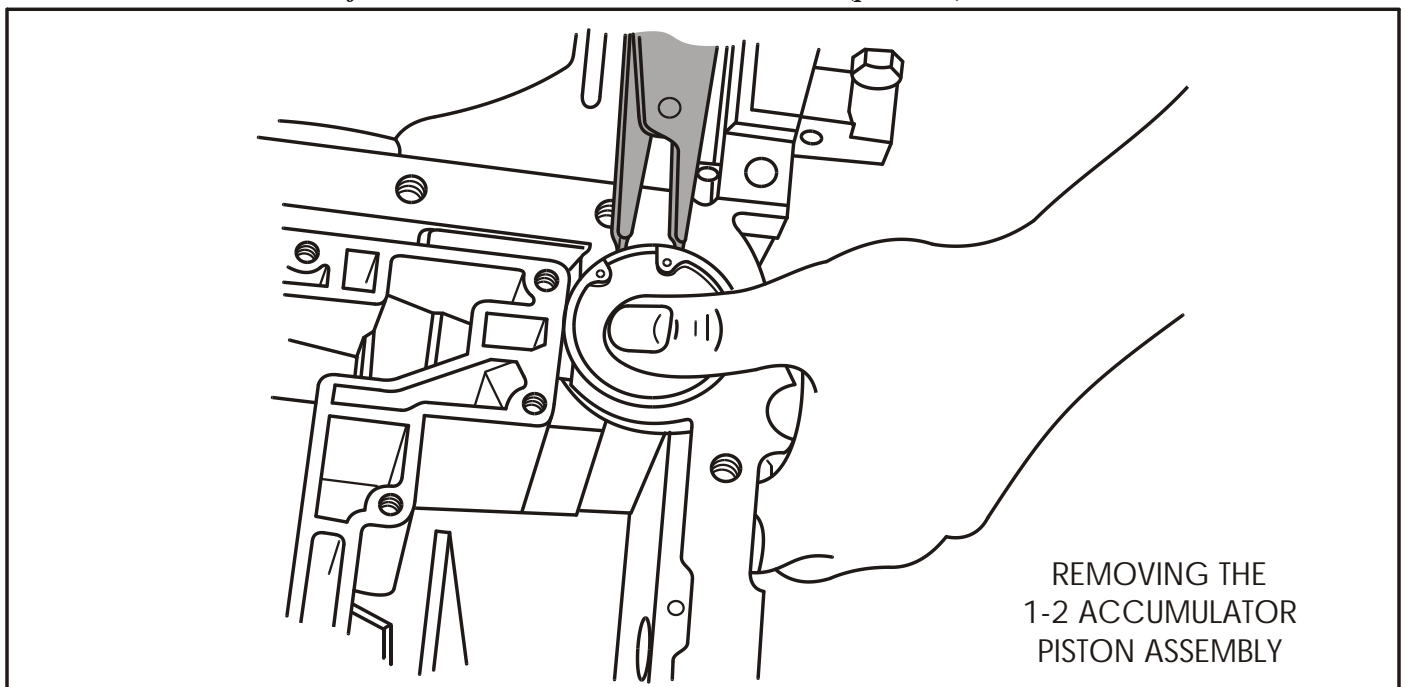
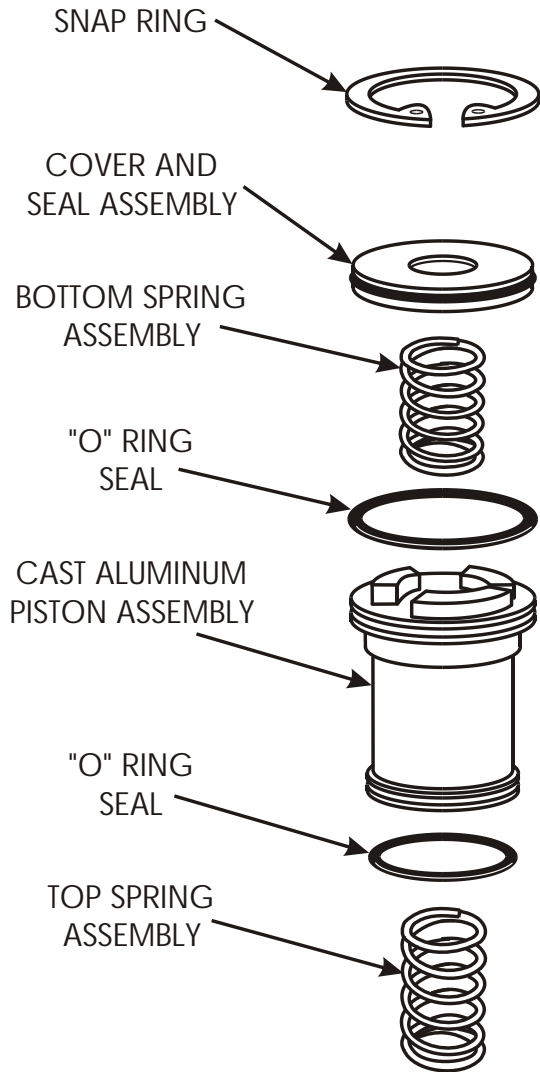
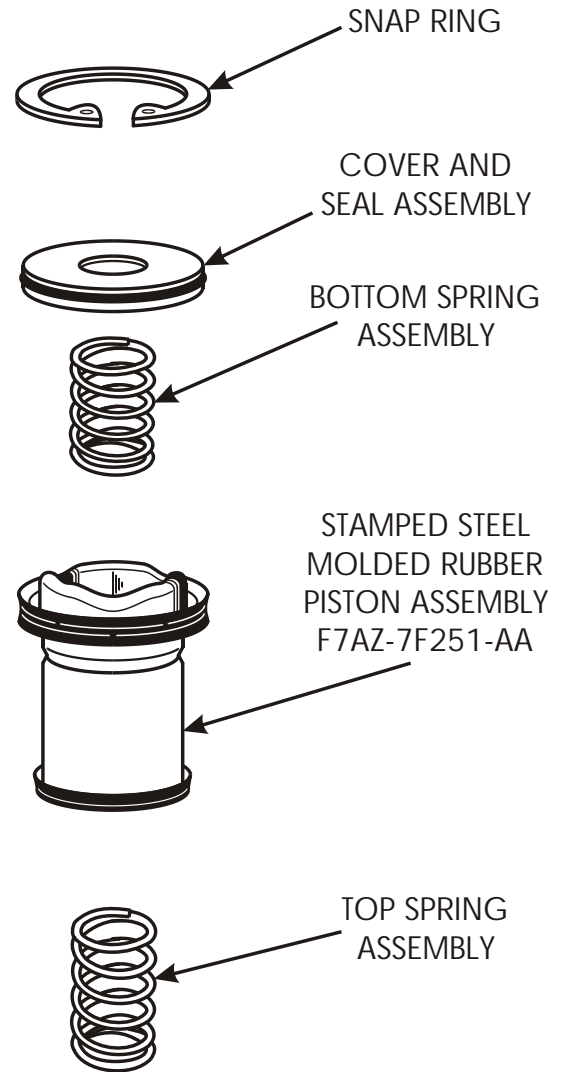


Figure 1

PREVIOUS DESIGN 1-2 ACCUMULATOR ASSEMBLY



NEW DESIGN 1-2 ACCUMULATOR ASSEMBLY



Note: When referencing spring location, bottom refers to the bottom of transmission as it sits in the vehicle (pan side).



Technical Service Information

		1992	1993	1994	1995	1996	1997
Crown Victoria 4.6L	TOP	NONE	NONE	F7AZ-CA (Dk. Blue)	F7AZ-AA (White)	F7AZ-AA (White)	F7AZ-AA (White)
Grand Marquis 4.6L	BOTTOM	F7AZ-BA (Violet)	F7AZ-BA (Violet)	F7AZ-BA (Violet)	F3LY-A (Purple)	F3LY-A (Purple)	F3LY-A (Purple)
Mark VIII 4.6L 4V	TOP	NA	F75Z-AA (Lt. Blue)	F75Z-AA (Lt. Blue)	F75Z-AA (Lt. Blue)	F75Z-AA (Lt. Blue)	F75Z-AA (Lt. Blue)
	BOTTOM	NA	F3LY-A (Purple)	F3LY-A (Purple)	F3LY-A (Purple)	F3LY-A (Purple)	F4UZ-A (Pink)
Mustang 3.8L	TOP	NA	NA	NONE	NONE	F7AZ-AA (White)	F7AZ-AA (White)
	BOTTOM	NA	NA	F3LY-A (Purple)	F3LY-A (Purple)	F4UZ-A (Pink)	F4UZ-A (Pink)
Mustang 4.6L	TOP	NA	NA	NONE	NONE	F75Z-AA (Lt. Blue)	F75Z-AA (Lt. Blue)
	BOTTOM	NA	NA	F3LY-A (Purple)	F3LY-A (Purple)	F3LY-A (Purple)	F3LY-A (Purple)
Mustang 5.0L	TOP	NA	NA	NONE	NONE	NA	NA
	BOTTOM	NA	NA	F3LY-A (Purple)	F3LY-A (Purple)	NA	NA
Thunderbird 3.8L & Cougar 3.8L	TOP	NA	NA	NONE	NONE	F7AZ-AA (White)	F7AZ-AA (White)
	BOTTOM	NA	NA	F3LY-A (Purple)	F3LY-A (Purple)	F4UZ-A (Pink)	F4UZ-A (Pink)
Thunderbird 4.6L & Cougar 4.6L	TOP	NA	NA	NONE	NONE	F75Z-AA (Lt. Blue)	F75Z-AA (Lt. Blue)
	BOTTOM	NA	NA	F3LY-A (Purple)	F3LY-A (Purple)	F3LY-A (Purple)	F3LY-A (Purple)
Town Car 4.6L	TOP	NONE	NONE	F7AZ-CA (Dk. Blue)	F7AZ-AA (White)	F7AZ-AA (White)	F7AZ-AA (White)
	BOTTOM	F7AZ-BA (Violet)	F7AZ-BA (Violet)	F7AZ-BA (Violet)	F3LY-A (Purple)	F3LY-A (Purple)	F3LY-A (Purple)
Econoline 4.2L & 4.6L	TOP	NA	NA	NA	NA	NA	F75Z-BA (Brown)
	BOTTOM	NA	NA	NA	NA	NA	F4UZ-A (Pink)
Econoline 5.0L	TOP	NA	NA	F7AZ-AA (White)	F7AZ-AA (White)	F7AZ-AA (White)	NA
	BOTTOM	NA	NA	F4UZ-A (Pink)	F4UZ-A (Pink)	F4UZ-A (Pink)	NA
Expedition 4.6L	TOP	NA	NA	NA	NA	NA	F75Z-AA (Lt. Blue)
	BOTTOM	NA	NA	NA	NA	NA	F4UZ-A (Pink)
Explorer 5.0L & Mountaineer	TOP	NA	NA	NA	NA	F7AZ-AA (White)	F7AZ-AA (White)
	BOTTOM	NA	NA	NA	NA	F4UZ-A (Pink)	F4UZ-A (Pink)
F-150 4.2L	TOP	NA	NA	NA	NA	F7AZ-AA (White)	F7AZ-AA (White)
	BOTTOM	NA	NA	NA	NA	F4UZ-A (Pink)	F4UZ-A (Pink)
F-150 4.6L	TOP	NA	NA	NA	NA	F75Z-AA (Lt. Blue)	F75Z-AA (Lt. Blue)
	BOTTOM	NA	NA	NA	NA	F4UZ-A (Pink)	F4UZ-A (Pink)
F-150 5.0L	TOP	NA	NA	F7AZ-AA (White)	F7AZ-AA (White)	F7AZ-AA (White)	NA
	BOTTOM	NA	NA	F4UZ-A (Pink)	F4UZ-A (Pink)	F4UZ-A (Pink)	NA
F-250 LD 4.6L	TOP	NA	NA	NA	NA	NA	F75Z-BA (Brown)
	BOTTOM	NA	NA	NA	NA	NA	F4UZ-A (Pink)

Notes: 1. The base part number for the springs is -7F284-. For example, the part number for the pink spring is F4UZ-7F284-A.
2. When referencing spring location, bottom refers to the bottom of the transmission as it sits in the vehicle (pan side).
3. "NA" means that the AOD-E/4R70W transmission was "Not Available", and not used for that model year.