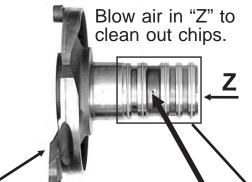


Wire end in hole

Positive lube flow now squirts out of the notches on end of sun gear directly onto the planetary gear teeth and the needle bearing.



Small hole in inner sleeve.

LISTEN UP:

Take care when drilling the small hole in inner sleeve. Do not disturb existing outer support hole. The **BUSHING** furnished must be able to press fit into the existing outer hole.

Sprocket Support

C Re-drill the small hole in the *inner sleeve*, use .187 to .196 drill. De-burr hole inside the support with a file.

D With a punch install the **Bushing** furnished into lube hole and *re-drill* hole in **BUSHING** .073 to .086.



Front Planetary

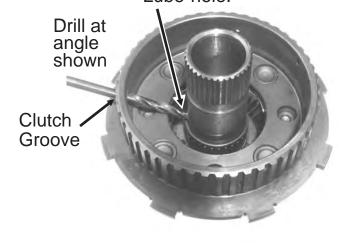
A Enlarge the two holes just below the needle bearing with the .110 drill furnished. Insert drill from the side between the pinion gear and housing.

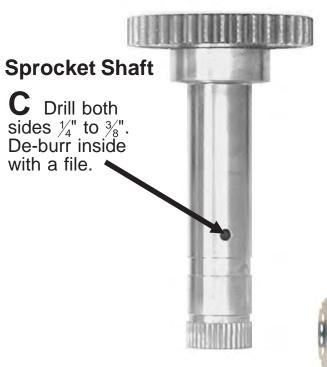
If you can't line up with the holes to drill them, it's **OK** to drill two new .110 holes.



B Find the lube hole just above the bearing. Drill a ¼" hole through a clutch groove in line with the lube hole. Then enlarge the lube hole to ¼". Lube hole.

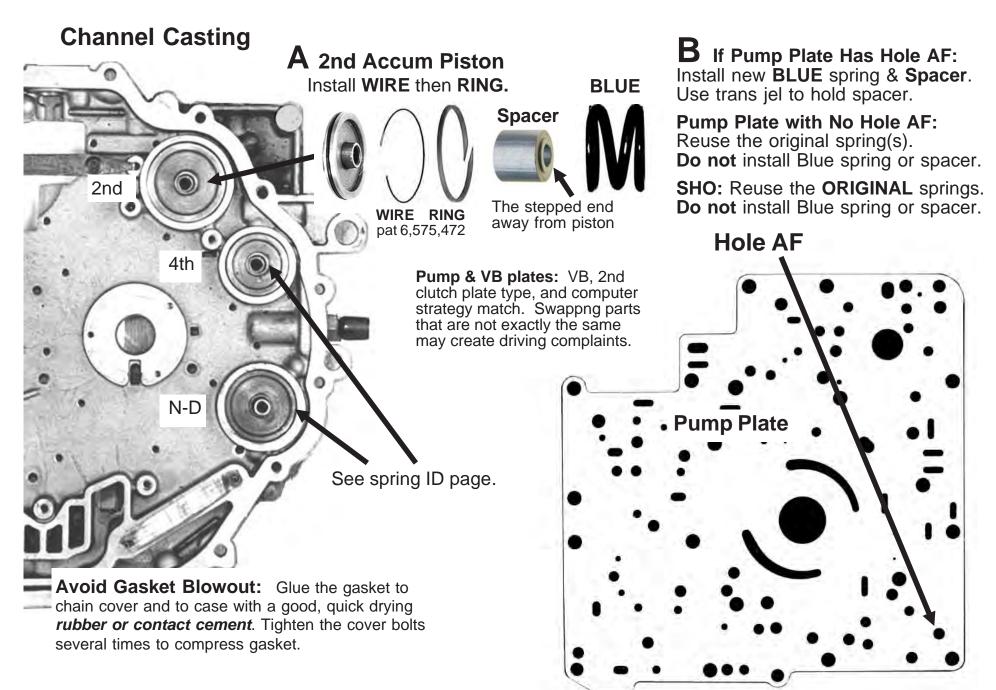
These upgrades increase lube to front planet about 10 times.

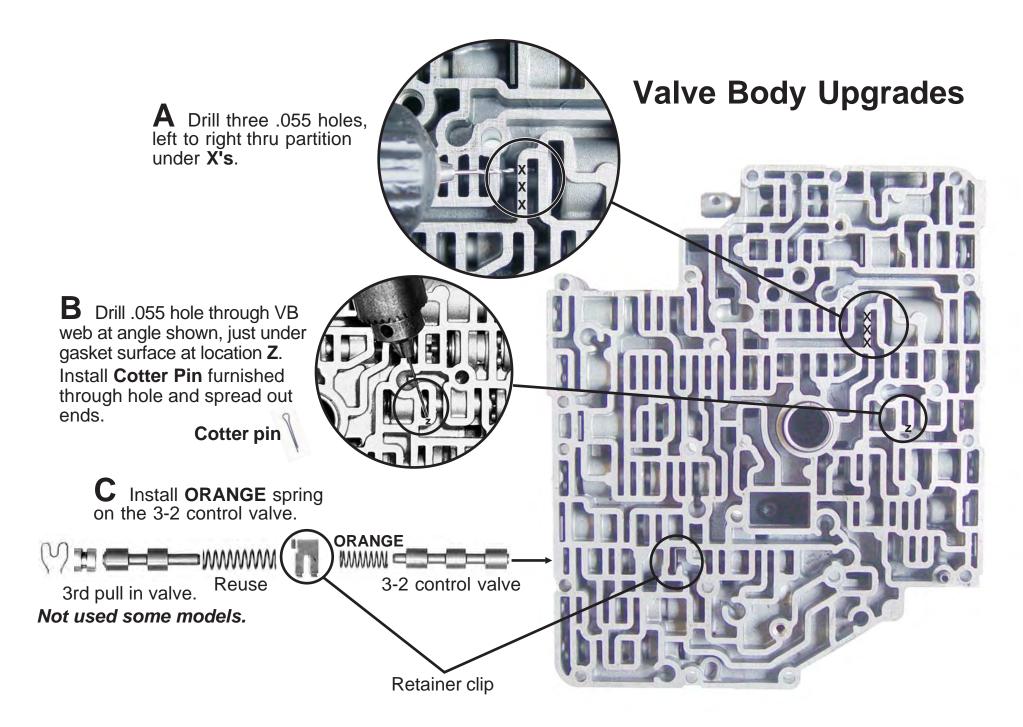




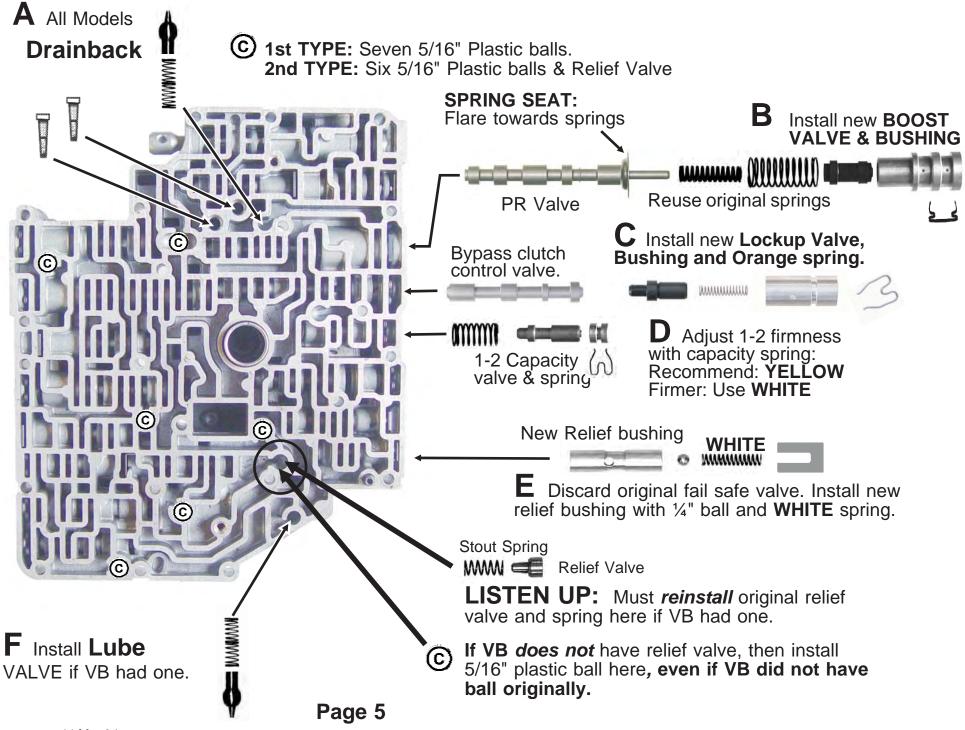
D 1-2 Servo (*on side of trans*) Install WIRE SHIM in cover.

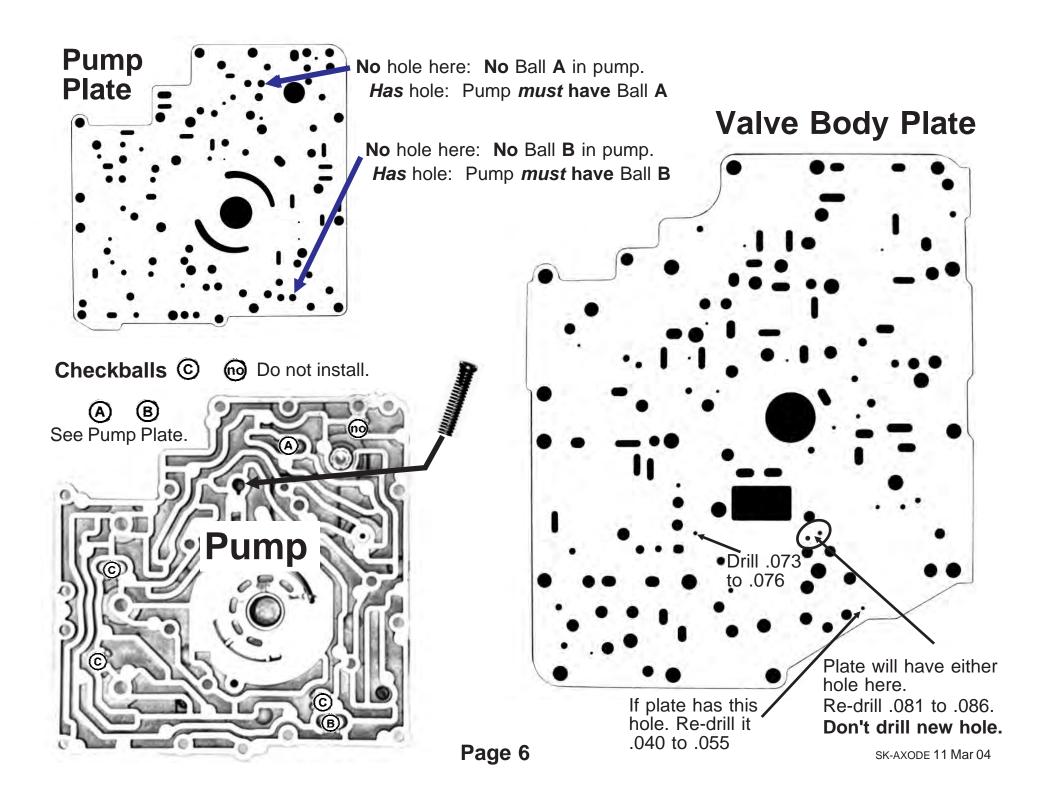




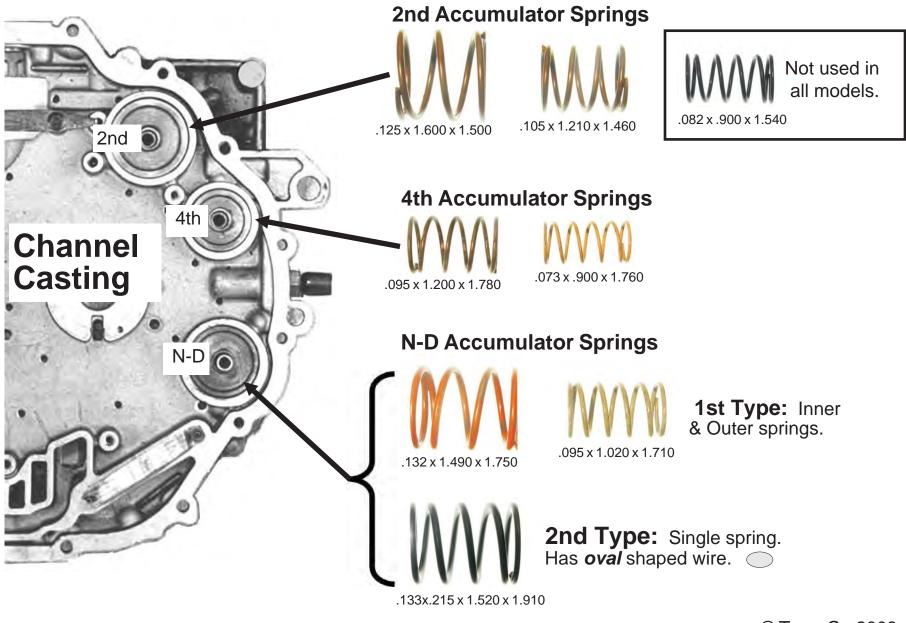


SK-AXODE 11 Mar 04





Accumulator Springs Identification 1996up



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READ THIS FIRST

Creating Quality Shifts and Avoiding Rework

1996-01 Vehicles: Came with Hi-Energy (Green) 2nd and 3rd clutches. During light acceleration the ECM commands pressure of 140 to 160 psi. Using brown clutches in these applications will cause rough shift complaint. Even if the 2nd & 3rd plates look OK, Don't reuse them. They become glazed, hard, and lose their ability to hold which creates a long soft apply. Always install new friction plates. Hi-Energy does not mean the plate has more friction capacity, it means the plate will handle higher temperature without burning.

ALWAYS identify the year of vehicle

Due to exchange installations and mis-builds you may find many combinations coming in the door. 96up should be built with New Hi-Energy (Green) 2nd & 3rd clutch plates to match the ECM commands of pressure spike during shifts.

2nd Clutch wave plate

All 3.0L: Had 4 frictions and wave plate. 3.8L Before 1998¹/₂: Had 5 frictions and a wave. 3.8L After 1998¹/₂: Had 5 frictions and no wave.

(Green) Hi-Energy 3rd plates with Kolene steels.



LISTEN UP: This trans can have shudders, clangs or bumps by using the wrong fluid:

Use Mercon V



(Green) Hi-Energy 2nd plates with Kolene steels.



Identify Piston

The drum shown above with dual 2nd clutch pistons and heavy return springs was only used in 93-94 SHO Taurus, 96-99 Windstars with 3.8L engines. This drum also requires taller 2nd clutch hub. Using this setup or any part of this setup in another application can create

Dual 2nd clutch piston with heavy return springs shown Quick ID: Can't see return springs = dual piston. Can see return springs = single piston.



"Thanks for Listening"

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complaints and failures.

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