# SK<sup>®</sup> AXODE/AX4S-Jr Shift Kit<sup>®</sup>

## Fits: Taurus/Sable/Continental 1996 to 2003



## Fits: Windstar 1995 to 2002

## **Reduces/Corrects/Prevents**

Planet burn up--Kickdown Runaway--No upshift 2nd Clutch failure---Rough shifts---Long shifts Neutral on slow corners

**B** Slide the **WIRE CLIP** over

the end of the sun gear. Insert the ends into lube holes located in the middle of the gear teeth.

Sun Gear

**A** Grind *two* notches  $\frac{1}{32}$ " to  $\frac{1}{16}$ " deep opposite each other on the end of the sun gear. It's not fussy.

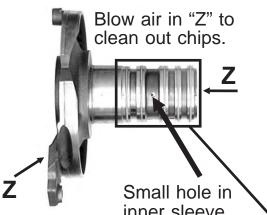
WIRE CLIP



Grind notches

Wire end in hole

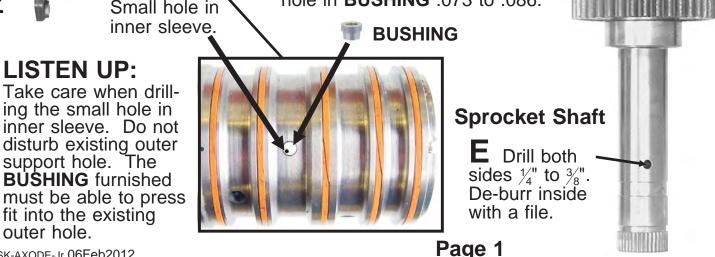
Positive lube flow now squirts out of the notches on end of sun gear directly onto the planetary gear teeth and the needle bearing.

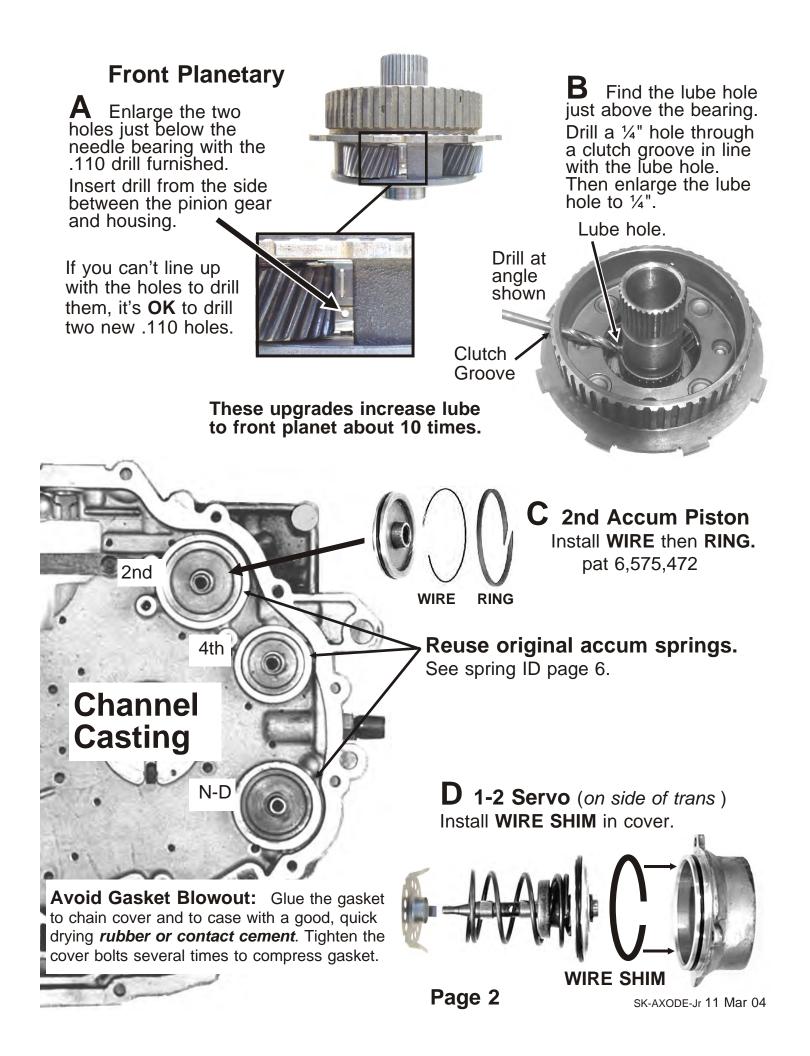


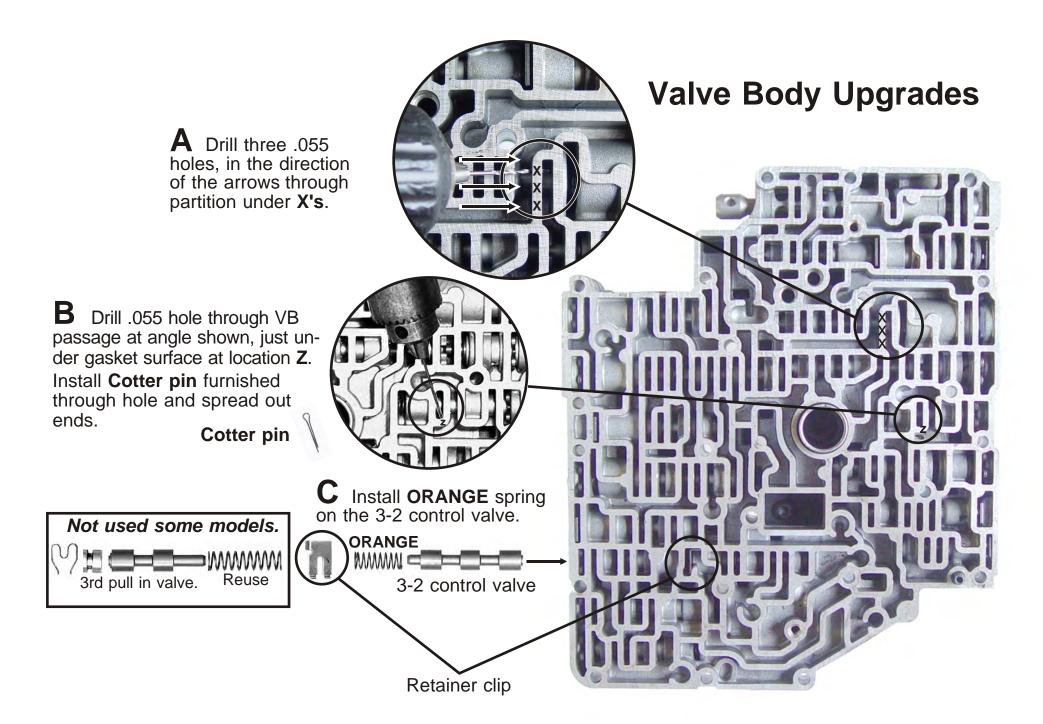
### **Sprocket Support**

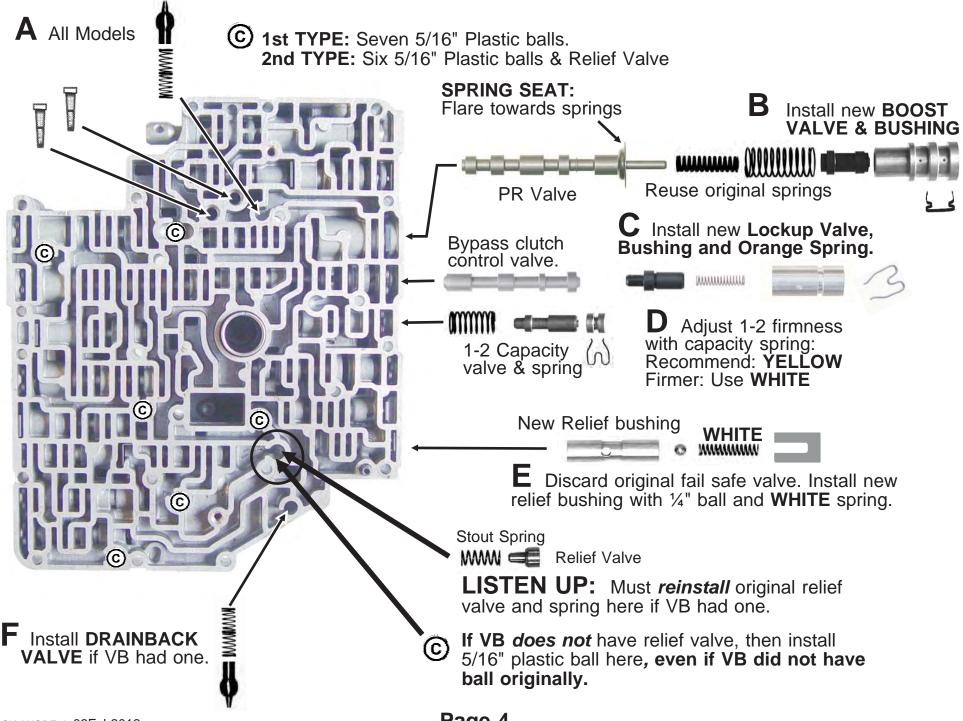
Re-drill the small hole in the inner sleeve, use .187 to .196 drill. De-burr hole inside the support with a file.

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

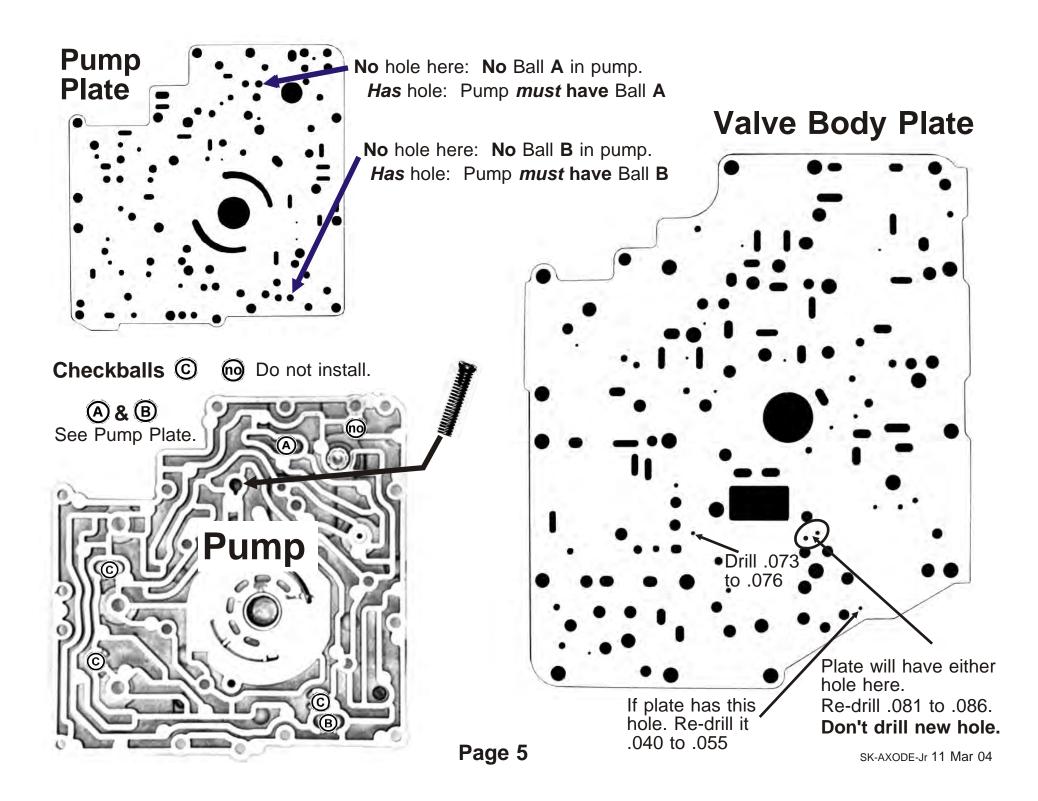




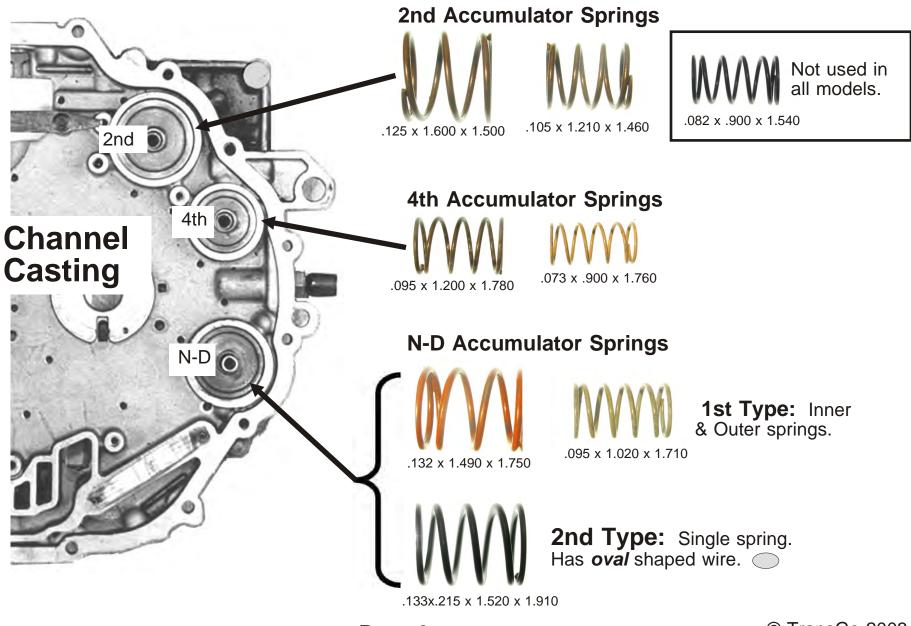




Page 4



## Accumulator Spring Location & Identification



Page 6

© TransGo 2003

## **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 does mean 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 1998<sup>1</sup>/<sub>2</sub>: Had 5 frictions and *a* wave.
3.8L After 1998<sup>1</sup>/<sub>2</sub>: 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



#### **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

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"



create complaints and failures.