



# Technical Service Information

## FORD 5R55N NO 4TH OR 5TH GEAR

**COMPLAINT:** No 4th or 5th gear before and/or after overhaul, possibly a delay to reverse.

**CAUSE:** One possible cause is a broken 4-3 Pre-stroke Intermediate Band Control Spring, as shown in Figure 1.

**REASON:** When the 4-3 Pre-stroke Intermediate Band control spring breaks, the passage to the Direct Clutch is blocked by the valve as shown in partial schematic in Figure 3. See Figure 2 for a partial schematic showing the function of the 4-3 Pre-stroke Intermediate Band Control Valve.

**CORRECTION:** Replace spring from another 5R55N valve body or find a spring that is as close to the original spring, dimension listed below. Sonnax® will have one available soon under part number 56947J-S1

FREE LENGTH	.880"
DIAMETER	.294"
WIRE DIAMETER	.033"
APPROX. COILS	8

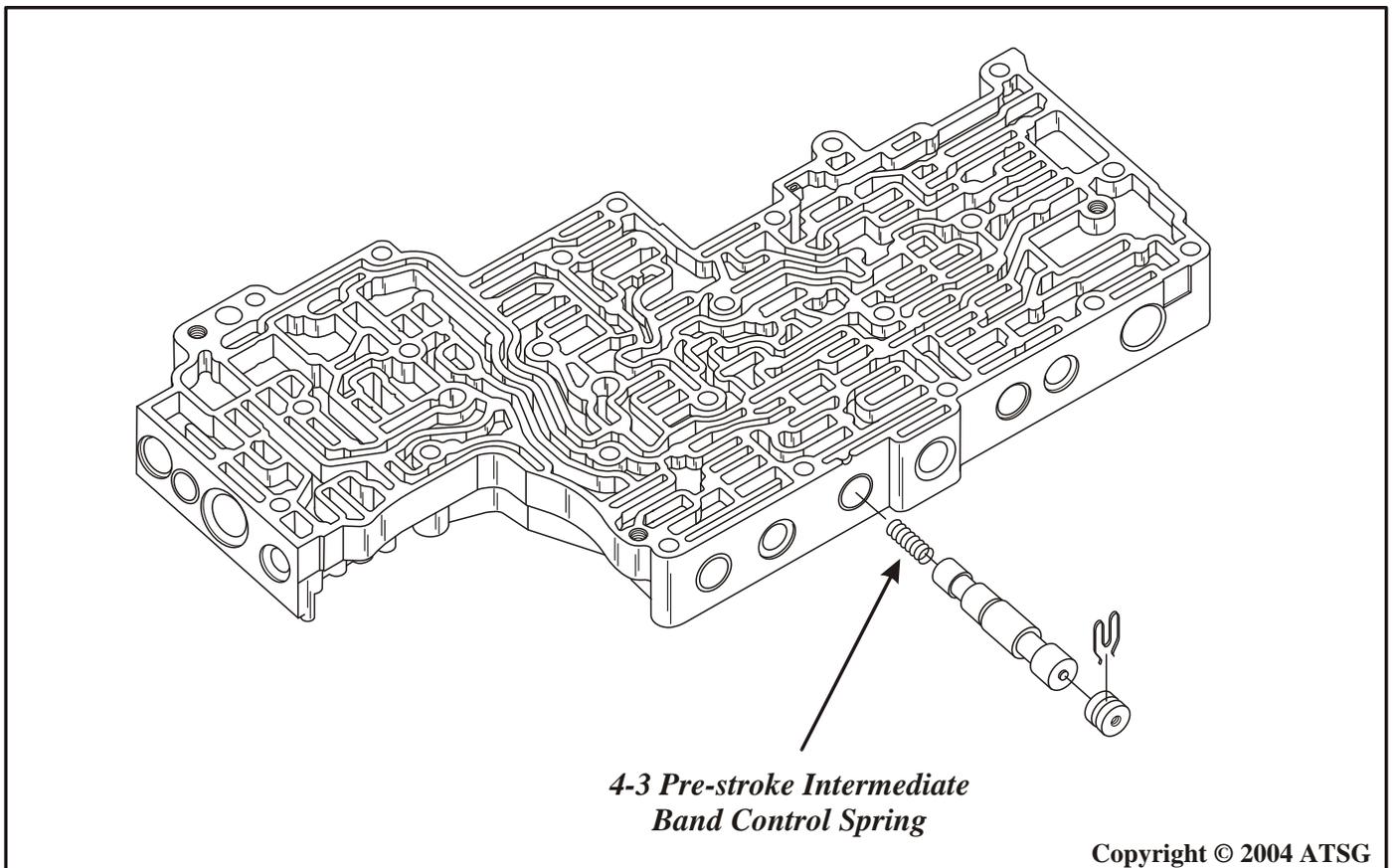
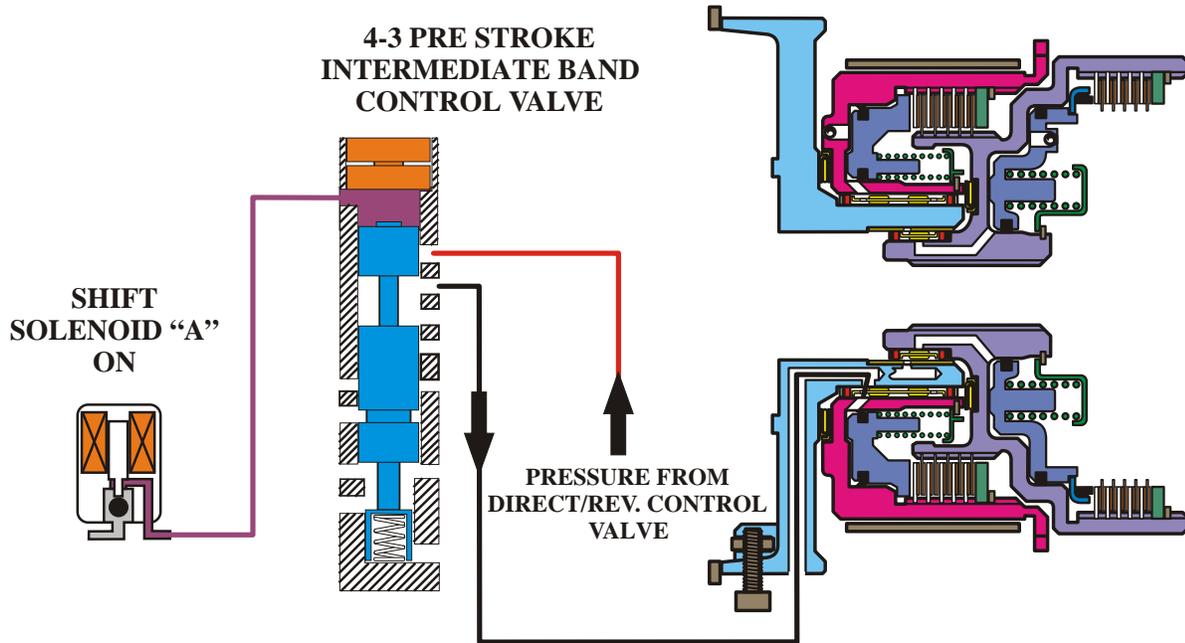
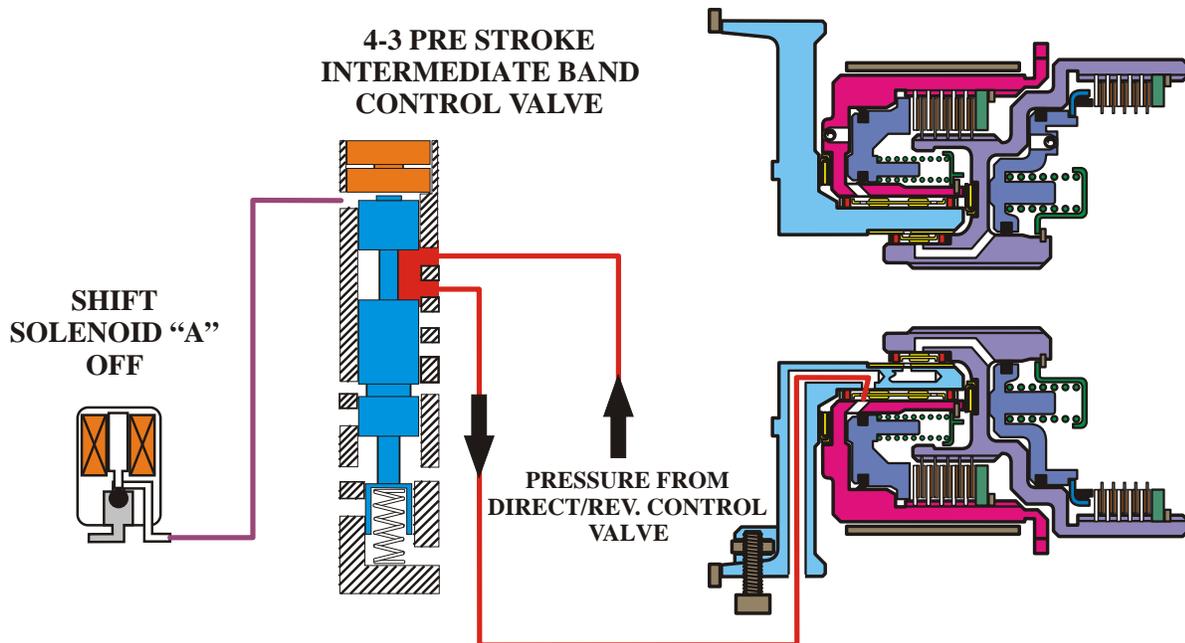


Figure 1

### 4-3 PRE STROKE INTERMEDIATE BAND CONTROL VALVE POSITION IN 3rd GEAR



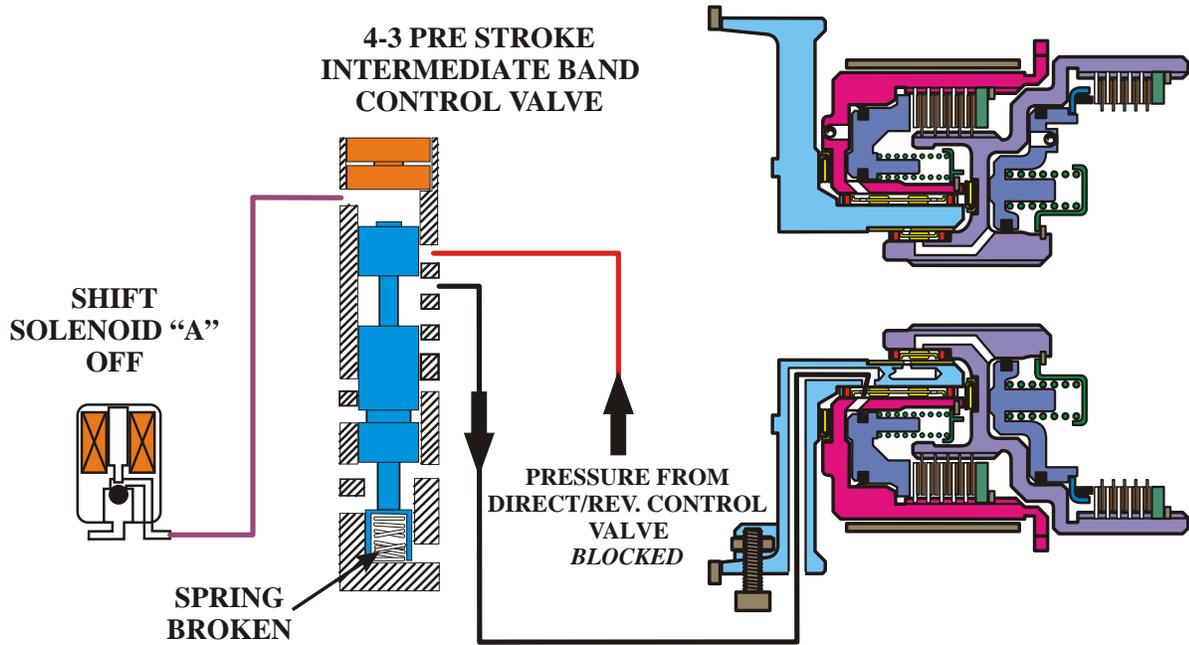
### 4-3 PRE STROKE INTERMEDIATE BAND CONTROL VALVE POSITION IN 4th AND 5th GEAR



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Figure 2

### 4-3 PRE STROKE INTERMEDIATE BAND CONTROL VALVE POSITION IN 4th AND 5th GEAR SPRING BROKEN



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Figure 3