



Technical Bulletin # 1483

Transmission: *A4AF3, A4BF2*

Subject: *Shifts 1-3, No 2nd*

Application: *Hyundai*

Issue Date: *October, 2012*

A4AF3, A4BF2

Shifts 1-3, No 2nd

If shift solenoid C is stuck open, it'll cause the unit to shift into 3rd gear on the 1-2 command. A tip that shift solenoid C is stuck open rather than a commanded 1-3 shift is that the shift will be very aggressive. That's because the clutch applying is the end clutch, and the end clutch isn't regulated during the apply.

The fastest way to test for this is:

- Energize shift solenoid B (2nd gear)
- Start the engine
- Move the shifter to Drive
- Check for pressure at the end clutch

If the end clutch is receiving pressure, either shift solenoid C is stuck open or the control switch valve is stuck or the stopper plates are in the wrong locations. If you want to test it further:

- Move your pressure gauge to servo apply
- Energize shift solenoid A (4th gear)

With the transaxle in 4th gear, shift solenoid C serves as a cutback solenoid. If shift solenoid C is stuck open, you'll have about 95 psi at the servo, rather than about 130 psi. If you do have 130 psi, check the control switch valve.

