

10R80 Adaptive Learning KAM Reset Procedure

Ford Approved Method

Use Forscan / or any capable aftermarket Diagnostic Scan Tool. I used ForScan to perform this procedure. My xTools D8 Scanner also has this function.

This is the only complete and guaranteed reset. It clears **all shift, clutch fill, and pressure adaptives.**

Procedure

1. Vehicle at normal operating temperature
2. Connect ForScan or a Scan Tool that supports TCM Service Functions
3. Navigate to:
 - **TCM → Service Functions**
 - Select **Clear Transmission Adaptive Tables** or **Reset KAM**
4. Follow on-screen prompts
5. Key OFF for at least **2 minutes**
6. Start vehicle
7. **Perform the Adaptive Learning Drive Cycle on the following page**

The 10R80 Adaptive Learning Drive Cycle

Perform after any reset or fluid change

Perform the adaptive learning drive cycle on a level road surface as follows:

1. Record, and then clear any DTC's
2. Drive the vehicle until the engine and transmission reach normal operating temperature.
3. Accelerate from a stop with light throttle (15%), ensuring that upshifts 1st through 8th occur at engine speeds between 1300-1600 rpm.
4. Continue to accelerate (may apply slightly more throttle after 7-8 upshift at 32-38 mph (51-61 km/h) until you achieve 55 mph (88 km/h) and the 8-9 and 9-10 shifts complete.
5. Brake very gently to a complete stop and hold the foot brake for five (5) seconds.
6. Shift the transmission to Neutral. Wait 1 second.
7. Shift the transmission to Reverse. Wait 2 seconds.
8. Shift the transmission to Neutral. Wait 1 second.
9. Shift the transmission to Drive. Wait 2 seconds.
10. Repeat Steps 3 through 9 six (6) additional times.
11. After the final step, place the vehicle in park and cycle the ignition key off. Wait 3-5 minutes before driving.

Given the complexity of the TCM control strategy, the engineers made every effort to allow for partial operation of the unit under most failure conditions.