



# Technical Service Information

## SATURN TAAT DELAYED AND OR NO REVERSE

**COMPLAINT:** Before or after overhaul, Saturn vehicles equipped with the MP6 or MP7 transaxle may exhibit a delayed and or no Reverse condition when *hot*. This condition is usually accompanied with a soft or flared 2nd gear upshift.

**CAUSE:** The cause may be, a loose Mainshaft Nut, as shown in Figure 1, causing a leak in the 2nd clutch circuit. When the nut loosens the mainshaft tends to walk back and forth in the mid case. This causes a gap between the 1st Clutch and the nut, which is where the leak in the 2nd Clutch circuit appears. In Figure 2 the cutaway shows how the 2nd Clutch is fed around the outside of the feed pipe for the 3rd clutch. **Notice** that the area over and under the nut are all part of the 2nd Clutch circuit.

**CORRECTION:** Install a new Mainshaft nut, which has a factory thread locker, as part of every repair. Using a 23mm. 12 point socket torque the new nut to 111 ft.lb.

### SERVICE INFORMATION:

MAINSHAFT NUT.....21001680

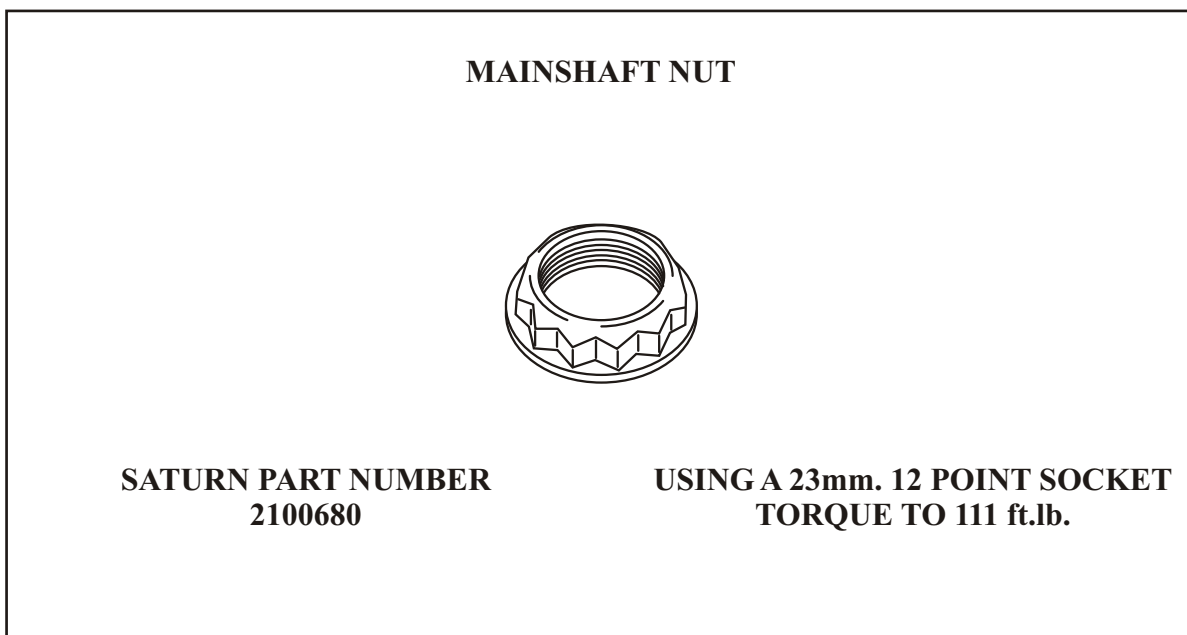
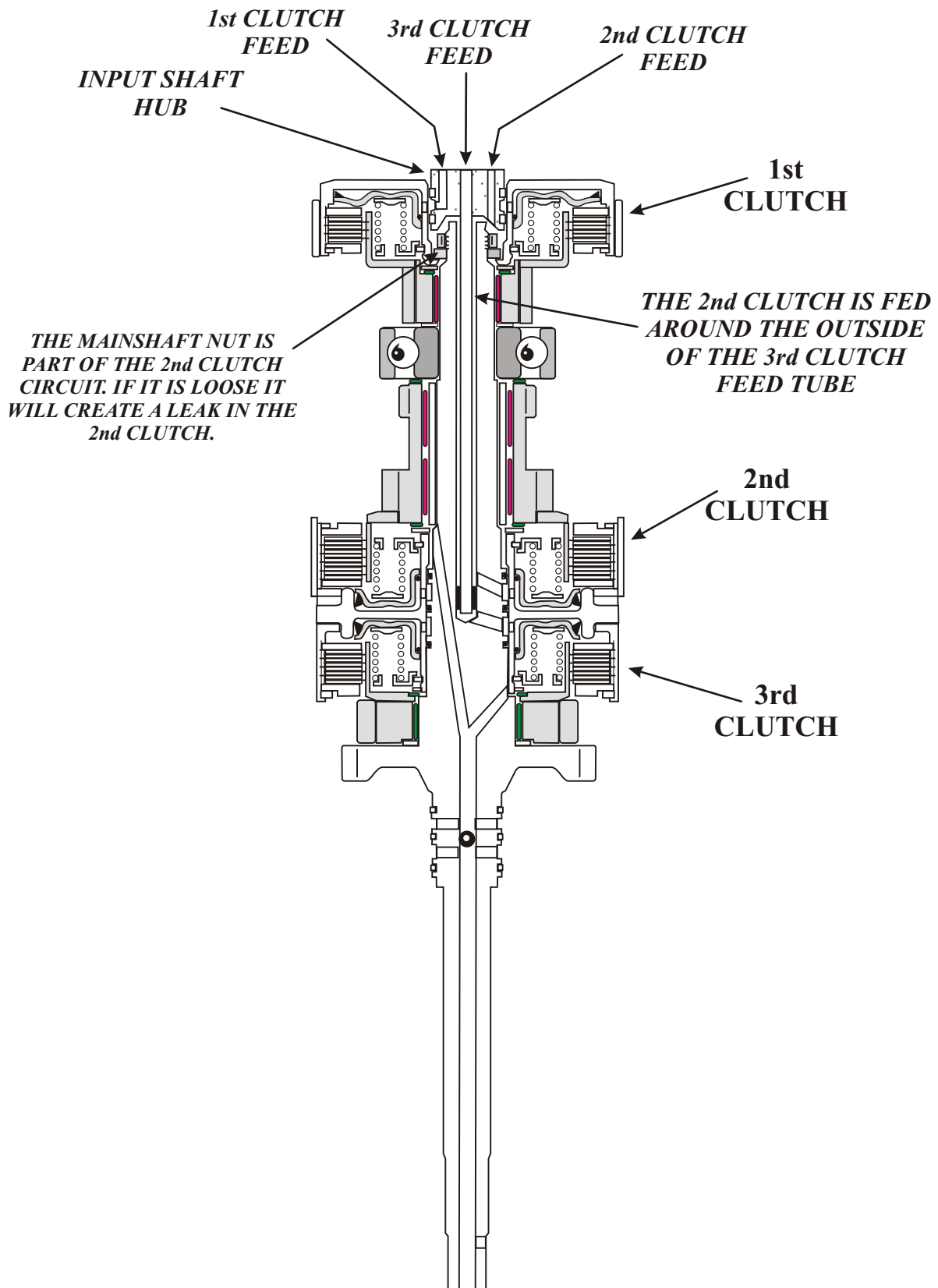


Figure 1

## MAINSHAFT ASSEMBLED



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Figure 2