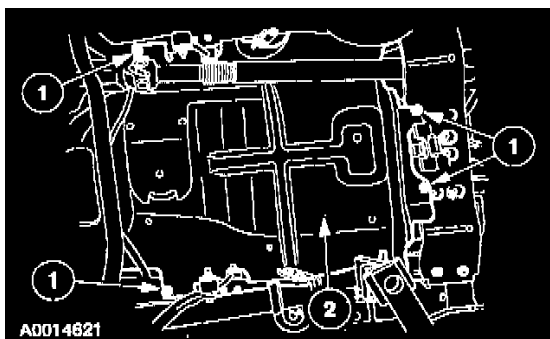


## Transmission Speed Sensor: Service and Repair

### Removal

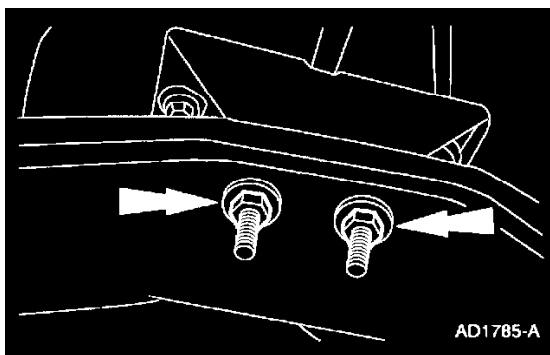
All vehicles

1. Raise the vehicle on a hoist.  
Excursion 7.3L diesel



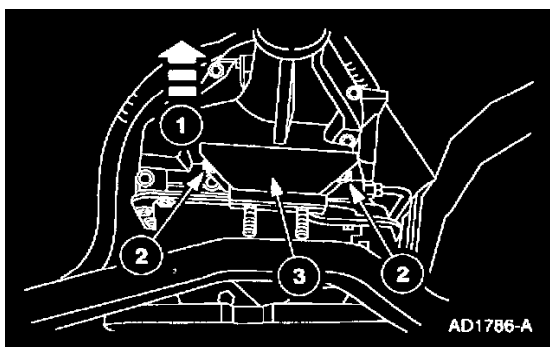
2. Remove the belly pan.
  1. Remove the six retaining bolts.
  2. Remove the belly pan.

All vehicles



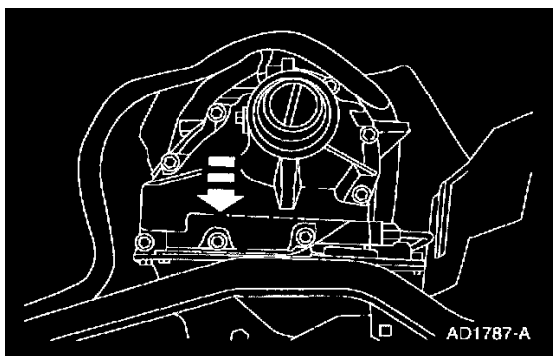
3. Remove the rear transmission mount nuts.

4. **CAUTION:** Be sure not to raise the back of the transmission too high, if it makes contact with the underbody, damage to the TSS and OSS sensors will occur.



Remove the rear transmission mount.

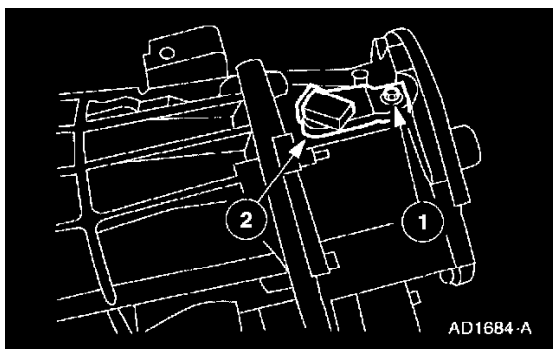
1. Raise the transmission up off the rear crossmember support.
2. Remove the bolts.
3. Remove the rear transmission mount.



5. Lower the transmission to gain access to the Turbine Shaft Speed (TSS) sensor, and the Output Shaft Speed (OSS) sensor.



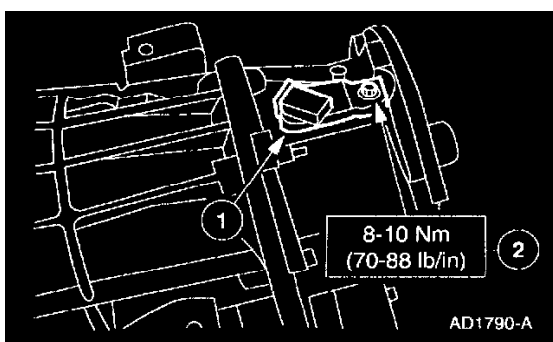
6. Remove the Turbine Shaft Sensor (TSS).
  1. Remove the bolt.
  2. Remove the Turbine Shaft Sensor (TSS).



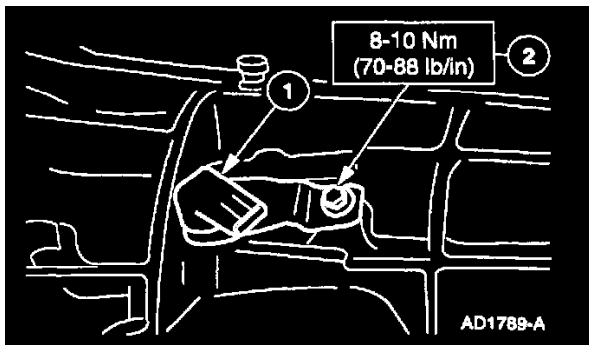
7. Remove the Output Shaft Speed (OSS) sensor.
  1. Remove the bolt.
  2. Remove the Output Shaft Speed (OSS) sensor.

## Installation

All vehicles



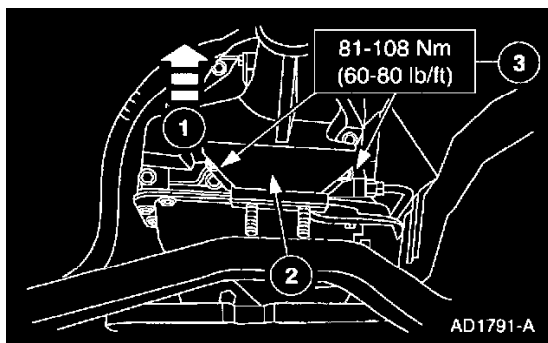
1. Install the Output Shaft Speed (OSS) sensor.
  1. Lubricate and install the Output Shaft Speed (OSS) sensor.
  2. Install the bolt.



2. Install the Turbine Shaft Sensor (TSS).

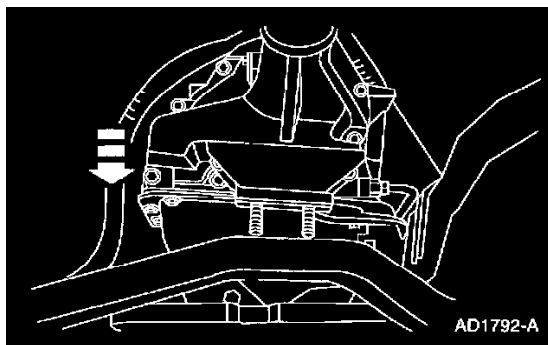
1. Lubricate and install the Turbine Shaft Sensor (TSS).
2. Install the bolt.

3. **CAUTION:** Be sure not to raise the back of the transmission too high, if it makes contact with the underbody, damage to the sensors will occur.

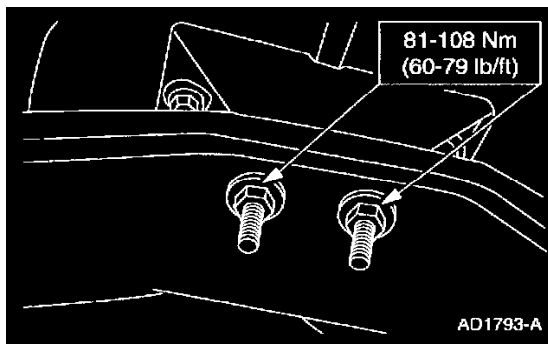


Install the rear transmission mount.

1. Raise the transmission up.
2. Install the rear transmission mount.
3. Install the bolts.

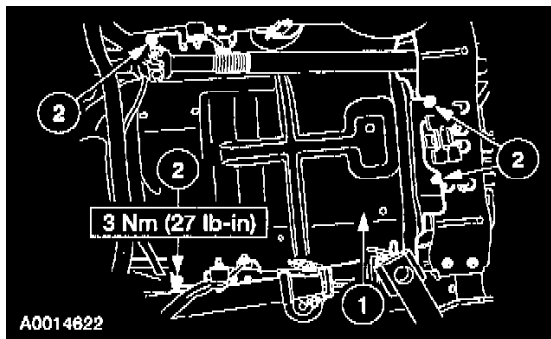


4. Lower the transmission on to the rear crossmember support.



5. Install the rear transmission mount nuts.

Excursion 7.3L, diesel



6. Install the belly pan.
    1. Install the belly pan.
    2. Install the six retaining bolts.
- All vehicles
7. Lower the vehicle.