MAINTENANCE INFORMATION Mi01-05

DATE :	**May 2001**	**SECTION : 07 - Transmission**
SUBJECT :	**MAINTENANCE AND TORQUE OF TRANSMISSION OUTPUT SHAFT YOKE RETAINING BOLT**	

***Important Notice**: This modification is recommended by Prévost Car to increase your vehicle's performance. Note that no reimbursement will be awarded for carrying out this modification.*

APPLICATION

Model	VIN
XL Series Vehicles equipped with B500 Allison Transmission Model Year : 1994 - 2000	2P9L33409R1001820 up to 2PCL33493Y1027045
H3-41, H3-45 coaches equipped with B500 Allison Transmission Model Year : 1994 - 2001	2P9H33495R1001012 up to now
H3-45 VIP Model Year : 1995 - 2001	2P9V33494S1001057 up to now
XLII Series Vehicles equipped with B500 Allison Transmission Model Year : 2000 - 2001	2PCX3349XY1027089 up to now

DESCRIPTION

Output shaft yoke retaining bolt torque must be checked at each preventive maintenance/oil change interval. Proper torque must be maintained to ensure that yoke is secure.

PROCEDURE

***Warning :** Park vehicle safely, apply parking brake, stop engine and set battery master switch(es) to the OFF position prior to working on the vehicle.*

1. The vehicle can be lifted by applying pressure under body jacking points or front and drive axle jacking points. When it is necessary to lift the vehicle, care should be taken to ensure that the pressure is applied only on the specified areas. Equipment for lifting the front of the vehicle must have a combined lifting capacity of at least 20,000 lb (9 100 kg). Equipment for lifting the rear of the vehicle must have a combined lifting capacity of at least 40,000 lb (18 200 kg).
2. Check output shaft yoke retaining bolt(s) torque using a torque wrench. Refer to figure 3 for proper torque.

3. If you cannot reach the retaining bolt with the torque wrench, you must remove the propeller shaft safety guard and then remove propeller shaft.

Note: *Refer to "SPICER UNIVERSAL JOINTS AND DRIVESHAFTS" annexed at the end of section 9 of Maintenance Manual, under headings "Heavy Duty - removal, disassembly, reassembly and installation".*

Note: *Disregard the procedure on "Lock straps" mentioned in the "Spicer Universal Joints and Driveshafts Manual".*

4. Check the torque of output shaft yoke retaining bolt(s). Proper torque depends on the design (one or two bolts). Refer to figure 3.

5. If replacement of two-bolt design hardware or lock tab is necessary, replace prior design head bolts with Allen head service bolt and replace lock tab with Belleville washer. Allen head bolts and Belleville washers **MUST** be used together. Lock tab and Belleville washers **MUST NOT** be used together. Tighten bolts to 30-35 Nm (22-26 lb ft). Refer to figures 1 and 2.

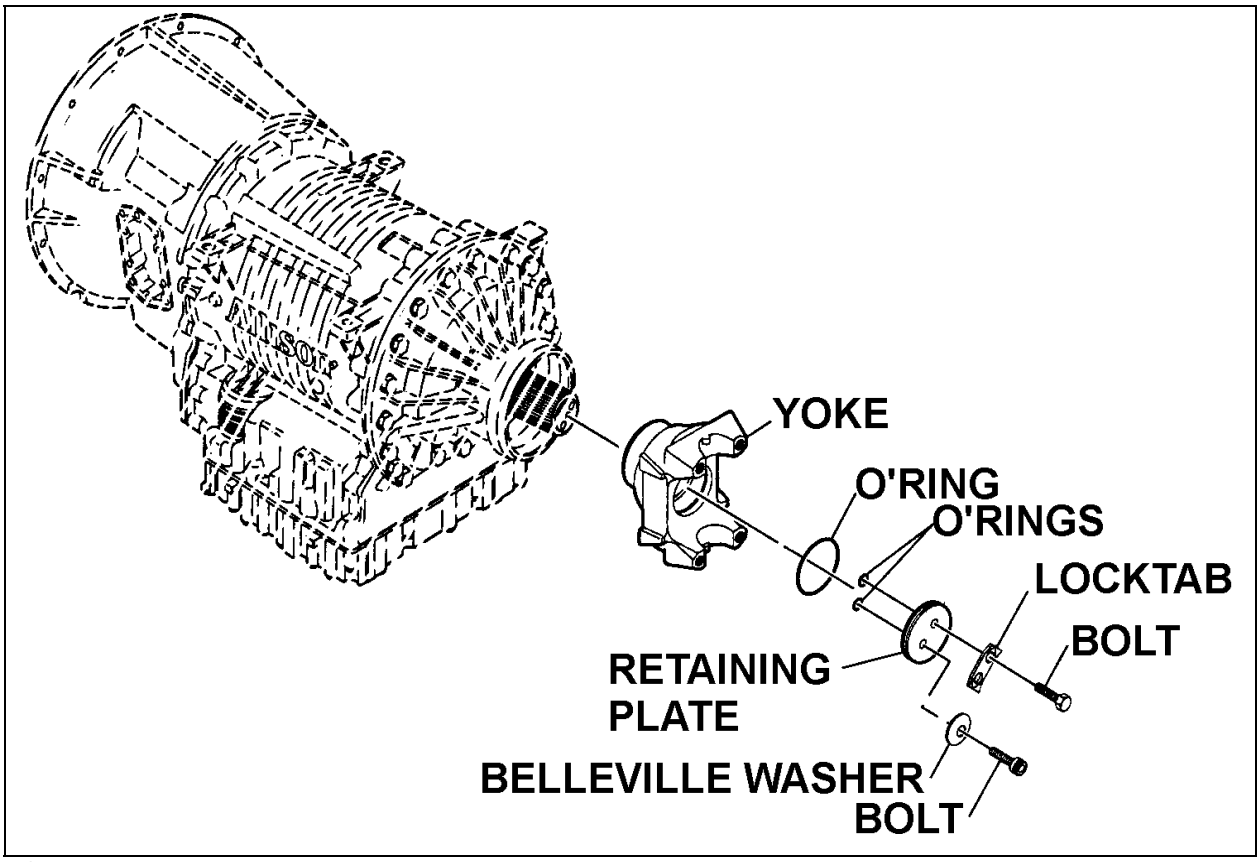

FIGURE 1

Note: *Coned end of Belleville washers **MUST** contact the head of the bolt. Refer to figure 2. Lock tab **MUST NOT** be used with the service bolt and Belleville washer.*

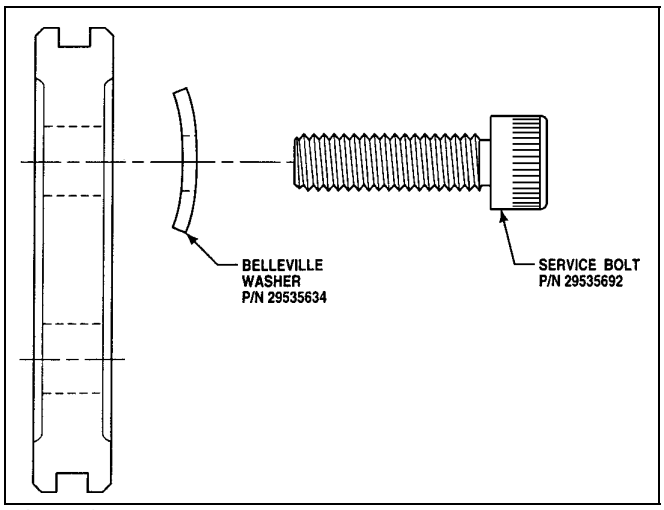

FIGURE 2

6. If during a transmission rebuilt the output shaft needs replacement, you must use the one bolt design hardware. The former design is no longer available. Refer to figure 3.

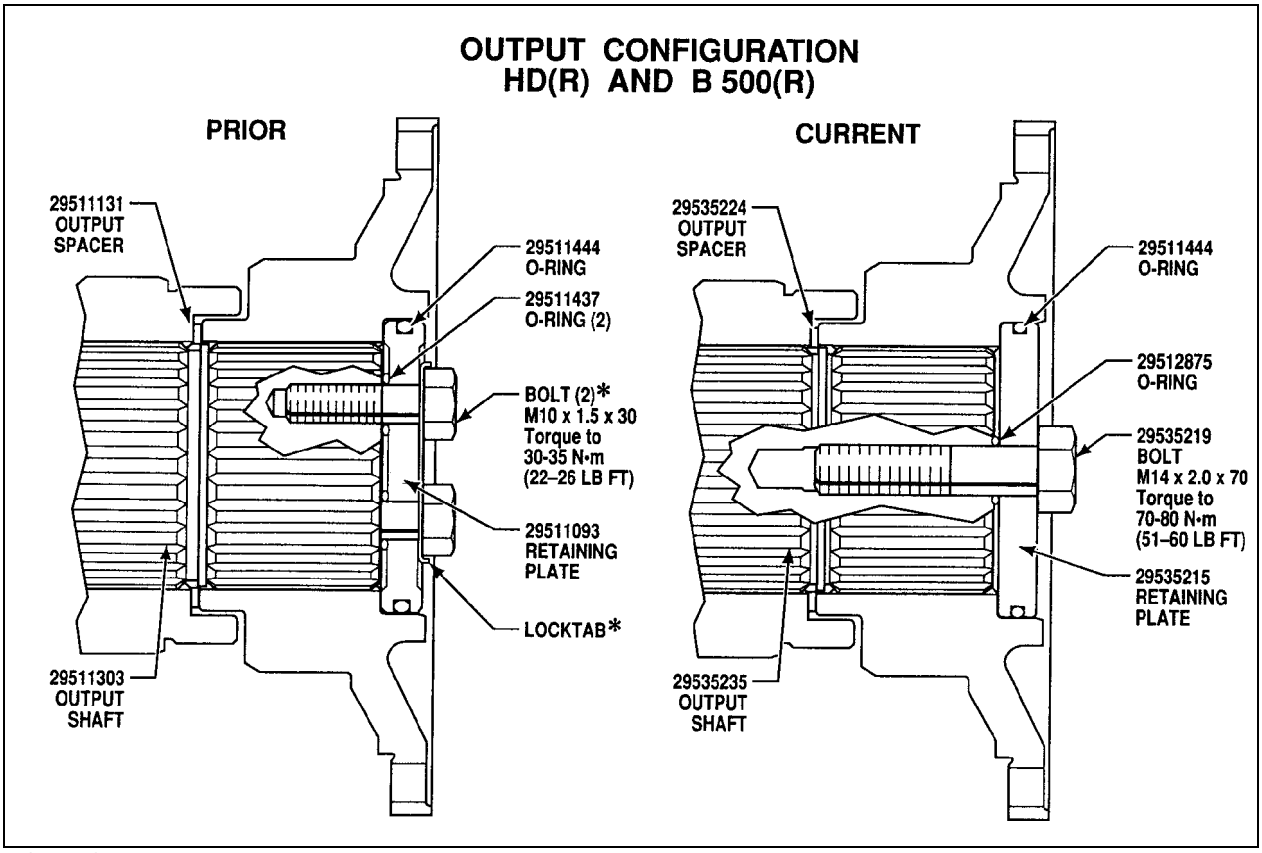

FIGURE 3

Waste disposal :

Discard according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)