

45CLFW: Transmission Yoke Bolt Replacement



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Property Name: LACMTA

Top Bus Number: 95000, 218000, 269000, 286000, 315000



Issue: Bolt of transmission yoke may loose.

Reason / cause: Periodic inspection is required.

Solution: If loose transmission yoke bolt was found replace it per this work instruction.

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Number of Affected Buses: As required

Estimate Repair Time: 30 min / bus

Necessary parts:

M14x2x70 Bolt,	Part # 29535219 ,	1/bus,
O-ring 66.3mm,	Part #: 29502439 ,	1/bus,
O-ring 12.3mm,	Part #: 29512875 ,	1/bus,
DRIVE SHAFT, STRAP/BOLT KIT,	Part #: 416.00.1060.940 ,	1/bus

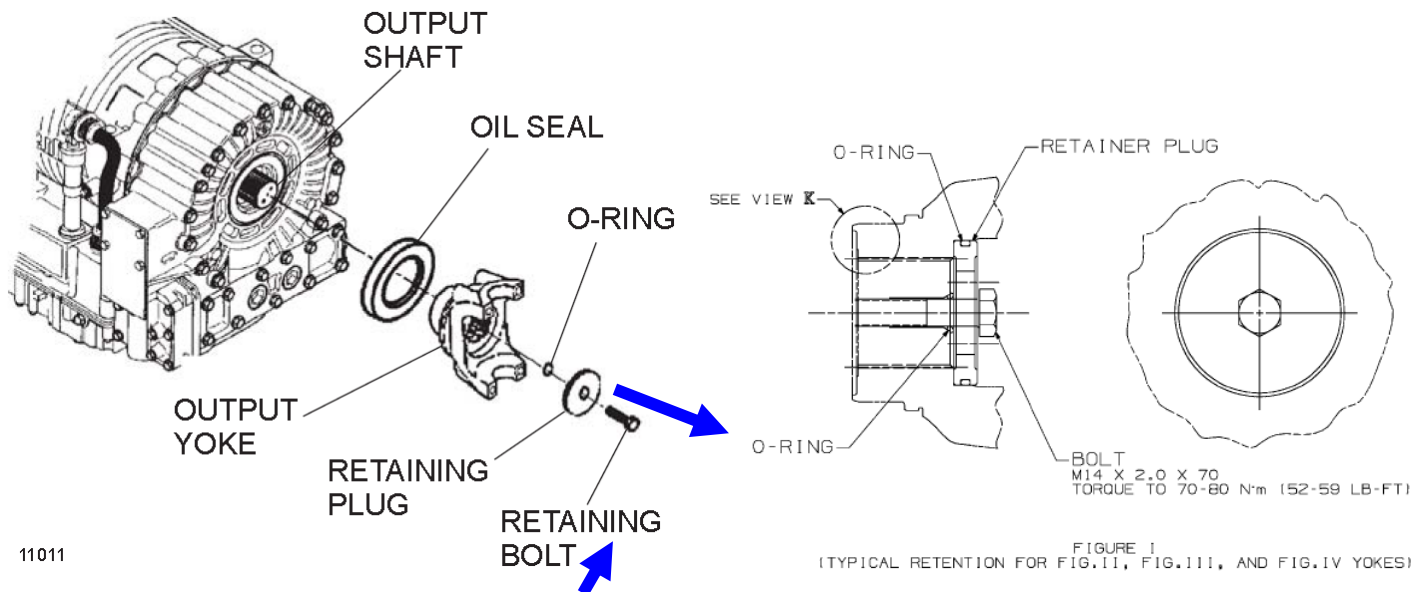
Necessary Tools: 13/16 and 9/16-12 point socket, torque wrench capable for 50-135 lb-ft torque.

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SAFETY PRECAUTIONS MUST BE FOLLOWED ACCORDING TO ACCEPTED INDUSTRY STANDARDS AND LOCAL/PROPERTY REQUIREMENTS.

1. Park the bus on a leveled surface above a service pit and apply the parking brake.
2. Turn off the battery disconnect switch.
3. Place "Do not start" warning note on the steering wheel.
4. Disconnect the drive shaft from the transmission yoke. After the drive shaft straps are removed, secure the bearing cups on the drive shaft by electrical tape or other device.

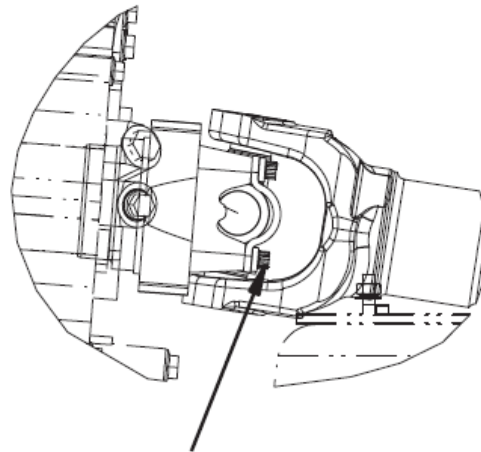


5. Loosen the transmission yoke retaining bolt by using a 13/16 socket and ratchet.
6. Install new bolt with new O-ring.
7. Torque the bolt to 52-59 lb-ft while restraining the yoke.
8. Turn yoke by hand to check for binding, interference, or run out.

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9. Using a piece of rag, clean the bearing cap/yoke mating surface.
10. Reinstall drive shaft to transmission yoke with new bearing straps and retaining bolts. Check to make sure the bearing cups are fully seated in the yoke ears. Torque the bolts evenly to 115-135 lb-ft.



DETAIL "A"

TORQUE BOLTS TO SPEC
STAMPED ON BEARING
CAP (115-135 LBS-FT)

4 (8 PIECES)

11. Turn on the battery disconnect switch.
12. Record Bus Number, Date of repair and Mileage.