

## THOR MOTOR COACH DIESEL EQUIPMENT WINDSHIELD WIPER INSPECTION/REPAIR INSTRUCTIONS

(Rev 6/21/17)

APPLIES TO: PALAZZO MY 2014-2016

- 1.) Visually inspect wiper system arm placement. If arms are loose, please follow the torquing requirements. If after torquing, the wiper system is still not functioning properly, follow the steps below for further troubleshooting and repair. If at any time during the repair process, you notice damage to the system, the system must be replaced.
- 2.) If visually acceptable, remove wiper arms per the following instructions:
  - A. Remove pivot nut for wiper arm and use channellocks or a small 2 jaw puller and attach the "Pulling Fingers" under the bottom side of the wiper arm head and use the center most point of the pivot shaft as the leverage point and remove the wiper arm.
  - B. It is not recommended that the wiper arm be reused after removal. Due to the design of the wiper arm head and the taper tolerance in the wiper arm head will be at maximum tolerance after the initial installation.
- 3.) Remove the nut from pivot shaft using a socket wrench.
- 4.) Remove washers.



- 5.) Verify holes in the fiberglass front cap are not interfering with the pivot shaft. (Pivot shaft must not be bound or under pressure) If pivot shafts appear to be interfering with fiberglass cap remove system entirely and redrill with hole saw to eliminate interference and place hole in proper position for the wiper system (DO NOT OVERDRILL). Pivot shaft only needs 1/16" of clearance to edge of hole.



ACCEPTABLE 

NOT ACCEPTABLE 

- 6.) If pivot shaft alignment does not show any signs of binding with the pivot shaft hole in the front cap, verify that the wiper stringer plate sits flush against the backer laminated into the inside of the front cap. If there is a gap between the face of the stringer plate and the laminated backer, remove system and sand backer with 80 grit sandpaper so that system will sit flush.



BACKER

WIPER STRINGER PLATE

- 7.) Reinstall pivot shaft washers and nuts from steps 3 and 4 on exterior of cap.
- 8.) Tighten pivot rod nut to fiberglass cap per the torque chart below
- 9.) Reinstall driver side wiper arm so that blade is horizontal. Torque wiper arm nut to pivot shaft per the torque chart below.
- 10.) Reinstall passenger side wiper arm so that blade is horizontal. Torque wiper arm nut to pivot shaft per the torque chart below.
- 11.) Test windshield wiper system at all speeds with a water hose providing ample amounts of water. Wiper blades should not bind nor touch the windshield gasket at any point.
- 12.) If wipers have too much travel and touch gasket replace pivot shaft arm.

| TORQUE (FT-LBS) |                        |                             |
|-----------------|------------------------|-----------------------------|
|                 | WIPER ARM TO PIVOT ROD | PIVOT ROD TO FIBERGLASS CAP |
| DIESEL EQPT     | 45                     | 25                          |