

GT40 Service Bulletin: 0702GT Wiper Gear Installation

GT40's under build number 30 may have a wiper gear with a shaft that is too short. This could lead to the wiper arm hub sliding off the shaft.

To determine if you have a wiper gear that needs replaced, the end of the shaft must be inspected.

Checking The Wiper Gear Shaft

To inspect the shaft, the wiper arm and hub must be removed.

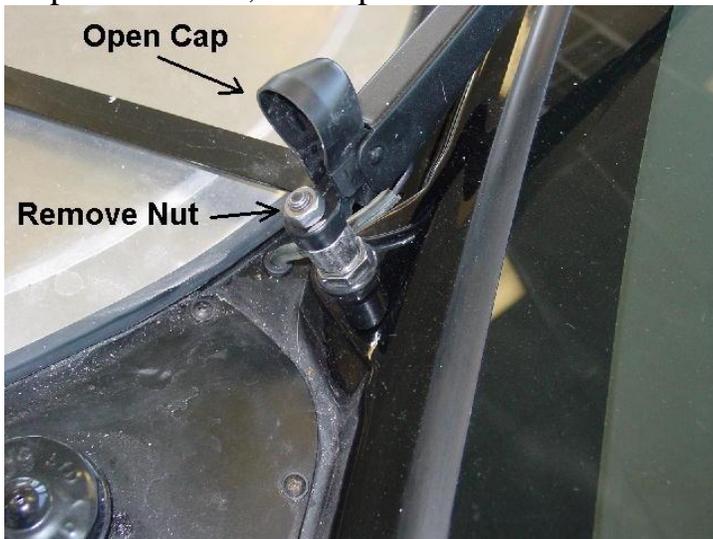


Fig. 1



Fig. 2

1. Open wiper arm cap and remove nut. *Fig. 1*
2. With arm hinged up, wiggle it back and forth to unseat the taper at hub. *Fig. 2*
3. Remove the washer hose and remove the arm



Fig. 3

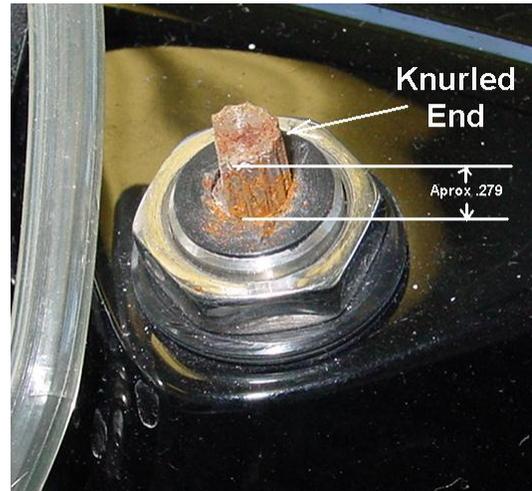


Fig. 4

4. Loosen the Allen set screw and pull the hub off of the shaft. *Fig. 3*
5. If the shaft is knurled and extends approximately .279" from the base, it will need to be replaced. *Fig. 4* If the shaft is not knurled and extends approximately .452" from the base, there is no need to replace the shaft.

Wiper Gear Replacement

After the need for replacement is verified, remove the front clamshell to continue.



Fig.5



Fig.6

1. Remove the nine screws on the cover plate shown in fig. 5. Pry the cover up from the cowl.
2. Peek under the cover and remove the clamps holding the Fluid bottles to the cover. *Fig. 6*

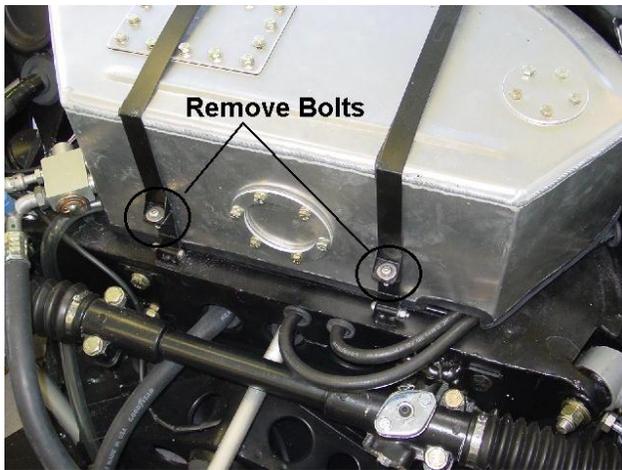


Fig.7

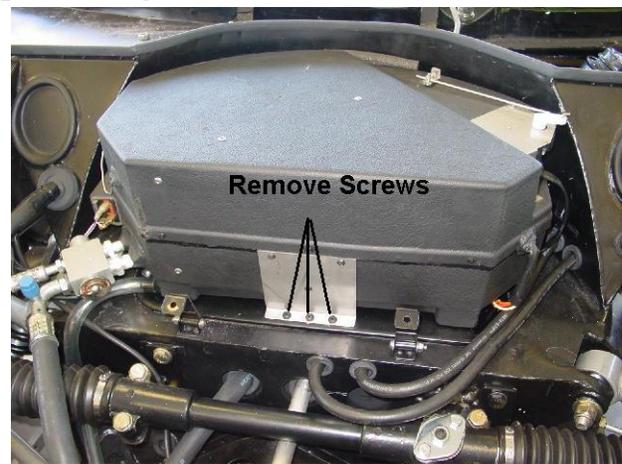


Fig. 8

3. Remove the bolts that hold the A/C cover straps in place. *Fig.7* Swing the brackets out of the way and lift the cover off.
4. Remove the three screws that retain the A/C evaporator box. *Fig. 8*



Fig.9

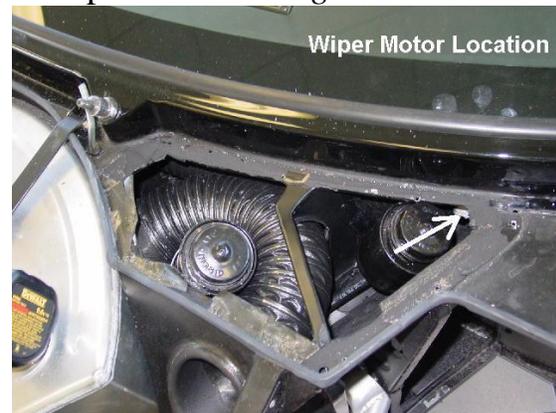


Fig. 10

5. Lift the evaporator box away from the cowl. Remove the vent duct that may be attached with a screw. *Fig. 9* Swing the box over to one side. The only thing that needs to be detached is the vent duct shown in fig. 9.
6. Locate the wiper motor under the cowl, fig. 10. Remove the nut that attaches the cable tube to the motor. *Fig. 11*



Fig. 11



Fig.12

7. Remove the nut that retains the wiper transmission. *Fig. 12*



Fig. 13

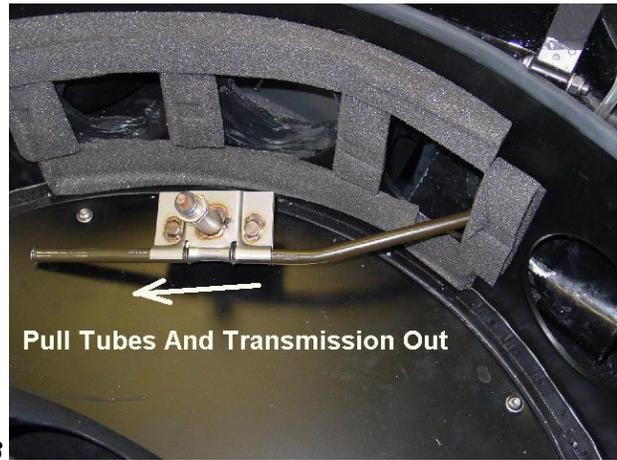


Fig. 14

8. Drop the tube and transmission assembly down out of the hole in the cowl. The end of the tube should protrude through the opening as in fig. 13.

9. Pull the assembly through the opening. *Fig.14*

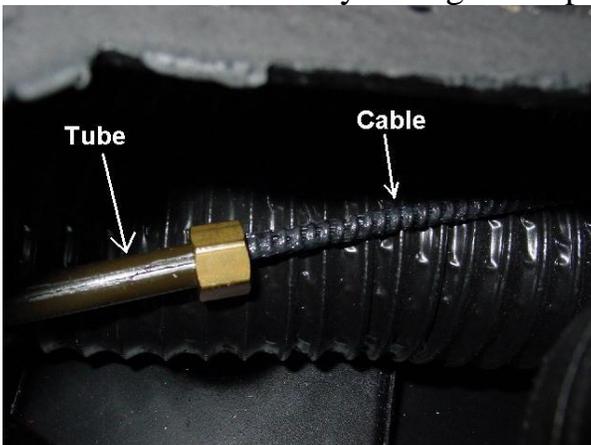


Fig.15

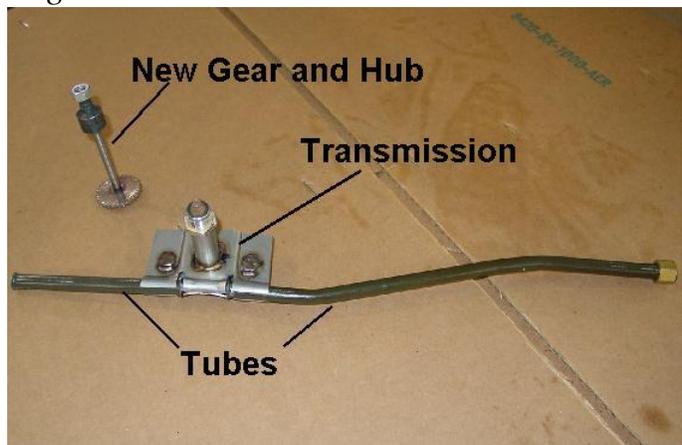


Fig. 16

10. The cable that runs through the tube will be left attached to the wiper motor. *Fig. 15*

11. The tube and transmission assembly can now be taken to the workbench, to install the gear. *Fig. 16*

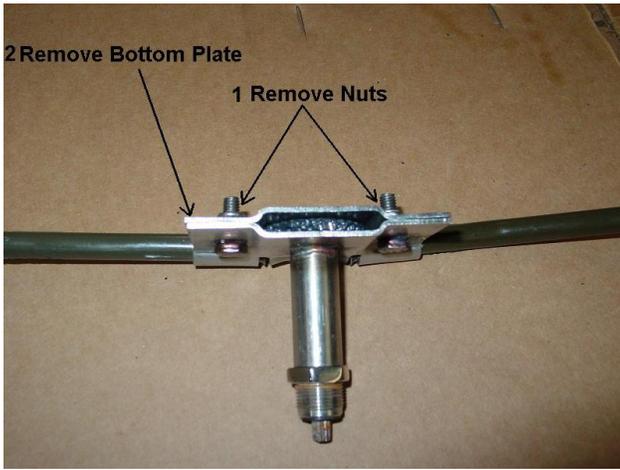


Fig. 17

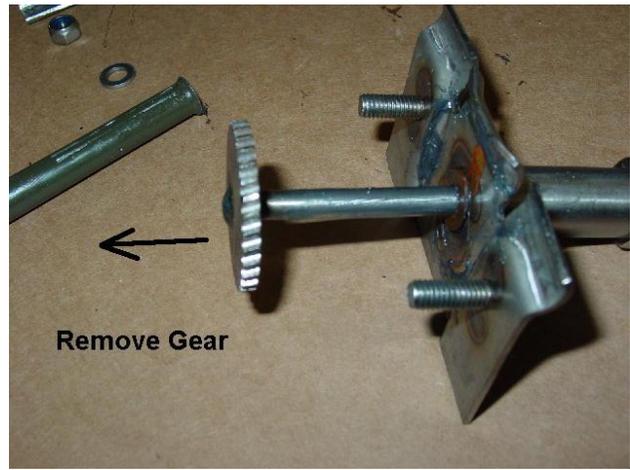


Fig. 18

12. Remove the nuts that hold the bottom plate on. *Fig. 17* Remove the bottom plate.

13. Slide the old gear out of the transmission. *Fig. 18* It may be necessary to grind the knurling off the end of the shaft to aid in removal.



Fig.19



Fig.20

14. Grease the shaft of the new gear and install it into the housing. Grease the gear well with chassis lube. *Fig. 19* Reinstall the bottom plate and tubes. *Fig. 20*

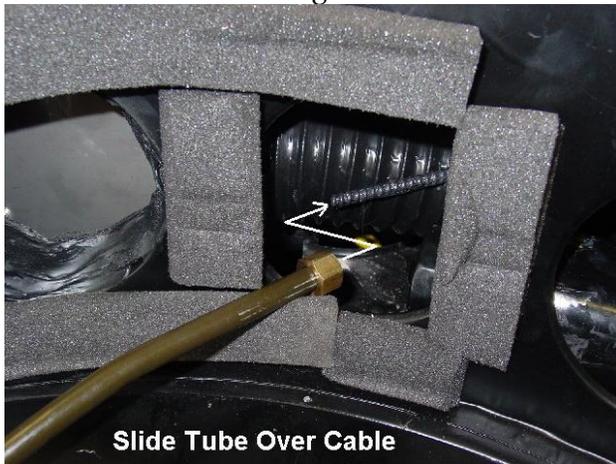


Fig. 21

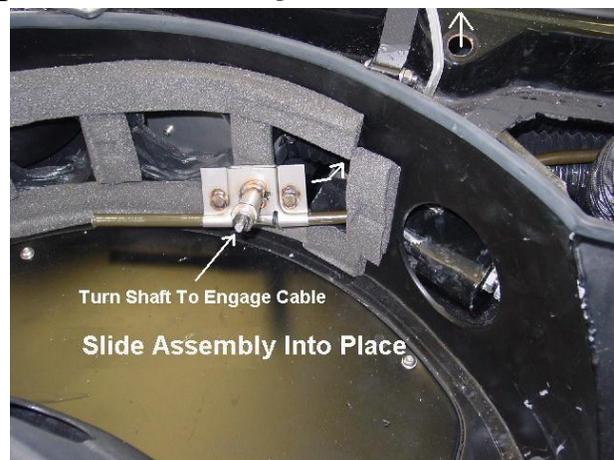


Fig. 22

15. Slide the long tube over the cable, and then slide the assembly into place. *Fig. 21*

16. Once the cable contacts the gear, turn the shaft to engage the cable. *Fig. 22* Continue to turn the shaft until the long tube seats against the motor housing. (It may be necessary to install the hub temporarily to aid in turning the shaft)

17. Slide the transmission up into the hole in the cowl. Start the nut on the wiper motor before the nut on the transmission is installed.

18. After the nut at the motor is tightened, install the transmission nut and tighten.

19. Reinstall the remaining part opposite of the disassembly.

Note: Use black RTV to seal the cover plate if necessary.

Note: Be sure to operate the motor and let it return to park before installing the wiper arm.

This is a Superformance authorized Technical Service Tip.

The modifications or adjustments shown in this service tip have been performed and tested in our service facility. This must be done exactly as stated in these instructions and must be done by a qualified individual. If you have any questions or are not sure of the results please call us and ask.

We cannot control the results of the shown modification or adjustments and therefore cannot be held liable for the results.