

BRT: Support Bracket Addition between Wiper Motor

Mounting and Idler Bracket



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Property name and Top bus number: 42 and 60BRT buses

Issue: Under certain operating conditions, the wiper blades may over travel and overlap A-post windshield rubber at highway speeds when the wipers are on high.

Reason/ cause: There are multiple reasons: Worn linkage rod end bearings and/or incorrect linkage adjustment which may also cause the wiper motor mounting bracket to flex.

Solution: Install support bracket per this work instruction. Adjustment and replacement of worn linkage components should be performed during regularly scheduled maintenance intervals.

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Number of buses affected: as required

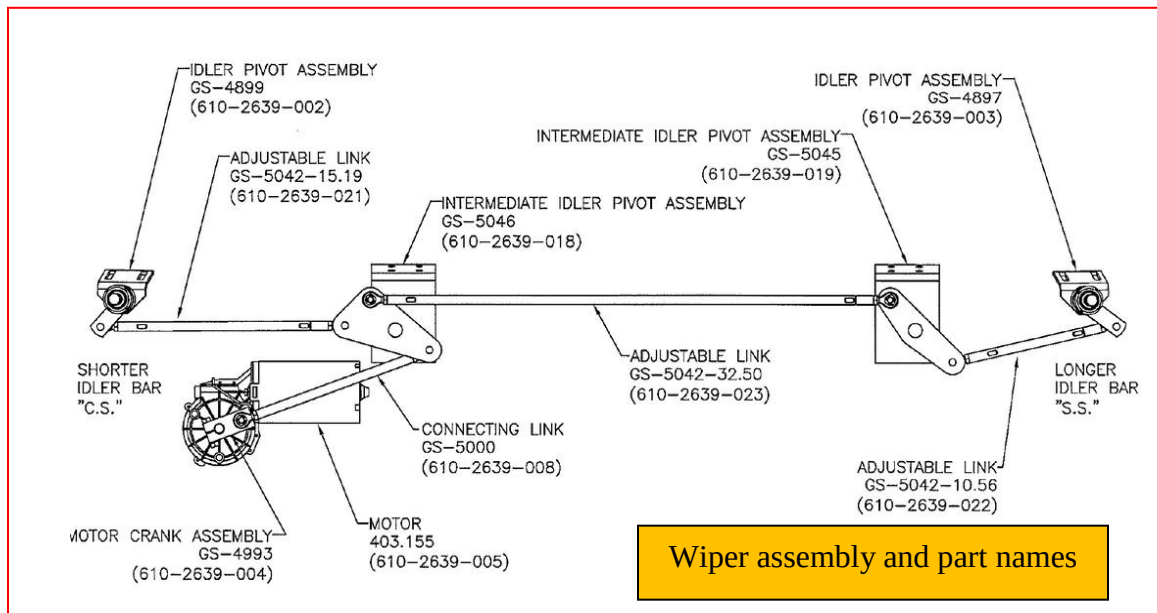
Estimate repair hours/bus: 1 hour.

Engineering Documentation:

Necessary parts:

Item	Description	PN	Qty
1	Bracket, Support, Wiper	611-2639-003	as required
2	Nut, Hex, Nylock	700-8602-022	as required
3	Bolt, 5/16-18X1	220518088	as required
4	Loctite 246	5033332	as required

Necessary tools: usual hand tools, cordless drill, 3/16 drill bit, 5/16 drill bit.



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1. Park the bus on a flat surface and apply the parking brake. Turn engine off.
2. Turn off main battery disconnect switch or switches.
3. Open front hood to access adjustments for the wiper system.

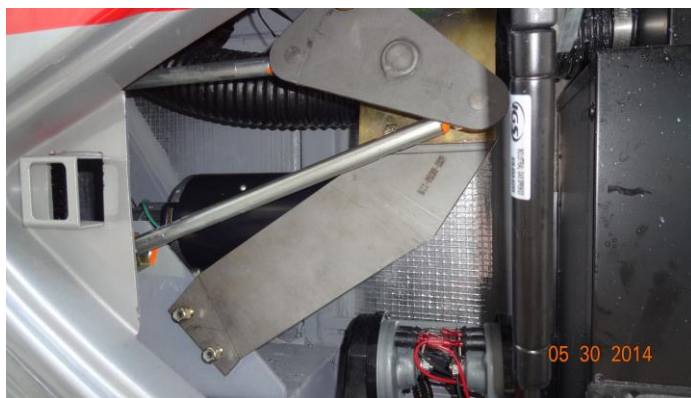
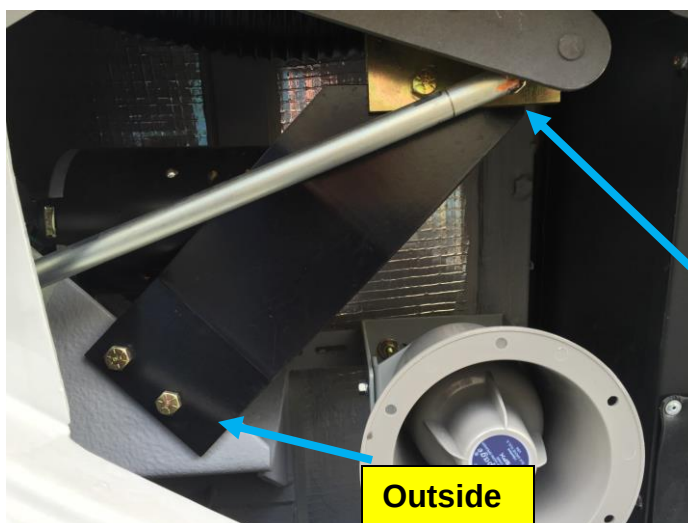


4. Line up support bracket PN 611-2639-003 to mark pilot holes. Drill holes with a 3/16 drill bit to start with, then use a 5/16 drill bit for the final holes. Mount support bracket using 5/16 hardware as listed above. Ensure that the bottom of the support bracket is mounted outside of the wiper mount and the top of the bracket mounted inside the intermediate bracket as photos shown below.

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611-2639-003



5. Remove all tools and unused parts from work area.
6. Close frond hood and turn main battery disconnect switch(es) on.
7. Record bus number, date of inspection/repair, mileage and the name of the technician(s) who completed the work.