

## ATTACHMENT 1

### Wiper Arm Inspection and Replacement Procedures

#### Inspection

There are two versions of the Sprague wiper arm that have the same part number (53-47677V002). To identify if the version installed on your bus, an inspection of each front windshield wiper arm will be required for all potentially affected vehicles.

To inspect a Wiper arm:

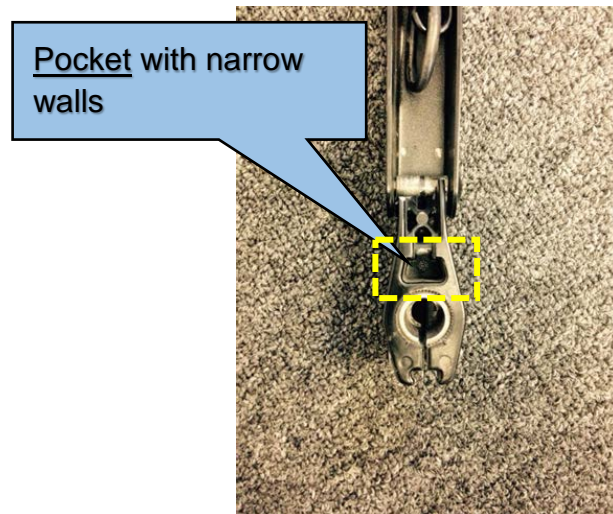
1. Pull the wiper blade away from the windshield into the off-glass position.
2. Inspect the wiper arm mounting casting as shown below, noting the construction of the mounting casting.
3. The wiper arms being recalled (*Version 1*) can be identified by the pocket in the center of the arm and the thin wall adjacent to the pocket. See picture below.
4. Please record the number of Version 1 wiper arms identified in your inspections and submit a request for this quantity of free recall replacement parts from Gillig.

Upon reception of the *Version 2* replacement parts, please replace all *Version 1* wiper arms per the instructions in the next section.

#### Version Identification – Wiper Arm Mounting Castings

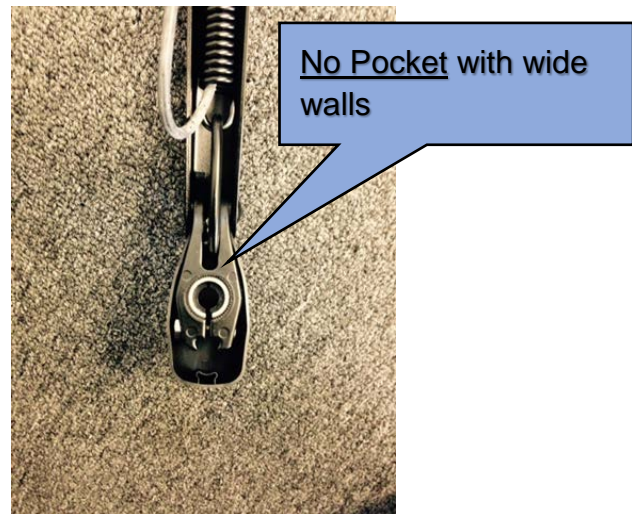
53-47677V002 Version 1

**Recalled**



53-47677V002 Version 2

**Not Recalled**



### Wiper Arm removal and replacement

1. Before removing wiper arm assembly assure that the arms are in the parked position. See pictures below.
2. If unsure of the position, turn the wipers on, run through two cycles and shut the wipers off. They should now be in the parked position.
3. Loosen the mounting casting bolt and remove the wiper arm assembly.
4. Install replacement wiper in the parked position as shown below.
  - a. Install wiper arm on shaft, being careful to orient wiper arm assembly to the parked position
  - b. Tighten the wiper arm assembly mounting bolt to 90-100 in. lbs. torque.
  - c. Turn on wipers to assure proper orientation of assembly and final check torque on mounting bolt.

