

# Wheel Chair - Ramp Support Bolts



**Prepared By:** John Gunter  
Sr. Field Service Rep.  
614-256-6046

**Approved By:** Dan Allen – Chief Engineer

**Property and Top Bus Number:** DART: 304500



## Wheel Chair - Ramp Support Bolts



**Issue:** A wheel chair ramp bolt failed.

**Reason/ cause:** The bolts installed were incorrect (was stainless steel type).

**Solution:** Replace the bolts with Grade 8 type.

**Number of affected buses:** 39001-39050

**Estimate repair hours/bus:** 30 minutes

**Necessary parts:**  
Bolt hex 3/8x1.50 gr8 Part #: 220616128 6/bus

### Necessary Tools:

9/16 wrench and socket  
Torque wrench

## Wheel Chair - Ramp Support Bolts



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

1. Park the bus and apply the parking brake.
2. Turn off main battery disconnect switch(es).
3. Remove the 6 S/S bolts and replace with Grade 8 bolts. Torque to 30 lb-ft.



S/S bolt to  
be removed  
in 6 places

## Wheel Chair - Ramp Support Bolts



GR 8 bolt  
to be  
installed in  
6 places

4. Check for completeness of work.
5. Remove all tools from working area.
6. Turn the main battery disconnect switch(es) on.