

## **Technical Service Note 32-10**

**SUBJECT:** Airliner Rear Suspension Clamp Group.

**PRODUCTS:** Cascadia and Western Star 5700 vehicles equipped with an Airliner 40K rear suspension and DA-RT-40.0 rear axle.

**PROBLEM / SYMPTOMS:** Due to an error in the clamp group bill of material incorrect ubolt top pads and lower retainers were specified.

### **Production Action:**

The incorrect bill of material has been discontinued and replaced with a correct bill of material. Reference EWR P48865+34.

### **Field Action:**

The incorrect Airliner Rear Suspension clamp group top pads and lower retainers will be removed and replaced with the correct parts. The ubolts, high nuts and washers will be replaced.

Reference Illustration 1.

### **Work Instruction:**

- 1) Park the vehicle on a level surface, shut down the engine, and set the parking brake. Chock the tires.
- 2) With the suspension at the normal ride height use frame jacks to support the frame. Dump the air from the air system.

**Note:** Complete the work on one clamp group at a time.

- 3) Remove and discard the existing ubolts, high nuts and washers.
- 4) On the forward drive axle keep and reuse the existing top pad and replace the lower retainer with P/N 16-20793-000.  
Install the lower retainer with the arrow pointing to the rear.
- 5) On the rear drive axle remove and replace the top pad with P/N 16-14786-000.  
Remove and replace the lower retainer with P/N 16-20793-000.
- 6) Install new ubolts, washers and high nuts. Tighten per Fig 1.

7) Complete an all axle alignment.

**REPLACEMENT PARTS:**

| <b><u>Part Number:</u></b> | <b><u>Description:</u></b> | <b><u>Qty:</u></b> |
|----------------------------|----------------------------|--------------------|
| 16-20793-000               | RTNR-U BOLT,A/L,7/8"       | 4                  |
| 16-14786-000               | PAD-U BOLT,A/LMD,0.0D      | 2                  |
| 11-23853-000               | U BOLT,7/8-14,365,154      | 8                  |
| 23-00461-007               | NUT-HEX,HI,7/8-14          | 16                 |
| 23-09114-005               | WASHER-HRDN,0.94X1.75      | 16                 |

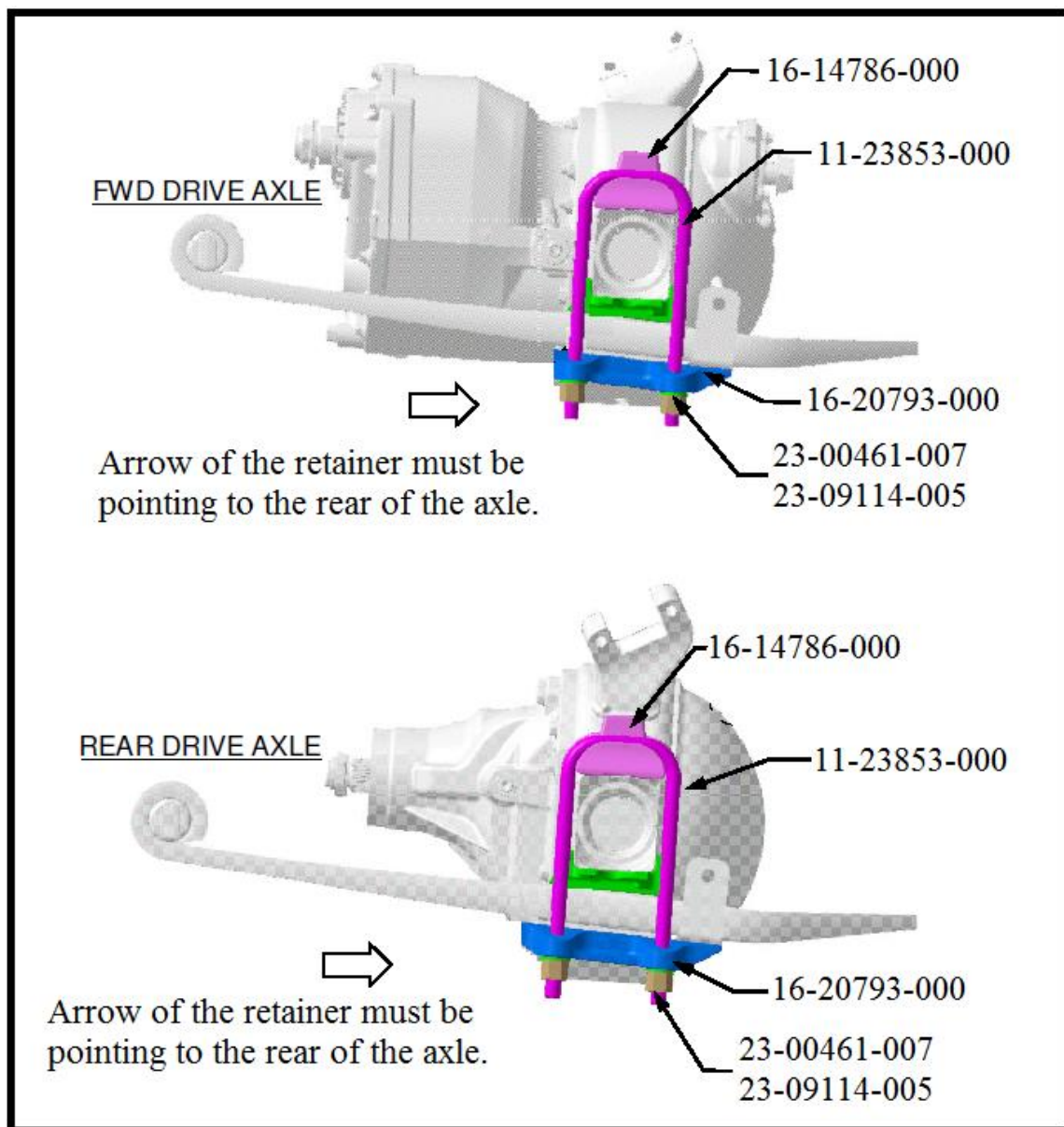


Illustration 1.

**Axle U-Bolt High Nuts**  
Tighten in a diagonal pattern as shown in **Fig. 1**.

|        |                            |
|--------|----------------------------|
| 7/8–14 | Stage 1: Hand-tighten      |
|        | Stage 2: 60 ft-lbs         |
|        | Stage 3: 200 ft-lbs        |
|        | Stage 4: 420 to 500 ft-lbs |

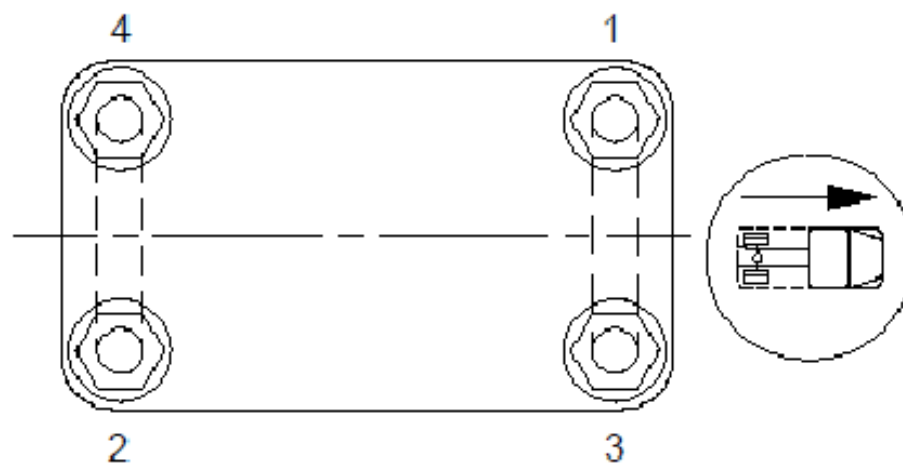


**Fig. 1, Tightening Pattern for U-Bolt High Nuts**

Reference Documentation: FSPR: 28190