

Suspension models that use shear-type pivot bolt:

RAR-260 (All Models)

RAR-266 (All Models)

RAR-243 (All Models)

RAR-200 (All Models)

Primary axle trailer suspension

RCA-215 (All models)

RUL-245 (Narrow Bushing Only)

Auxiliary axle suspension

RAR-254 Single Point trailer suspension

Shear-Type Pivot Bolt Installation

Ridewell suspensions are shipped with minimal torque applied to the main pivot fasteners. Do not apply final torque until suspension has been installed and axle alignment is completed.

Shear-Type Pivot Bolt Procedure

1. Complete suspension installation and axle alignment procedures.
2. Make sure alignment peg on adjuster plate is placed in hole on frame hanger and pivot hardware is snug against hanger. Place the box-end of a wrench on the pivot nut to keep the nut from turning.
3. Tighten pivot bolt with a 1" drive impact wrench and E-20 Torx® socket (Ridewell tool #6100054) until the Torx® head is sheared off.

Refer to the suspension Installation and Service Manual (ISM) or Engineering Drawing for axle alignment procedure and pivot bushing replacement components and procedures (Figure 1).

CAUTION Do not lubricate pivot bolt/nut. Failure to torque pivot hardware to specifications can result in suspension failure and void the warranty.

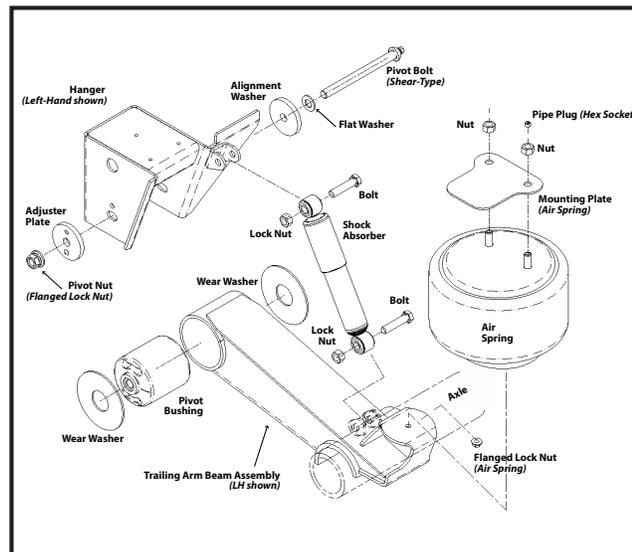
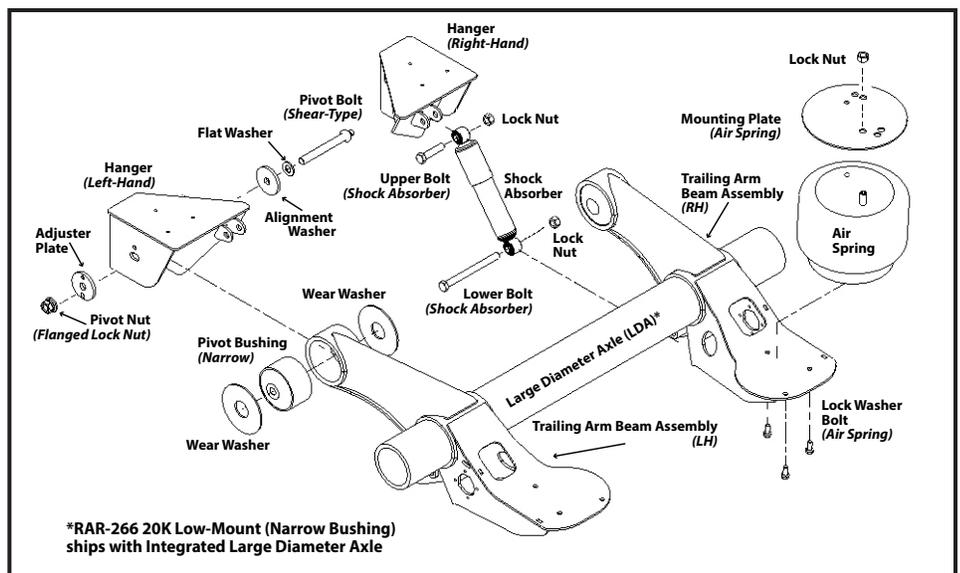


Figure 1.
RAR-260
25K Overslung
RAR-266
20K Low-Mount

The pivot nut and adjuster plate are installed in the outboard position.



Suspension models that use shear-type pivot bolt:

RAR-260(All Models)

RAR-266 (All Models)

RAR-243 (All Models)

RAR-200 (All Models)

Hanger mount trailer suspension

RCA-215 (All models)

RUL-245 (Narrow Bushing Only)

Auxiliary axle suspension

RAR-254 Single Point Trailer suspension

Shear-Type Pivot Bolt Installation– 215/245 Auxiliary Axle Suspension

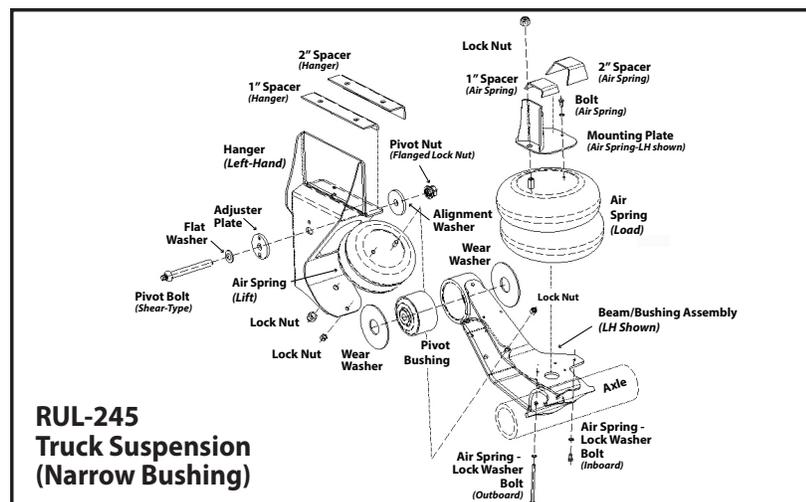
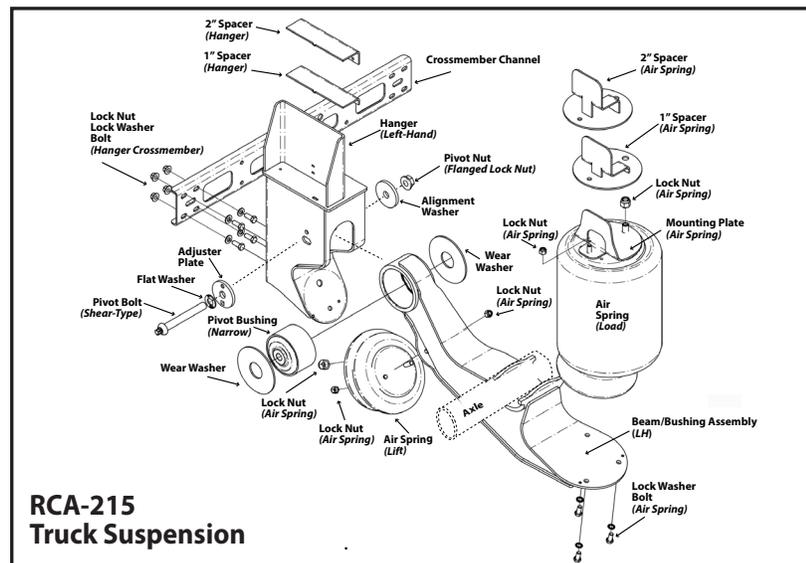
Ridewell suspensions are shipped with minimal torque applied to the main pivot fasteners. Do not apply final torque until suspension has been installed and axle alignment is completed.

Shear-Type Pivot Bolt Procedure

1. Complete suspension installation and axle alignment procedures.
2. Make sure alignment peg on adjuster plate is placed in hole on frame hanger and pivot hardware is snug against hanger. Place the box-end of a wrench on the pivot nut to keep the nut from turning.
3. Tighten pivot bolt with a 1" drive impact wrench and E-20 Torx® socket (Ridewell tool #6100054) until the Torx® head is sheared off.

Refer to the suspension Installation and Service Manual (ISM) or Engineering Drawing for axle alignment procedure and pivot bushing replacement components and procedures (Figure 2).

CAUTION Do not lubricate pivot bolt/nut. Failure to torque pivot hardware to specifications can result in suspension failure and void the warranty.



Notes and Cautions

The tool instructions uses two types of service notes, defined as:

“NOTE”: Provides additional instructions or procedures to complete tasks and make sure that the suspension functions properly.

CAUTION Indicates a hazardous situation or unsafe practice that, if not avoided, could result in equipment damage and serious injury.

Figure 2. The pivot bolt, washer and adjuster plate are installed in the outboard position.