



NHTSA Id: 13V-352

11/12/2013

Transport Canada Id: TC13-278

SUBJECT: Spartan Motors Chassis, Inc. has determined a defect relating to the hydraulic ladder rack may exist in certain vehicles.

CONDITION: The hydraulic ladder rack may fall without warning.

APPLIES TO: This bulletin applies to Star Series model fire apparatus manufactured between February 1, 2007 and May 31, 2013.

CORRECTION: Install fasteners on pin ear to secure the pins within the ladder rack assembly, preventing accidental release of pin, thus preventing failure.

LABOR ALLOCATION: 1.0 Hrs

PARTS NEEDED:

<u>QTY</u>	<u>Part Number</u>	<u>Description</u>
4 ea	I704C0048SSMG00	1/4-20 x 1-1/2" long bolt
4 ea	70860	1/4-20 nylok nut
15 ea	1171013	1/4"ID x 5/8" SST flat washer
4 ea	1171213	1/4"ID x 1-1/4" fender washer

GENERAL INSTRUCTIONS:

Please thoroughly review entire work procedure before starting work. If there are questions and/or concerns with steps defined in this procedure, contact Spartan Motors Chassis, Inc. Customer & Product Support Group.

All applicable industry safety standards must be followed when performing work identified in this procedure.

Technical Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of product specific nature in conjunction with industry standards. Professional Technicians are appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.

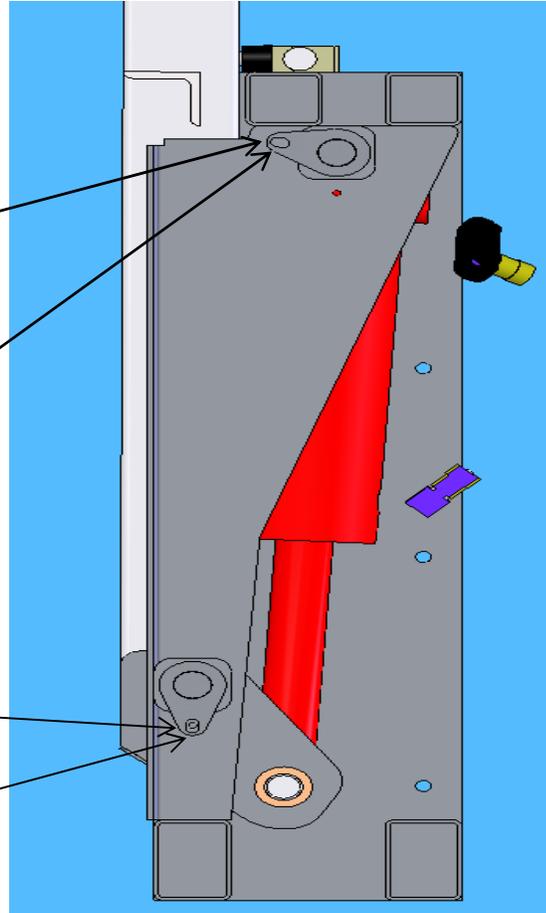


Rotate this pin towards the outside of the truck and locate the center of the hole 5/8" down from the bottom of the upper tube and follow the steps documented down below for installing a longer bolt. **Note:** if your ladder rack is equipped with a second lift cylinder the same process steps will also need to be done to that pin.

Place the 1/4"ID x 5/8" flat washers here.

Leave this pin orientated as it is and follow the steps shown down below for installing a longer bolt. The same process will also need to be done to the pin on the opposite side.

Place the 1/4"ID x 5/8" flat washers here.



STEP-BY-STEP INSTRUCTIONS:

1. Remove the retainer bolt from the pivot pin weldment.
2. Rotate the pivot pin weldment as shown in the model up above and mark the new retainer bolt hole location 5/8" down from the bottom of the upper tube. The two lower pin weldments do not need to be rotated, but rather secured in place.
3. Drill a 3/16" hole and tap for a 1/4" bolt.
4. Install a 1/4-20 x 1-1/2" long bolt and install a 1/4"ID x 1-1/4" fender washer and a 1/4-20 nylok nut on the backside. You will need to place four 1/4" ID x 5/8" flat washers provided to go between the ear of the pivot pin weldment and frame surface to prevent bending of the cylinder pin weldment ear when tightened down. A fifth washer needs to be placed under the bolt head also.

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