

Product Bulletin #: 2086
Model: 20AR/RS3162, DockMaster II & 2.1
Topic: Hanger Repair Kit
Effective Date: May 6, 2009
ECR #: 16249

The DockMaster hanger repair kit (part # K709757) is designed to be used when extensive wear has occurred in the hanger side plates due to the vehicle being operated with a loose pivot connection. It is an alternative to replacing the subframe, but eliminates the ability to realign the axles due to the repair washer being welded in place.

1. Remove trailing beam from hanger.
2. Lay the template on the outboard side of the hanger, and trace the 2" x 2.75" oval hole onto the hanger side plate. (Template can be found on the reverse side of this document.)
3. Cut out the oval hole. Cutting can be done by careful use of a torch or by grinding.
4. Repeat the tracing and cutting of the oval hole on the inboard side plate.
5. Install a new plastic beam spacer on each side of the trailing beam bushing, and slide the trailing beam into the hanger.
6. Slide a new plastic pivot shaft cover onto a steel pivot shaft tube.
7. Slide the pivot shaft tube through the hanger side plate, into the trailing beam bushing. The pivot shaft tube must protrude approximately 1/4" out of the inboard and outboard hanger side plates.
8. Slide a hanger repair washer onto each end of the pivot shaft tube so that the boss on the repair washer fits into the hanger and contacts the bushing tube end, and the pivot shaft tube is recessed inside each repair washer.
9. Install a flat washer on a new pivot bolt, and slide the pivot bolt into the pivot shaft tube from the inboard side.
10. Install a disc spring washer onto the bolt with the convex side (with green dot) out.
11. Install the pivot bolt lock nut. Run the nut down to the washer, but do NOT tighten. The repair washer must be free to rotate by hand.
12. Align the axle to the trailer kingpin, whether the axle is front or rear, within $\pm 1/8"$. It will be necessary to pry the tires at the ground to move the axle since the Rey Align is no longer used.
13. Tighten the pivot nut to 400-425 ft-lbs. Or 700-750 ft-lbs if the head of the bolt is being torqued.
14. Weld the repair washers, inboard and outboard, to the hanger.
15. Align the other axle to the repaired axle within $\pm 1/16"$. Tighten its pivot nut in the same manner.

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