

RAFNA TECHNICAL SERVICE BULLETIN No. 158
Rafna R-450 and R-450OT Mounting Box Interference on
2004 Ford F-450/550 Vehicles

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This Technical Service Bulletin is applicable to 2004 Ford F-450/550 vehicles equipped with Rafna's model R-450 or R-450OT railgear.

During installation, it may be found that there is interference between the Rafna railgear mounting box (R-4804D/P or R-4872D/P) and the vehicle's rear spring hanger. This interference is caused by a change in the shape of the spring hanger on some vehicles. The affected vehicles are equipped with a stamped spring hanger; vehicles equipped with a cast spring hanger should not experience any interference.

For vehicles on which the spring hangers are interfering with the railgear mounting boxes, the railgear mounting boxes must be modified as follows (see attached figure for dimensions):

1. Trim the rear edge of the front section of the railgear mounting box as shown;
2. Install the railgear mounting box as outlined in the installation manual;
3. Drill an extra hole through each railgear mounting box and chassis;
4. Fasten an extra $\frac{3}{4}$ " bolt along with two washers and a nylock nut in each of the two newly-drilled holes; and
5. Torque the $\frac{3}{4}$ " fasteners to 175 ft-lbs.

Extra parts required for this modification are:

1. Two $\frac{3}{4}$ " UNC Gr.8 bolts x 3" long;
2. Four $\frac{3}{4}$ " Gr. 8 washers; and
3. Two $\frac{3}{4}$ " UNC Gr. 8 nylock nuts.

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Figure 1. Railgear Mounting Box Modifications

