

RAFNA TECHNICAL SERVICE BULLETIN No. 151

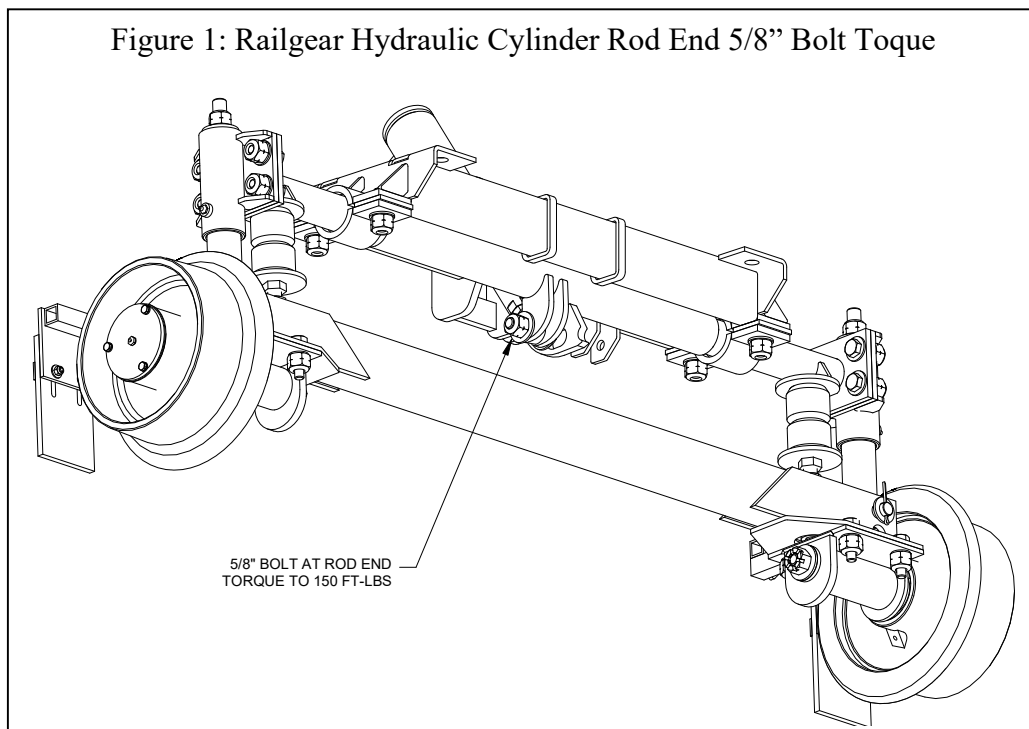
R-290 Railgear Bolt Torques

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As mentioned in the Rafna Railgear Installation Pre-Delivery Check List, all bolts on the railgear equipment, including those installed by the installer and those installed by Rafna, must be checked and re-torqued immediately following the railgear installation.

It is of particular importance that the installer be aware that the 5/8" bolt which fastens the railgear hydraulic cylinder rod end to the railgear cross frame (refer to figure 1) must be torqued to 150 ft-lbs. On previous railgear designs (eg. R-250HD), this bolt has been only snug tight.

Please refer to figure 2 and table 1 below as well as the Routine Railgear Service section of the R-290 Operating, Service, and Parts manual for standard and special bolt torque values



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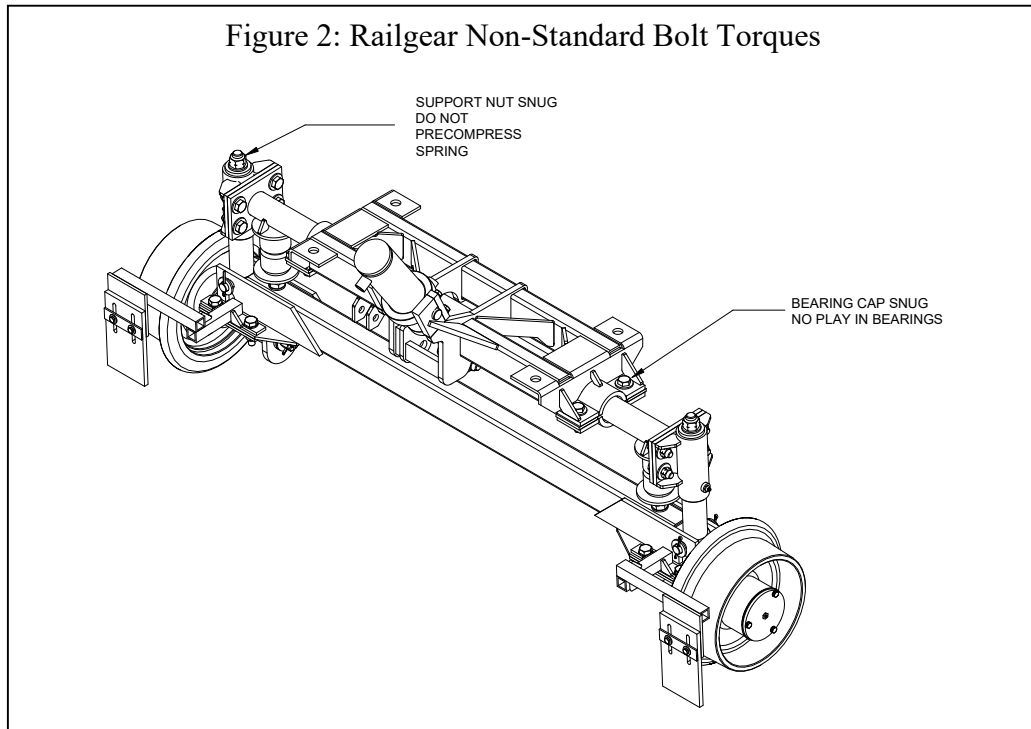


Table 1: Standard Bolt Torque Values

Bolt Detail	Bolt Torque Value (ft-lbs)
1" UNC Gr. 8 Fasteners	250
¾" UNC Gr. 8 Fasteners	175
⅝" UNC Gr. 8 Fasteners	150
½" UNC Gr. 8 Fasteners	100
⅜" UNC Gr. 8 Fasteners	40
¼" UNC Gr. 8 Fasteners	12