

Technical Bulletin

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Summary: Installation of the 2100-591 Single Transducer Rail Mount

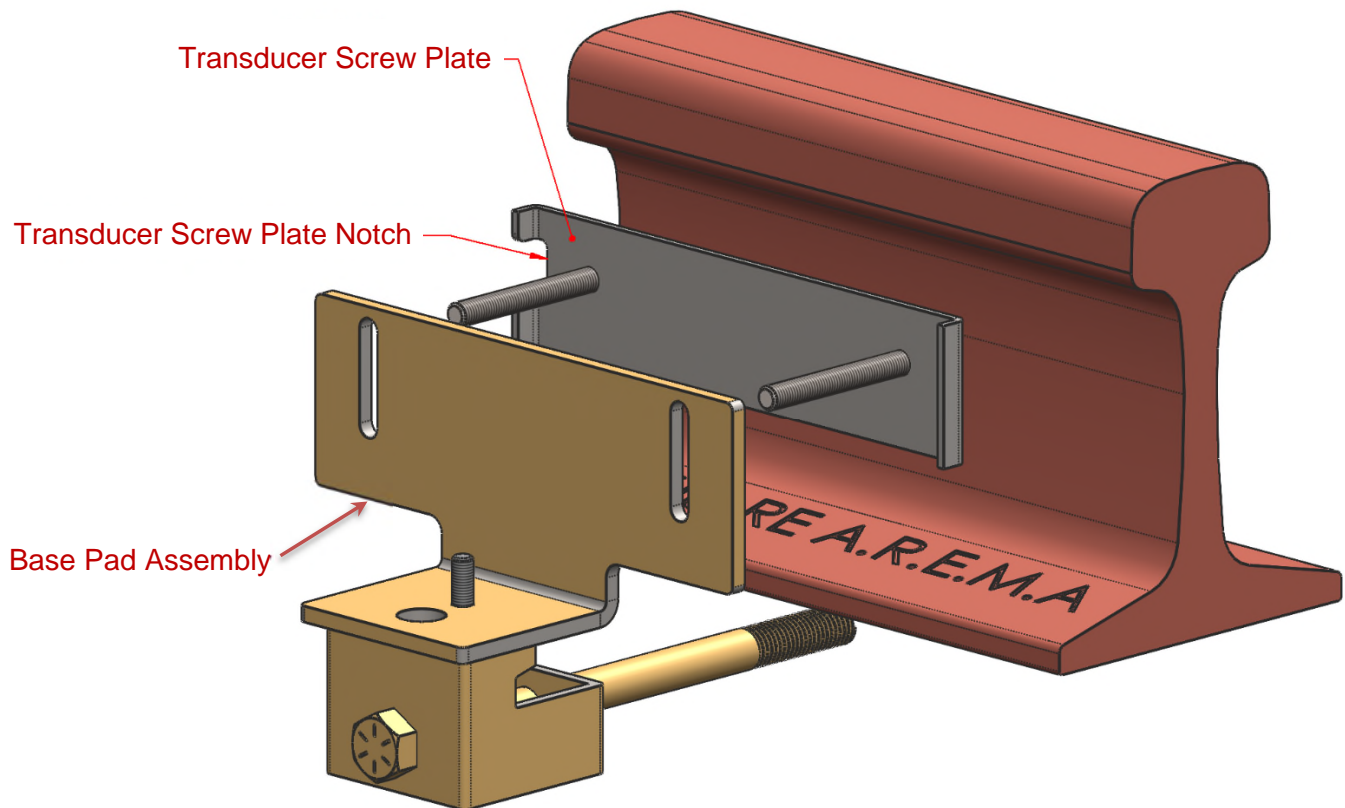
Critical (Affects safe operation of system)

Informational

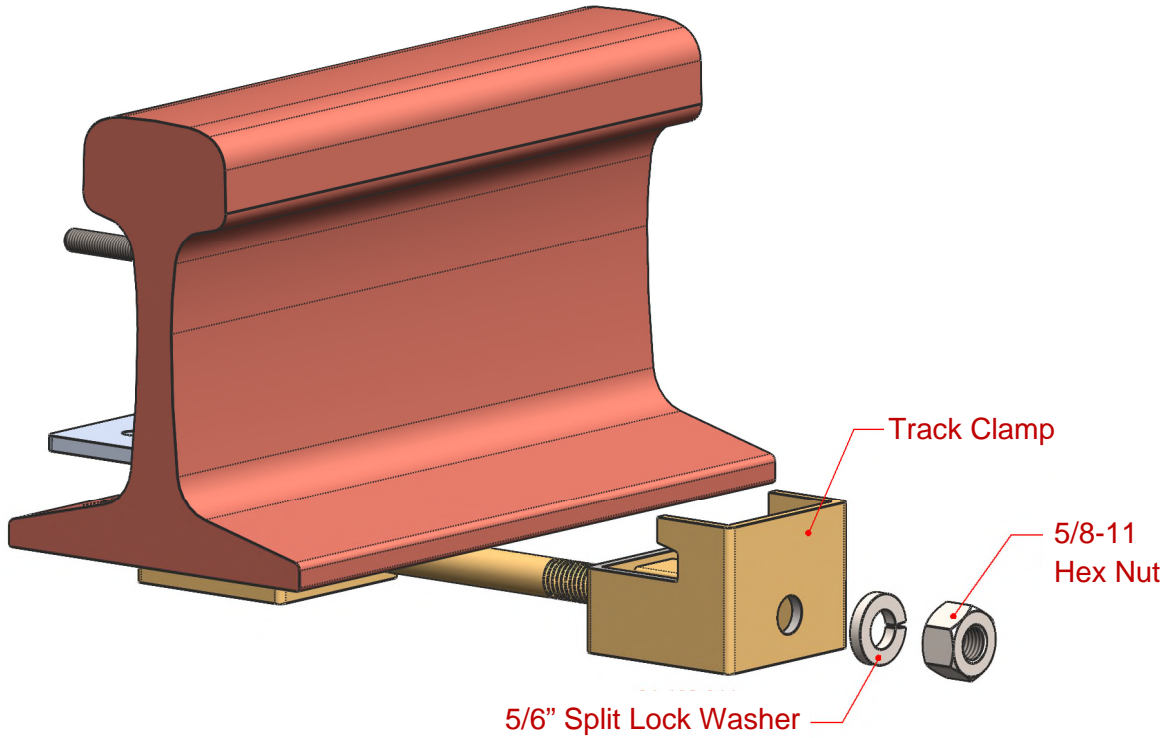
Distribution List: Maintainers

2100-591 Installation Instructions

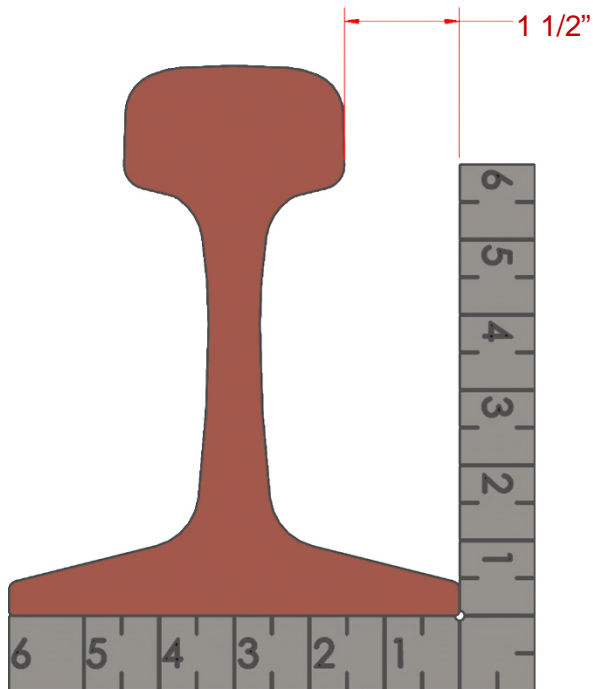
1. Install the (welded) screws on the Transducer Screw Plate into the slots on the back of the Base Pad Assembly. Ensure the notch on the screw plate is on the left side of the mount.
2. Install the base pad on the rail. Use the notches on the clamp part of the base to engage the foot (base) of the rail.



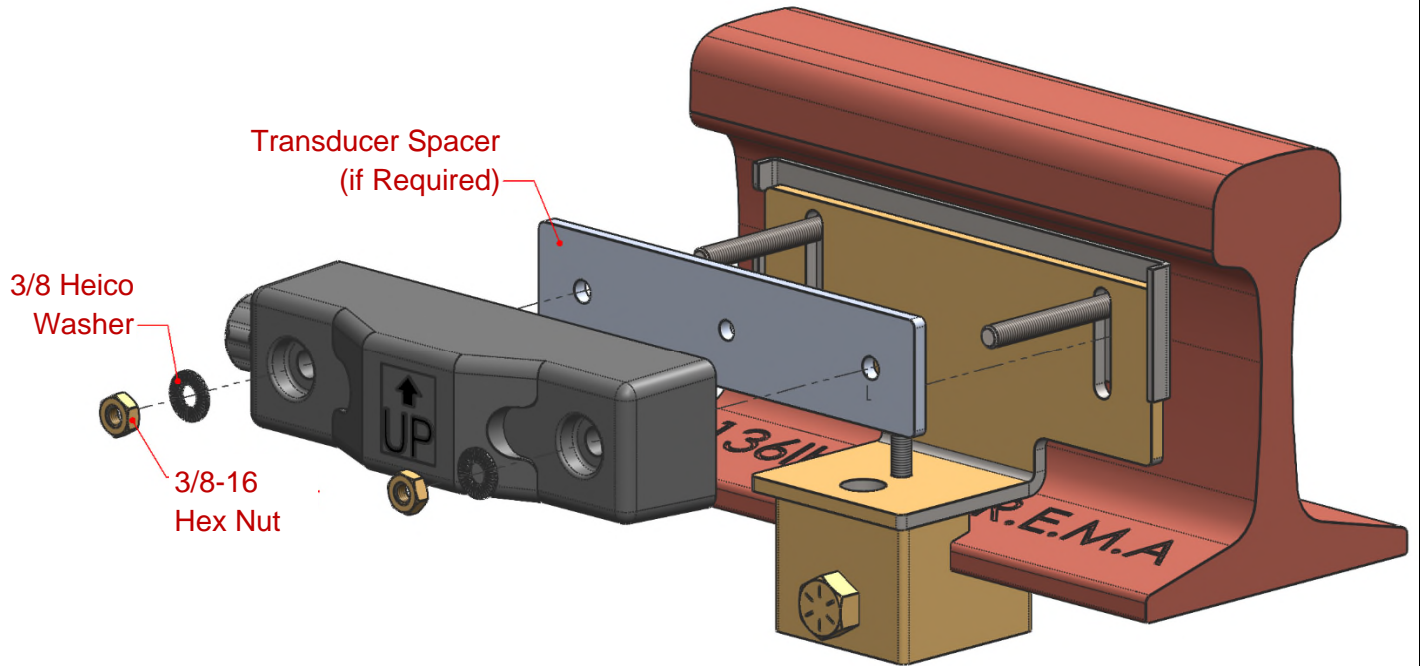
3. Install the Track Clamp over the mounting bolt and onto the rail foot. Add the 5/8 split lock washer and the 5/8-11 hex nut. Torque the hex nut to **45 ft lbs.**



4. Measure the rail dimension, as depicted below. If this dimension is **1 1/2"** or less, no transducer spacer is required. If this dimension is more than **1 1/2"**, remove transducer spacer from base pad assembly and slide over screws on the Transducer Screw Plate.



5. Install the transducer (and spacer if required) over the Screw Plate screws. Secure the transducer against the Base Pad using one 3/8" Nord Lock washer and one 3/8-16 nut on each screw. Do not tighten the nuts.



6. Place a transducer height gauge on the rail over the transducer. Slide the transducer upward until it contacts the bottom of the gauge plate. Torque the two transducer nuts to **15 ft. lbs.** When finished, the transducer should be parallel to the rail and **1 9/16"** below the crown of the rail.

