Honeywell

Installation Instructions for the RDS-CL-06 Railwheel Sensor Clamp

ISSUE 2

PK 80126

⚠ WARNING

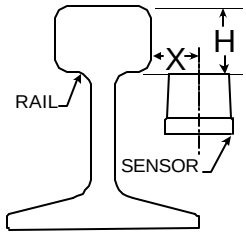
PERSONAL INJURY

- **DO NOT USE** in applications where product failure could result in personal injury or death.
- Improper installation of this device can cause personal injury. **STRICTLY FOLLOW** the instructions below.

MECHANICAL SPECIFICATIONS

Operating Temperature	-40 °C to +85 °C (-40 °F to +185 °F)
Shock	500 g, halfsine 1.6 msec (IEC68-2-27)
Vibration	Sinusoidal 10-2000 Hz, 20 G, (IEC68-2-6) 30 minutes each axis for temperatures -40 °C, +25 °C, +85 °C
Mounting Torque	Rail clamp and adaptor plate mounting bolts: 162,8 N m (120 ft lb) Sensor clamp mounting bolts: 9,5 N m (7 ft lb)

FIGURE 1: RAIL PROFILE



H = 45,0 mm ± 3,00 mm (1.77 in ± 0.12 in)

X = 32,0 mm (1.26 in)

MOUNTING INSTRUCTIONS (see Figures 1-3)

1. Select sensor mounting location.
2. Grind all overflow from top and sides of rail.
3. Grind and clean all rust and scale from clamp mounting location.
4. Position base bracket on rail. Drive on with hammer.
5. Position clamping bracket on rail. Drive on with hammer.
6. Install two 5/8 in lockwashers and two 5/8 in castlenuts on the rail clamp mounting bolts. Torque to 162,8 N m (120 ft lb). Install two 1/8 in cotter pins in holes and secure.
7. Mount adaptor plate using six 5/8 in flat washers, two 5/8 in lockwashers, and two 5/8 in castlenuts on the rail clamp mounting bolts. Torque to 162,8 N m (120 ft lb). Install two 1/8 in cotter pins in holes and secure.
8. Mount top bracket using two 5/8 in rail clamp mounting bolts, two 5/8 in flat washers, two 5/8 in lockwashers, and two 5/8 in castlenuts.
9. Position sensor on top bracket so that distance X is 32,0 mm (1.26 in). Install two 5/16 in sensor clamp mounting bolts, two sensor clamp mounting brackets, two 5/16 in lockwashers, and two 5/16 in castlenuts. Torque to 9,5 N m (7 ft lb). Install two 3/64 in cotter pins in holes and secure.
10. Adjust sensor position so that distance H is 42,0 mm to 48,0 mm (1.65 in to 1.89 in). Torque rail clamp mounting bolts to 162,8 N m (120 ft lb). Install two 1/8 in cotter pins in holes and secure.

FIGURE 2: MOUNTING DIMENSIONS (for reference only) (mm/in)

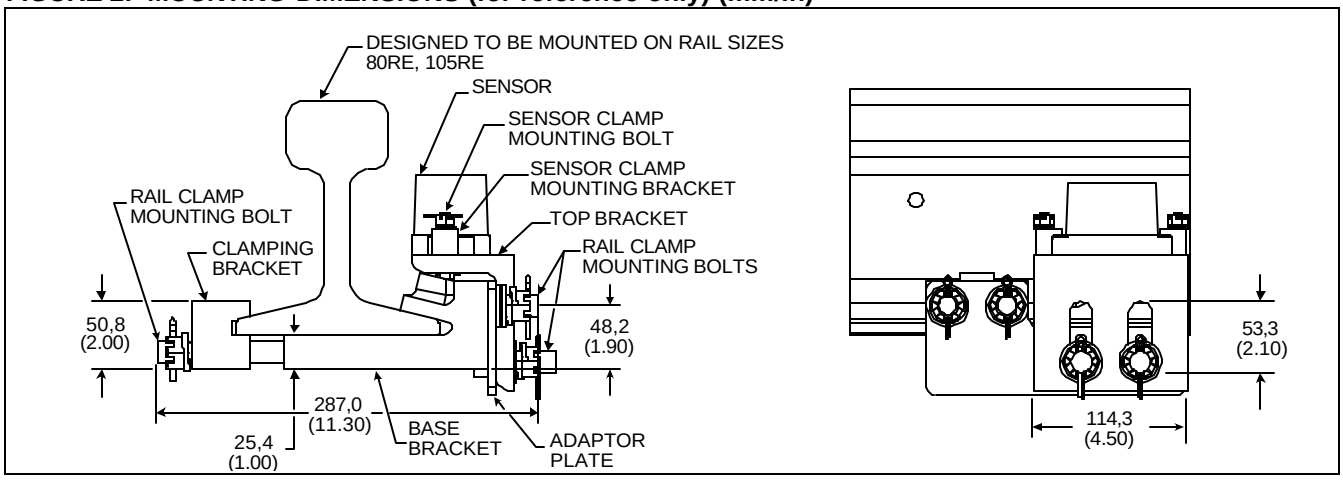
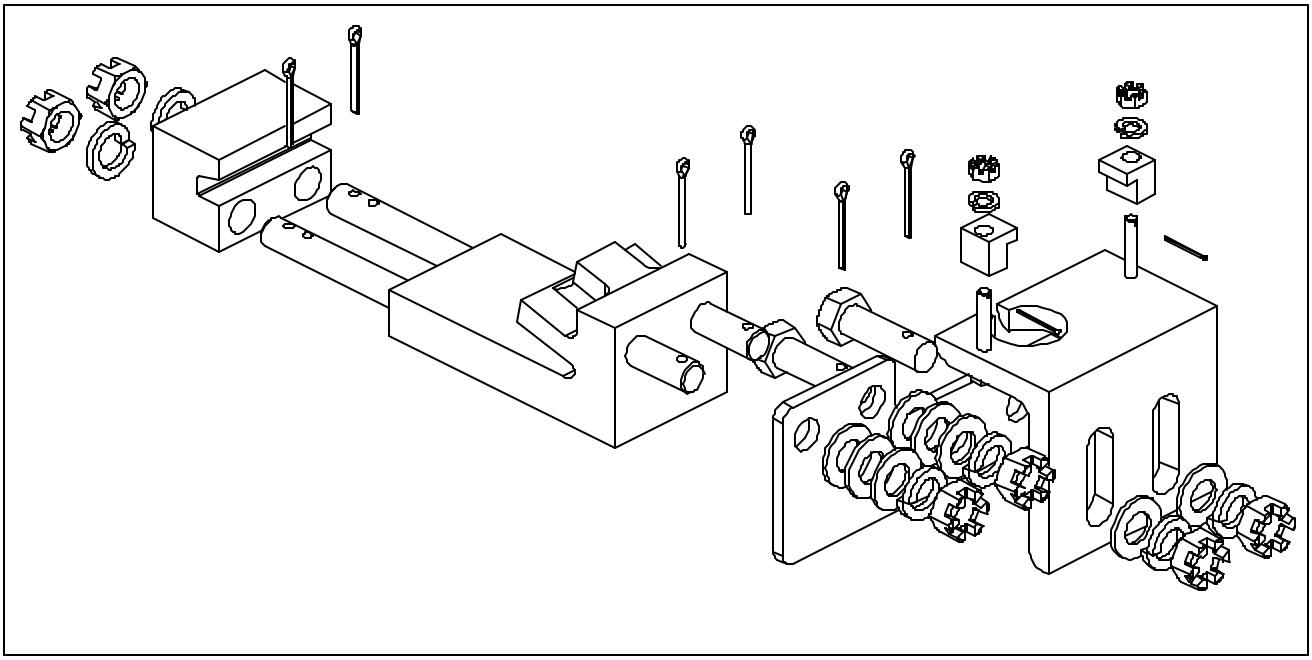


FIGURE 3: EXPLODED VIEW



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