TOOLBOX TIPS: TIREMAAX® — CLOCKING THE HUBCAP

For complete instructions, refer to Hendrickson literature number T51002 TIREMAAX® PRO and CP Installation, Service and Troubleshooting procedures before referencing this document.

HUBCAP INSTALLATION

IMPORTANT: Once installed, DO NOT REMOVE HUBCAP. To protect the warranty on Hendrickson assembled wheel-end components, follow tire hose installation instructions in T51002. CONTACT Hendrickson Technical Services before removing any Hendrickson assembled wheel-end components.

Three basic hubcap types, as noted in the table below, are available. Hubcap installation is identical for each.

<table>
<thead>
<tr>
<th>SPINDLE TYPE</th>
<th>HUBCAP</th>
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<tbody>
<tr>
<td>HN</td>
<td>HN</td>
</tr>
<tr>
<td>HP</td>
<td>HP</td>
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<tr>
<td>HP with castle nut system</td>
<td>HP extended</td>
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</table>

Table 1: Basic hubcap types

To install the hubcap:

1. **Draw** just enough axle hose out from center of spindle to attach axle hose fitting to the rotary union inside the hubcap (Figure 1).

2. **Place** hubcap gasket over axle hose for later positioning.

**NOTE:** Shaft has pre-applied dry thread locker. Loctite® or other thread locking compound is not required.

3. **Hand thread** rotary union onto axle hose fitting. **DO NOT rotate axle hose fitting.**

4. **Using** a 3/8-inch wrench to prevent rotation of the axle hose fitting (Figure 1), **tighten** the rotary union shaft to 50±5 in. lbs. (5.7±0.6 Nm) of torque.

5. **Place** two opposing bolts in hubcap and **align** gasket to bolts.

6. **Orient** hubcap for proper tire hose routing. **Aligning** the tire hose ports so they are BETWEEN two wheel mounting studs will generally provide the best tire hose routing (Figure 4).

7. **Install** all hubcap bolts and **hand-tighten**.

8. **Tighten** hubcap bolts in the order shown to 15±3 ft. lbs. (20±4 Nm) of torque (Figure 2).

9. **Repeat** procedure for each wheel-end.

**NOTE:** If oil lubricated wheel-end, **oil can be added after hubcap is installed.** For details on wheel-end lubrication, refer to applicable wheel-end or OE documentation.

When clocking hubcaps / wheels:

1. **Ensure** hubcap is clocked to aim tire hose ports between wheel studs.

2. **Clock** wheels to align valve stem with hubcap tire hose port(s). If duals, align inner wheel (straight hose) first.

When installing tire hoses, ensure:

- Tire hose is not stretched so tightly a strain is introduced at either end.
- Either tire hose is not so loose it contacts the wheel.
- No portion of the tire hose extends outward past the wheel (Figure 3).