

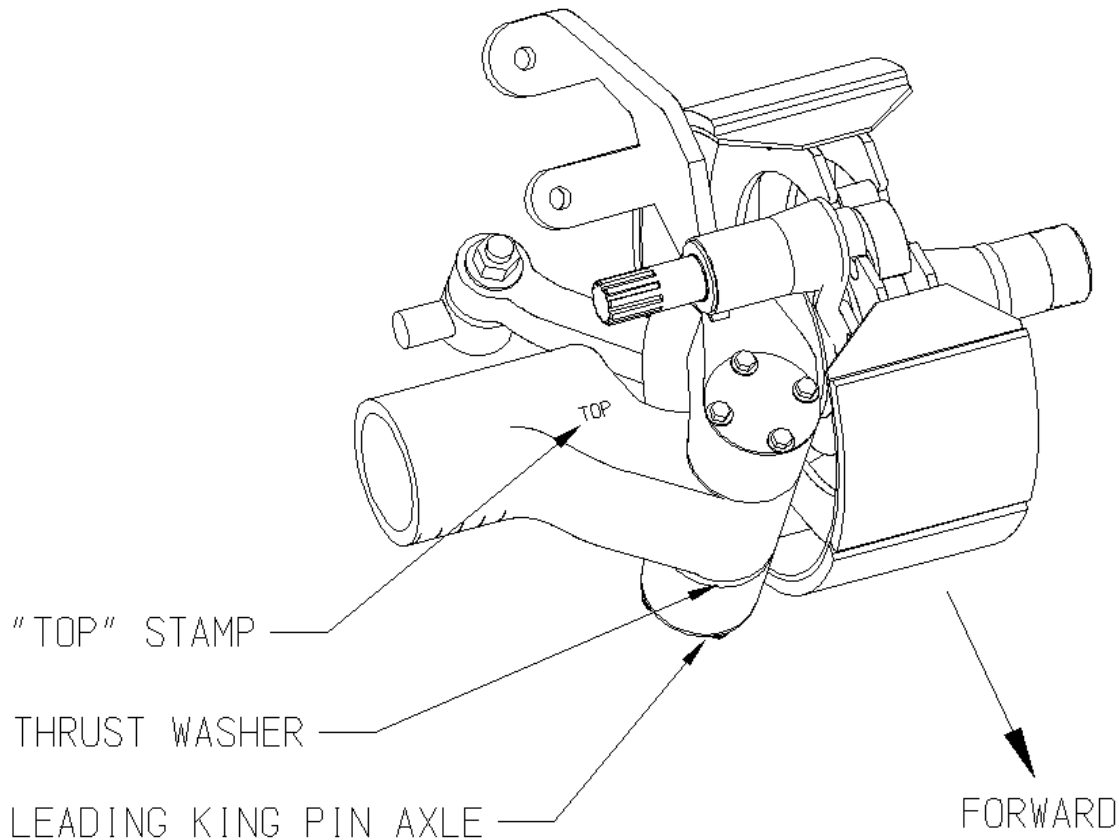


SMART-STEER[®]

HEAVY DUTY SELF-STEERING AXLE SYSTEM

INSTALLATION INSTRUCTIONS

General Leading King Pin for Self-Steering Axles



ALL SELF STEERING AXLES MUST HAVE A DEXTER ENGINEERING APPROVAL NUMBER.

1. Confirm that the SSA has a) King Pins in front of axle; b) Thrust washers on bottom of beam end; c) Stamp letters "T" visible from top of axle.
2. Install the SSA axle in the suspension. Center the axle in the suspension and set the caster at working height (059-C15-00).
3. Hard tack weld axle to suspension seat and assemble to vehicle. Install wheels & tires. Set alignment (059-C16-00 or 059-C50-00 laser) using the suspension manufacturer's recommendation for adjusting the suspension. SSA Beam must be centered and square with trailer king pin and center line. Safely hard tack-weld suspension into place. Verify caster is at correct ride height again (059-C15-00).
4. Remove shipping plate between the knuckle and beam end. With no pressure in torpress (when applicable) articulate suspension to both extremes and assure that there is no clearance problems with frame, suspension, or attachments (e.g. tire racks, dump, logging bunks etc.) Make allowances for suspension travel. When axle and suspension are correctly aligned and caster is correct, complete all welding per manufacturer's recommendations.
5. Verify toe-in and adjust as required (059-C21-00).
6. When clearances are established, verify that the welding operations and torque values on the axle, suspension, and wheels are within specification.