



INSTALLATION INSTRUCTIONS

Self-Steering Axle

1. Installations should comply with your Dexter Installation number. Suspension should be the specified model and capacity. Thrust washers should be below the beam-end at the king pin. Tires should be as specified on your IN008-XXXX approval sheet.
2. Check for mechanical looseness/wear/damage on the suspension/axle/frame and all related components. Also verify that there is adequate clearance between the frame/suspension and the "tie-rod and clamps", the air chambers, and tires at axle maximum turn, and suspension extreme rebound.
3. Check Tie Rod End condition in 059-C44-00.
4. Check King Pin and Bushing condition in 059-C34-00 and repair in 059-C42-00. If required, use 059-C54-00 - 100 Ton King Pin press to remove King Pin. For SSA models older than 2003, please call Dexter for assistance.
5. Wheel bearings should be adjusted correctly.
6. Verify caster: 059-C15-00.
7. Verify alignment: 059-C50-00 (laser method), and 059-C17-00 (conventional method) for field verification or 059-C16-00 (conventional method) for new installations.
8. Verify toe-in: 059-C19-00. See chart and drawing for settings that are specific to the tie rod height.
9. Tires (both sides) must be identical: a) Same manufacturer, size, designation, and tread. Same amount of wear. b) Same type: all radial -or- all bias ply. c) Balanced. d) Inflated to the manufacturer's suggested pressure for the actual load.
10. Both sides of rims must be same part number and mounted the same offset.
11. Hubs and drums (both sides) must be: a) Same part numbers b) Balanced drums c) both sides of the hubs and drums must be the same part numbers d) both drums need to be balanced.
12. Brakes (both sides) must be: a) Same size. b) Same friction (lining formula and edge code) c) Adjusted properly. d) Original length push rods. See length stamped on air chamber bracket.
13. Steering damper and/or torpress should be installed and in working condition. Torpress adjusted per Procedure 059-C23-00.
14. Reverse lock should be installed and working: procedure 059-C23-00 or 059-C53-00.
15. Verify that the automatic reverse lift system is operational in procedure 059-C53-00.