

INSTALLATION INSTRUCTIONS

100 Ton King Pin Press

The Dexter Smart-Steer Axle King Pin Press is intended for use in removing the King Pin from the SSA. The supplied kit is intended to be used with a 100 ton hydraulic jack (not included).

CAUTION

Do not lift or support the trailer on any part of the axle or suspension system. Never go under any trailer unless it is properly supported on jack stands which have been rated for the load. Improperly supported vehicles can fall unexpectedly and cause serious injury or death.

King Pin Removal

1. Remove all components necessary to access the knuckle, including the wheel, brake drum/disc, brake shoes, brake slack adjuster, etc.
2. Support the knuckle with straps, chains, or blocks, etc. to prevent shifting after King Pin removal.
3. Remove 3/8" bolts (Fig. 1) (A), lock washers (B), both top and bottom King Pin caps (C), and gaskets (D). Remove 7/16" nuts (E) and draw keys (F).
4. Turn knuckle to maximum forward steer angle (Fig. 2), disconnect tie-rod (G) if required.
5. Assemble the King Pin Press around the knuckle (Fig. 2 & 3). One full thread on each tension rod must be visible at each nut. Both top and both bottom nuts must be adjusted to the same number of threads visible in order to tension the two rods equally.
6. Connect hydraulic jack (H) to hydraulic power supply (Fig. 3). Gradually increase hydraulic pressure until King Pin is pushed through the knuckle assembly far enough for removal.

CAUTION

Do not exceed 100 tons of hydraulic jack force as this may damage components of the King Pin Press and/or axle.

Figure 1

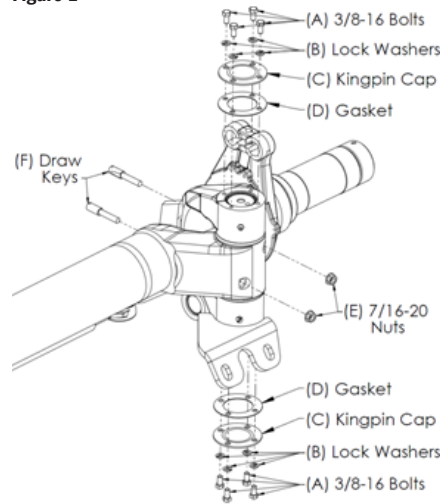


Figure 2

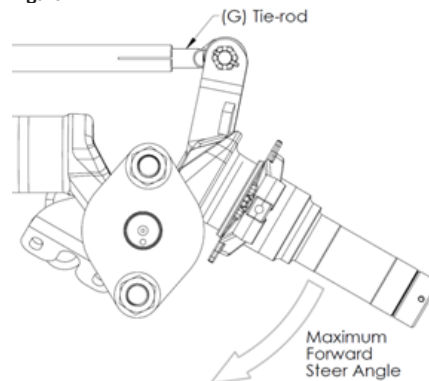


Figure 3

