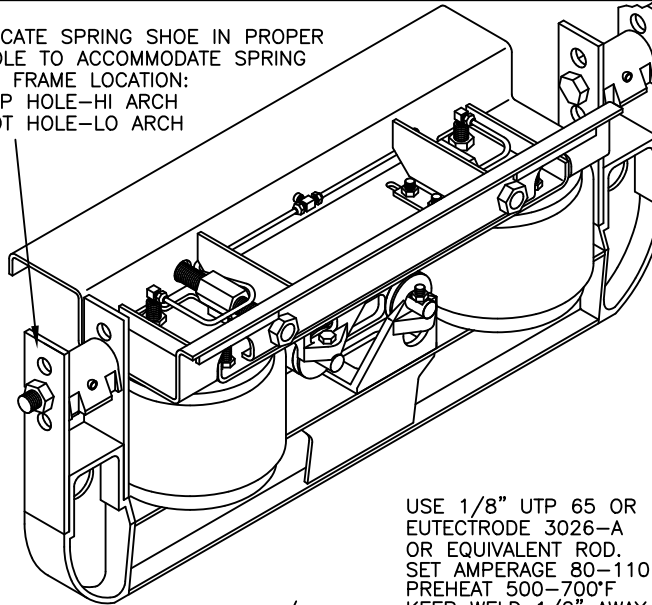
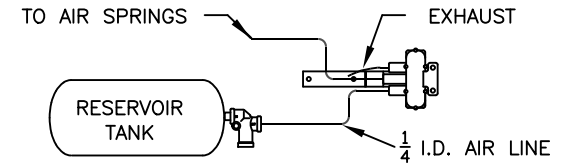


1. JACK UP TRUCK FRAME UNTIL LEAF SPRINGS CLEAR SPRING HANGER PADS. ON TANDEM AXLE INSTALLATIONS BLOCK EQUALIZER LEVEL PRIOR TO JACKING FRAME.
2. REMOVE EXISTING REAR SPRING HANGERS
3. REMOVE ANY CROSSMEMBERS THAT WOULD INTERFERE WITH SUPERIDE CROSSMEMBER.
4. LOCATE CENTERLINE OF CROSSMEMBER ON APPROX. CENTERLINE OF OLD SPRING HANGER. INSTALL FRAME PLATES INSIDE FRAME RAILS, AND SPRING STOP PLATES ON OUTSIDE OF FRAME. USE 1/2" GRADE 5 BOLTS.
5. INSTALL COMPLETE SUSPENSION BY SLIDING INSIDE TRUCK FRAME AND LEAF SPRINGS UNDER SPRING SHOES. CROSSMEMBER IS MADE TO FIT 34" O.D. FRAMES. CROSSMEMBER LENGTH IS 32.5". INSERT FRAME PLATES AS NECESSARY. DO NOT SPREAD FRAME RAILS. TRIM CROSSMEMBER FOR NARROWER FRAMES.
6. AFTER PROPER ALIGNMENT IS SATISFIED—WELD CROSSMEMBER TO FRAME PLATES INSIDE FRAME WITH A MINIMUM OF 14" OF 1/4" FILLET WELD PER SIDE.
7. TO BE SURE OF SPRING SHOE LOCATION ON SPRINGS, BLOCK TRANSVERSE ROD LEVEL (HORIZONTAL) AND RELIEVE TRUCK FRAME FROM JACKS. WITH SPRING LOAD AGAINST SHOES, WELD AS SHOWN.

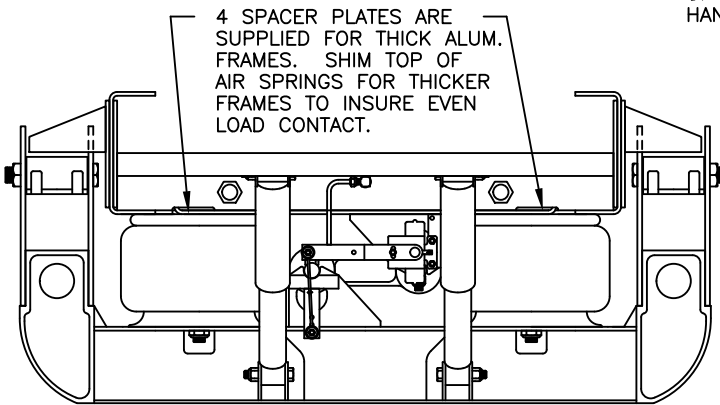
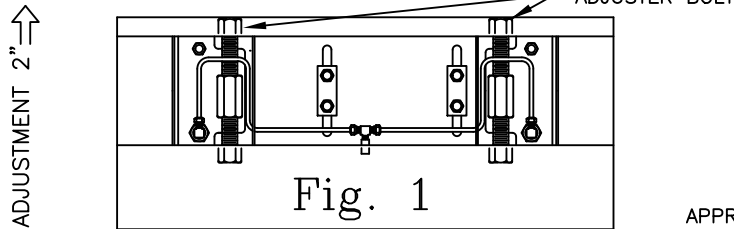
LOCATE SPRING SHOE IN PROPER HOLE TO ACCOMMODATE SPRING TO FRAME LOCATION:
TOP HOLE—HI ARCH
BOT HOLE—LO ARCH



USE 1/8" UTP 65 OR EUTECTRODE 3026-A OR EQUIVALENT ROD. SET AMPERAGE 80-110 PREHEAT 500-700°F KEEP WELD 1/2" AWAY FROM ANY EDGE OF SPRING ALLOW SLOW COOLING



8. WELD SPRING STOPS TO PADS ON OUTSIDE OF FRAME LEAVING A MIN. OF 3" OF CLEARANCE TO SPRINGS WITH TRUCK NOT LOADED.
9. CONNECT SUPERIDE TO PRESSURE PROTECTED AIR SUPPLY.
10. REMOVE BLOCK FROM TRANSVERSE ROD, START ENGINE AND FILL RESERVOIR TANKS. AIR SPRINGS WILL INFLATE WHEN TANK PRESSURE SURPASSES 70 PSI.
11. CHECK ALL FITTINGS FOR AIR LEAKS, ALL BOLTS FOR TIGHTNESS
12. UNIT IS NOW READY FOR SERVICE. FINAL ADJUSTMENT HAS TO BE MADE WITH TRAILER LOADED AS CLOSE TO NORMAL CAPACITY AS POSSIBLE. YOU WILL NOTE AT THIS TIME THAT THE AIR SPRING BEAM WILL BE TILTED SLIGHTLY TO THE REAR (FIG. 2). THIS TILT IS CAUSED BY SPRING LENGTHENING TO THE REAR WHEN LOADED. THIS ACTION CAUSES ADVERSE WEAR IN THE TRANSVERSE ROD. WITH TRAILER STILL LOADED, LOOSEN BOLTS LOCATED OVER THE SLOTTED HOLES (FIG. 1). WITH A 1 1/2 INCH SOCKET, OR WRENCH, TURN ADJUSTING BOLTS CLOCKWISE. THIS WILL MOVE THE TWO AIR SPRINGS AND UPPER TRANSVERSE ROD BRACKET TO THE REAR. CONTINUE ADJUSTING UNTIL THE AIR SPRINGS AND SPRING SHOES ARE ON THE SAME CENTERS. SEE FIG. 3. RETIGHTEN FOUR BOLTS AFTER ADJUSTMENT IS MADE.



Front View

APPROX. CTR. LINE OF ORIGINAL SPRING HANGER

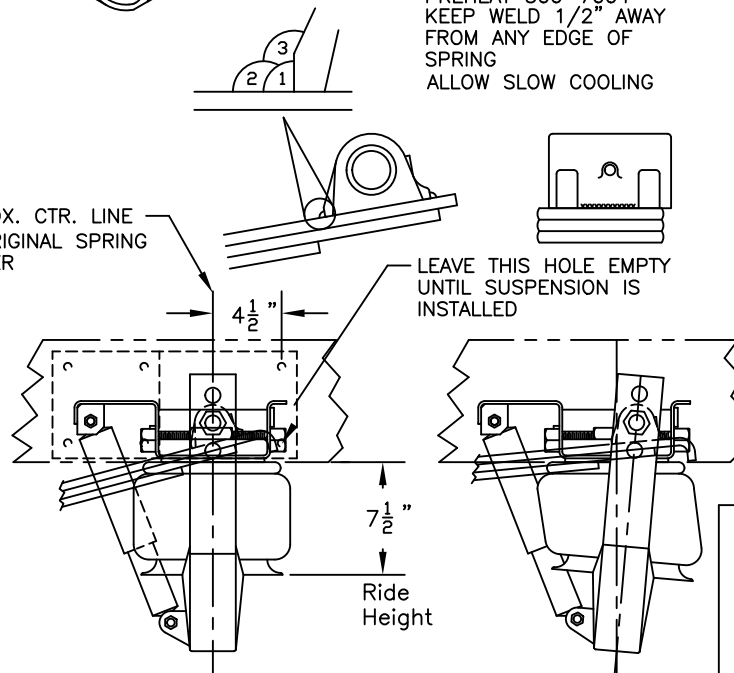


Fig. 3

Fig. 2

SERIES 800/SINGLE OR TANDEM AXLE TRUCKS
Superide Models: 810, 814

ACS

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DWG. No. 8700-046
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