

INSTRUCTIONS  
DIAL INDICATOR KIT  
for  
FIELD ALIGNMENT

## Series "Q" Close Coupling

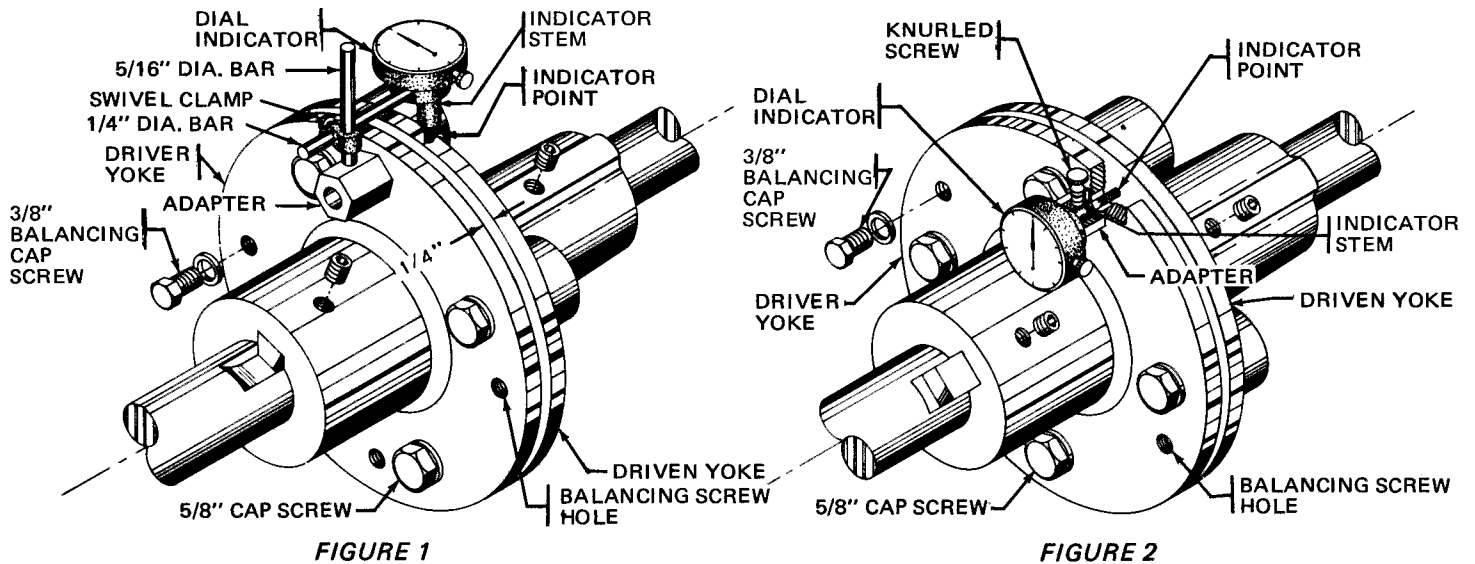


FIGURE 1

FIGURE 2

Below is a suggested procedure for using the Marley Dial Indicator Kit No. 72-3968-4 to check Series "Q" Close Coupling alignment. (See illustrations above.)

1. To check or adjust parallel alignment, screw adapter into one of the balancing holes of the driver yoke. If it is necessary to remove the 3/8" balance cap screw and washers, store them in a safe place.
2. Screw the 5/16" dia. holding bar into adapter and tighten. (See Figure 1.) Screw the 1/4" dia. holding bar into dial indicator and install swivel clamp onto the holding bars.
3. Position the swivel clamp until the indicator point is approximately in the center of its travel. Tighten the swivel clamp until the dial indicator is secure. The indicator point must remain in contact with the radial edge of the driven yoke flange during one complete revolution, but it must not at any time be pushed in so far that it "bottoms"; i.e., reaches the limit of the indicator point movement.
4. Check the indicator reading. If it is greater than .005 inch, place shims under the feet of the driver and/or driven unit, or shift unit laterally until a total indicator reading of not more than .005 inch is reached.
5. Disassemble indicator setup, leaving adapter in place.
6. To check or adjust angular adjustment, carefully insert stem of dial indicator into adapter hole and position dial indicator such that the indicator point is approximately in the center of its travel. (See Figure 2.) The indicator point must remain in contact with the flange face of the driven yoke during one complete revolution, but the point must not at any time be pushed in so far that it reaches its limit of movement. When the dial indicator has been positioned, tighten the knurled screw in the adapter enough to hold the indicator stem.
7. Check the indicator reading. If it is greater than .005 inch, reposition the driver and/or driven unit laterally or with shims until a total indicator reading of not more than .005 inch is reached.
8. Tighten all mounting bolts and recheck both parallel and angular alignment. If an indicator reading is greater than .005 inch, repeat necessary steps to correct the misalignment. Both indicator readings should read not more than .005 inch when the mounting bolts are tight.
9. If the balance screw and washers were removed in step 1, replace in same hole before operating.



MANUAL 92-1479