



ES Service Information

File In/With: N/A

SI0111

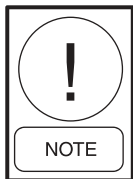
New 1-05

Equipment Affected: YST & YK Chillers

Coupling Installation Procedure for Chillers Using Compressors with Tapered Drive Shafts

General

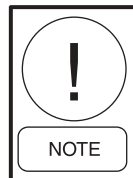
When installing coupling hubs (YORK p/n 029-20899-000), follow the steps below. Disregard printed information identified as "Form 1391" which may be enclosed in the component packing received with the replacement coupling as shipped from Baltimore Parts, or direct from the vendor.



Do not heat the coupling hubs if this is suggested in "Form 1391". This is not a YORK publication and heating is not permitted.

Coupling Installation

1. Verify the keyway depth in coupling keyway and the tapered shaft keyway measures .375"/.380" deep. Recently we found several shafts that were not properly cut to the correct depth. If both measurements of the keyways are acceptable, a standard .750" x .750" key should be installed.



If the measurements are less than the described measurements, a special key may need to be constructed for the undercut measurements.

2. Examine both the coupling bores and taper shafts for any burrs or protrusions. A light use of green scotch-brite to address small blemishes is acceptable.
3. Verify the key is the correct length for the coupling hub and shaft keyway.
4. Install the key and hub onto the tapered shaft. *Do not use heat as may have been suggested in literature received with the new or replacement coupling assembly*
5. Verify the center main bolt is 1/2" x 13 thds./in. Grade 8. Torque the center main bolt to 130 ft lbs.
6. Check the coupling runout at the hub outer periphery. The runout should not exceed .003".
7. Check the face runout of the coupling. The face runout should not exceed .002"