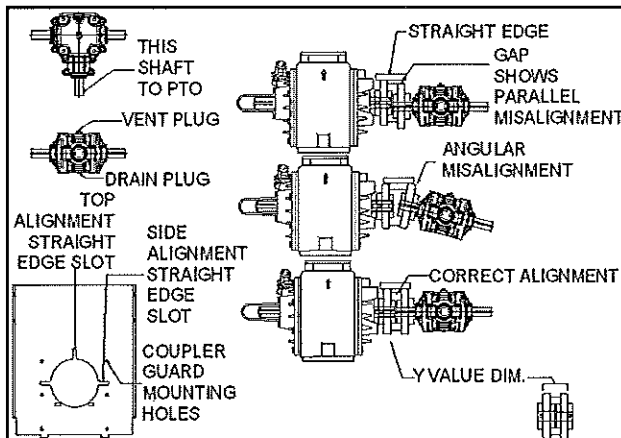


Coupler Installation Manual

Coupling Kit	Base Kit
17202	33016
17201	33017
17203	33018

NOTE: Gearbox rotation can be changed by swapping location of the vent plug and the drain plug and mounting the box opposite side up.



1. Install pump on mounting base.
2. Install pump-mounting bolts. (Hand tight only)
3. Inspect all coupling components and remove protective coating from all shafts or mating surfaces. Remove any burrs from shaft and key slots.
4. Slide one coupling flange onto pump shaft.
5. Slide second coupling flange onto gearbox shaft.
6. Install coupling elements into pump flange.
7. Position gearbox on mounting base.
8. Install gearbox-mounting bolts. (Hand tight only)
9. Position flanges on the shafts to approximately achieve the Y dimension shown in the **Table 1**. It is best to have an equal length of shaft extending into each flange. Move one flange to its final position and tighten set screws.
10. Slide the loose flange on the shaft until the element is completely seated in the teeth of each flange. Tighten the set screws.
11. Insert straight edge through one of the side alignment slots in the base upright and move pump and gearbox until edges of the flanges are parallel with the straight edge.

12. Snug the mounting bolts. (Pump and Gearbox)
13. Insert straight edge through top alignment slot in base upright and check to see if the edges of the flanges are parallel with the straight edge.

NOTE: In most cases the gearbox flange will be lower than the pump flange. To bring the two flanges to the same level insert the forked shims provided between the gearbox and the mounting base.

14. Locate the alignment values for the size coupling you are installing from table 1 and insert shims under the pump or gearbox as necessary to achieve the proper alignment value. The value shown is the **maximum** misalignment permitted. Zero misalignment is the goal. Angular misalignment can be checked using calipers to measure the Y dimension side to side and top to bottom or by ensuring all flange faces are parallel to the straight edge. With alignment achieved, finally tighten all mounting bolts and discard unused shims.
15. Install coupler guard with bolts provided.

Table 1

Sleeve Size	Max. Misalignment		
	Parallel	Angular	Y Value
6	.015"	.070"	2.438"
7	.020"	.081"	2.688"
8	.020"	.094"	3.001"
9	.025"	.109"	3.563"