Introduction

The following instructions apply to the installation of standpipe kits to standard drives mounted for vertical operation (high speed shaft up or down). Drawings are representative of this series of drives and may not agree in exact detail with all drive sizes.

NOTE: Vertical shaft drives, when filled to the proper oil level, are completely full of oil.

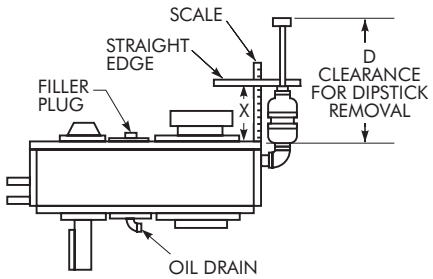
High Speed Shaft Down — Figure 1

1. After installing the drive per the Owners Manual installation instructions, determine which of the upper side plug locations on the drive will provide the best location for the standpipe, observing clearance required to remove dipstick (Dimension D, Table 1). Discard the air vent. When the air vent location is not used for the standpipe, relocate the pipe plug from the selected standpipe location to the air vent location. Recoat pipe plug threads with Permatex #3 or equivalent sealant before reinstalling.
2. Coat all pipe threads of kitted parts with Permatex #3 or equivalent sealant.
3. Assemble kitted parts to the drive as illustrated in Figure 1 and then secure the standpipe with an external support to maintain its vertical position.

TABLE 1 — Dimensions

DRIVE SIZE	Inches (mm)			
	A	B	C	D
5407	0.75 (19)	1.25 (32)	1.75 (44)	24.3 (617)
5415	0.90 (23)	1.40 (36)	1.90 (48)	21.3 (541)
5507	0.92 (23)	1.42 (36)	1.92 (49)	21.3 (541)
5608	1.03 (26)	1.53 (39)	2.03 (52)	20.6 (523)

Figure 1



4. Carefully measure Dimension X as illustrated in Figure 1.
5. From Table 1:

   X + A equals oil level "Full" mark.

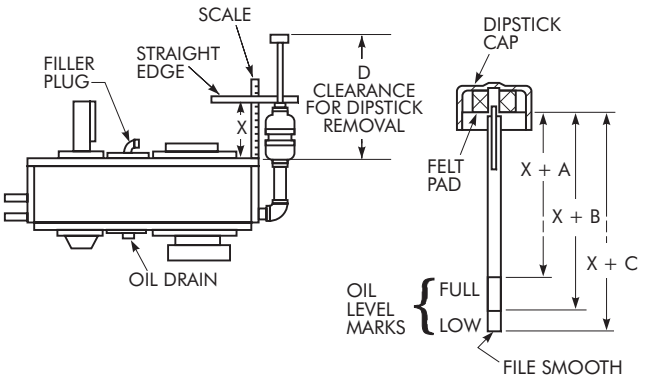
   X + B equals oil level "Low" mark.

   X + C equals dipstick length.
6. Scribe Dimensions X + A and X + B on the dipstick as illustrated in Figure 1. Make measurements from the felt pad in the dipstick cap.
7. Lightly chisel permanent oil level marks on the scribed lines and cut the dipstick to the length marked. File end of dipstick smooth.
8. Install magnetic drain plug (furnished) in oil drain location.
9. Remove the oil filler plug. Add oil until the oil level reaches the "Full" mark on the dipstick. Coat the filler plug (not vented) with Permatex #3 or equivalent sealant and replace it.
10. Filler plug must always be removed to relieve entrapped air before checking oil level.

High Speed Shaft Up — Figure 2

1. After installing the drive per the Owners Manual installation instructions, determine which of the lower four side plug locations on the drive will provide the best location for the standpipe, observing clearance required to remove dipstick (Dimension D, Table 1). Discard the air vent. When the air vent location is not used for the standpipe, relocate the pipe plug from the selected standpipe location to the air vent location. Recoat pipe plug threads with Permatex #3 or equivalent sealant before reinstalling

Figure 2



2. Coat all pipe threads of kitted parts with Permatex #3 or equivalent sealant.
3. Assemble kitted parts to drive as illustrated in Figure 2 and then secure the standpipe with an external support to maintain its vertical position.
4. Carefully measure Dimension X as illustrated in Figure 2.
5. From Table 1:

   X + A equals oil level "Full" mark.

   X + B equals oil level "Low" mark.

   X + C equals dipstick length.
6. Scribe Dimensions X + A and X + B on the dipstick as illustrated in Figure 1. Make measurements from the felt pad in the dipstick cap.
7. Lightly chisel permanent oil level marks on the scribed lines and cut the dipstick to the length marked. File end of dipstick smooth.
8. Install magnetic drain plug (furnished) in oil drain location.
9. Remove the oil filler plug. Add oil until the oil level reaches the "Full" mark on the dipstick. Coat the filler plug (not vented) with Permatex #3 or equivalent sealant and replace it.
10. Filler plug must always be removed to relieve entrapped air before checking oil level.

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