



Inspection

OIL CHARGE

If the quantity of oil is unknown, the compressor oil level must be checked at the time of installation and again after the system has been fully charged with refrigerant and the system has been operated and balanced out to the desired compartment interior temperature.

Make the initial oil level check after the compressor is mounted on the mounting bracket and before initial refrigerant charge.

Remove one oil fill plug with its "O" ring, either plug on a vertical mount installation, the upper plug on horizontal mount installations.

LEFT HAND MOUNTING:
CHECK OIL WHEN NON ROK SHAFT KEY IS DOWN.

RIGHT HAND MOUNTING:
CHECK OIL WHEN NON ROK SHAFT KEY IS UP.

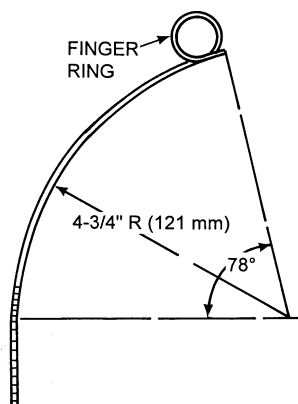


FIG. 1-OIL DIP STICK

The oil dip stick, Fig. 1, can be made locally (or purchased, page 15) and is suitable for use on all compressors in any mounting position. If made locally, it can be formed from 1/8" dia. X 8-5/16" (3 mm dia x 210 mm) long stock, preferably non ferrous material which is not subject to corrosion. Notched ends are helpful in visibly detecting the oil depths.

OIL TYPE

When adding or changing oil, use only proper oil. Keep the oil storage container tightly capped at all times.

Refrigerant	Acceptable Lubricants
R-12, R-22 R-502	Mineral Oil, Zerol 150, Zerice S-68, P.O.E.
R-134a	Polyol Ester (P.O.E.) P.A.G.
Other Refrigerants	Consult Factory

The Table below shows the crankcase oil charge in fluid ounces (and ml) at various dip stick measurements for both horizontal and vertical mounts. The oil charge after the system is stabilized should be maintained with 6 fluid ounces (177 ml) minimum and 8 to 12 fluid ounces (237 to 355 ml) for best results.

OIL CHARGE vs. DIP STICK DEPTH

HEAVY DUTY & STANDARD MODELS

	Horizontal Mount	Vertical Mount	*45° Mount
6 fl. oz. (177 ml)	13/16" (21 mm)	7/8" (22 mm)	1 5/8" (41 mm)
8 fl. oz. (237 ml)	1" (25 mm)	1" (25 mm)	1 13/16" (46 mm)
10 fl. oz. (296 ml)	1-3/16" (30 mm)	1-1/8" (29 mm)	2" (51 mm)
12 fl. oz. (355 ml)	1-5/8" (41 mm)	1-7/16" (37 mm)	2 1/4" (57 mm)
14 fl. oz. (414 ml)	1-13/16" (46 mm)	1-11/16" (43 mm)	2 7/16" (62 mm)
16 fl. oz. (473 ml)	1-15/16" (49 mm)	1-7/8" (48 mm)	2 5/8" (67 mm)

SUPER COMPACT ("MINI") MODELS

	Horizontal Mount	Vertical Mount
6 fl. oz. (177 ml)	3/4" (19 mm)	1" (25 mm)
8 fl. oz. (237 ml)	1" (25 mm)	1-1/4" (32 mm)
10 fl. oz. (296 ml)	1-3/16" (30 mm)	1-1/2" (38 mm)
12 fl. oz. (355 ml)	1-7/16" (37 mm)	1-13/16" (46 mm)
14 fl. oz. (414 ml)	1-3/4" (44 mm)	2-1/16" (52 mm)

*OIL LEVEL AT 45°

Measurement up dip stick

