

Installation Instructions

Accessory Oil Safety Switch, 50 Hz and 60 Hz Part No. 30GB900121

INTRODUCTION

The oil pressure switch accessory package consists of 2 sets of components for installing this accessory on the compressor of each circuit. The switches, hardware, and fittings required for installation are in the package. For the electrical hookup, 1/4-in. quick connect terminal connectors must be field supplied. A connection diagram is included in these instructions.

PACKAGE CONTENTS

ITEM	DESCRIPTION	REQ	PART NO.
1	Switch, Oil Pressure (with gasket)	2	HK06UB006
2	Plate, Mounting	2	30GB503912
3	Screw; no. 8-32 x 3/8 in. long	4	AC41AB103
4	Nut; no. 8-32 Locking	4	AT31AB103
5	Tee	2	DD15CA045
6	Check Valve Core	2	EC39DM062
7	Cap	2	DD19CA061

Examine Package Contents — Check for damaged or missing parts. If a problem is found, file a claim with the shipping agent immediately.



ELECTRIC SHOCK HAZARD.
Open all remote disconnects before servicing this equipment.

INSTALLATION

⚠ CAUTION

Shut off ALL power to the unit and close suction and discharge service valves on ALL compressors in the unit before proceeding with the installation.

Mount Switches and Connect Capillaries —

On the compressor in each refrigerant circuit:

1. Mount switch (item 1) on plate (item 2) using furnished screws and nuts (items 3 and 4). *Be sure the furnished gasket is installed.*
2. Install plate on bottom of compressor junction box (Fig. 1), using existing hardware.
3. Carefully route capillaries from the oil pressure switch to oil pump end of the compressor. *Be sure capillaries are not damaged or kinked and cannot rub against any sharp object.* Capillaries are marked SUCTION and LUBE. Position the capillary ends close to the connection points (SUCTION and LUBE locations are shown in Fig. 1).

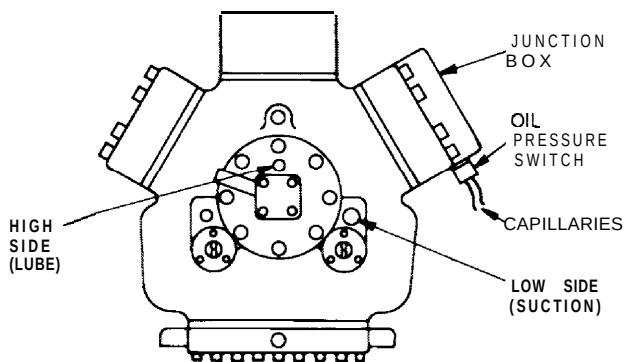


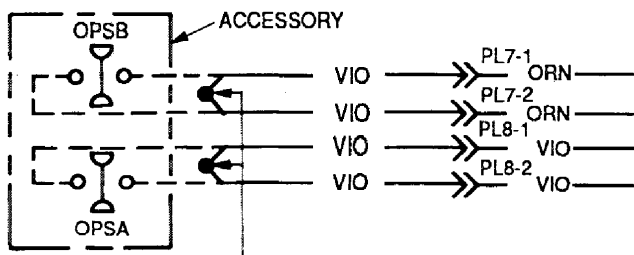
Fig. 1 — Oil Pressure Switch Capillary Connections

4. Remove refrigerant from compressor, using approved procedures,
5. Remove the Schrader valve from the oil pump end of the compressor at the point marked LUBE in Fig. 1. At the LUBE opening install tee (item 5). At the SUCTION opening remove the cap covering the Schrader valve. Remove Schrader valve core.
6. Attach the marked capillaries to the corresponding SUCTION and LUBE fittings.
7. Install check valve core (item 6) and cap (item 7) on *other* side of the tee, so that oil pressure can be easily checked, anytime.
8. Evacuate compressor and recharge with refrigerant vapor.
9. Open suction and discharge service valves.

IMPORTANT: Leak test, with soap solution, all fittings added to the compressor during this installation.

Make Electrical Connections — *Be sure ALL power to the unit is off.*

The wiring for the oil pressure switches has been preinstalled at the factory. The wires are connected with wire nuts in the compressor junction box; they must be separated and have a 1/4-in. quick connect added to the end of each wire before connecting them to the oil pressure switch. See Fig. 2.



CONNECTED WITH WIRENUTS IN COMPRESSOR JUNCTION BOX,
DISCONNECT WHEN ADDING ACCESSORY OIL PRESSURE
SWITCHES (OFS).

Fig. 2 – Wiring Connections

TESTING

To check the oil pressure switch circuit for proper operation, check during the Quick Test Mode as described in the Controls and Troubleshooting book.