



SERVICE BULLETIN

Title: 17M, P, S Oil Pressure Regulator

Models Affected: 17M, P, S

Number: C9320

Date: 12/29/93

Supersedes: New

Date:

Purpose:

To inform the field of the currently available oil pressure regulators for 17M, P, S compressors built after March 1970 and how to apply them properly.

File: Compressor

Prepared By: Ted Libera

Approved By: Alan Johnson

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Background:

There is one basic regulator which can be applied in two different configurations depending on whether or not an external high side sensing connection is used:

From March 1970 through s/n 36504, an external regulator was used that sensed the oil pressure at its inlet and relieved oil back to the sump. This maintained the pressure at its inlet at the proper differential pressure above sump pressure. This was oil regulating valve 17MA41-1822 as described in bulletin 17SB70-9. This bulletin illustrated how the new valve could be installed on an older compressor.

That regulator has been replaced by the 17MA41-2792 regulator. This regulator will operate exactly as the older regulator if installed according to its instruction sheet (see [figure 1](#)).

The external connection is equipped with a Schrader fitting.

Our instructions recommend removing this fitting and replacing it with a 1/8 pipe plug to prevent the mistaken connection of this port.

A valve ordered for a 17MA, PA, SA compressor from a machine with serial number of 36505 or higher or supplied currently on a new job is the identical valve as the 17MA41-2792 except that the internal high side sensing passage is plugged at the splitline, where the segment of the valve that contains the high side fitting joins the valve base (See [figure 2](#)). The external connection which was plugged in the older application is now used. It is connected downstream of the oil cooler and oil fil-

ter so that it maintains a constant seal supply pressure even if the filter and oil cooler pressure drops increase.

This version of the valve can be ordered from RCD under part number 17MA41-832.

The internal passage is blocked by:

Removing the roll pin that connects the passages at the splitline.

Drilling and tapping the passage in the base for 10-24 threads.

Inserting a 10-24 set screw and Loctiting it in place.

There is an adjustment on the side of each valve body just below the connection for the line to the oil reservoir (low-side connection). It is a bypass valve. Opening this valve sends oil pressure around the regulating mechanism to force the main valve open. This bypass valve should always be closed in our application. It is a good thing to check when called to a job experiencing low oil pressure. Opening this bypass will guarantee low oil pressure.

Ordering Procedure:

For 17M, P, S and 17MA, PA, SA compressors built from March 1970 through machine S/N 36504 order P/N 17MA41-2792. Also use this valve to replace external pressure regulator 17MA41-2792 installed as a field improvement.

For 17MA, PA, SA compressors with machine Serial Numbers greater than S/N 36504, order valve 17MA41-832.

INSTRUCTIONS

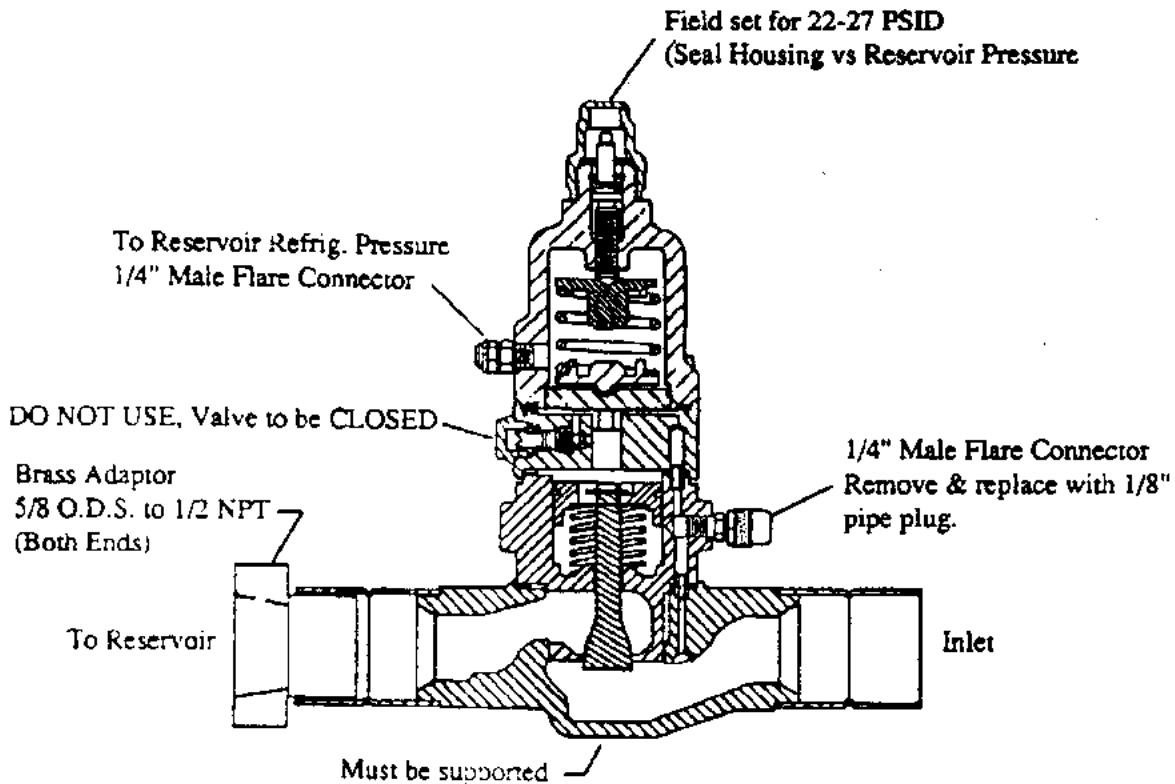
REPLACEMENT COMPONENT DIVISION

For Use With: Refrigerant Regulator
 Date: 5/21/91
 Prepared By: D. Ryder

17MA41-2792
 Part Number
 Instruction Sheet Number 99TA550128
 Rev.: A

For Use With:
 17M, P, S - 30, 40, 50, 60
 17MA, PA, SA - 30, 40
 Compressors before Serial Number 36505

The regulator provided on the original equipment is no longer available. Modification of the Parker A8AL regulator is required as indicated below.



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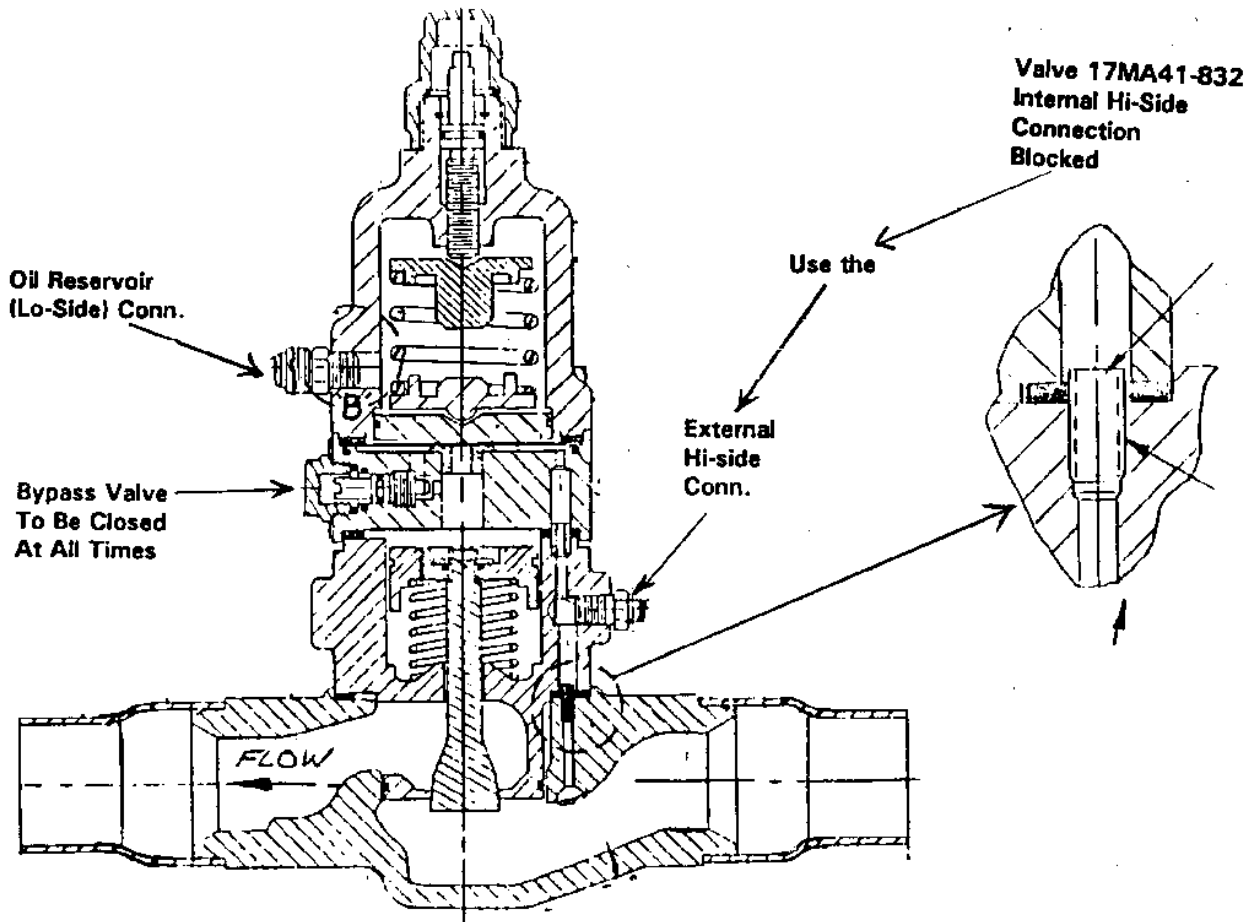


Figure 2.