

JACKS

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<u>Ref. No.</u>	<u>SPARES</u>	<u>Qty.</u>
27M 7867	Seals, piston ring	2
27M 7905	Rings, piston, Tufnol	4
27M 7906	Seal, cylinder to piston-rod	1
27M 7907	Seal, cylinder head to cylinder	1

These jacks are similar to those described in Chapter 18 of this Section, except that the piston rod is fitted with a stop to shorten the stroke and the piston has two grooves, each of which is fitted with a rubber seal and two Tufnol rings. Only one seal is fitted in the bore of the cylinder through which the piston-rod passes.

The Tufnol rings must be assembled with their gaps 180 degrees to each other. New rings must be cut in one place before assembly; to do this, place the ring flat on a board and cut with a sharp knife.

Refer to Fig. 1 of this Appendix for sectional view of the jacks.

These jacks are to be serviced in accordance with Chapter 18 of this Section except that for Item 9 substitute the following:-

<u>Item No.</u>	<u>Item</u>	<u>Operation</u>
9	Jack	<p>Test as follows:-</p> <ul style="list-style-type: none"> (a) Check that the closed length of the jack pin centre is 9.30 in., and that the stroke is between 4.798 and 4.802 in. (b) Check that the pressure required to extend the piston rod does not exceed 150 lb./sq. in. when completing the operation in 5 seconds. (c) Check that the pressure required to retract the piston rod does not exceed 215 lb./sq. in. when completing the operation in 4 seconds.

(N)

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Item No.	Item	Operation
9	Jack (Contd.)	(d) Apply fluid pressure of 3400 lb./sq. in. to each connection in turn for 3 minutes; there must be no visible leakage. Seepage past the piston rings must not exceed 10 c.c. per minute. (e) Release pressure, disconnect supply line and fit transport blanks.

(N)

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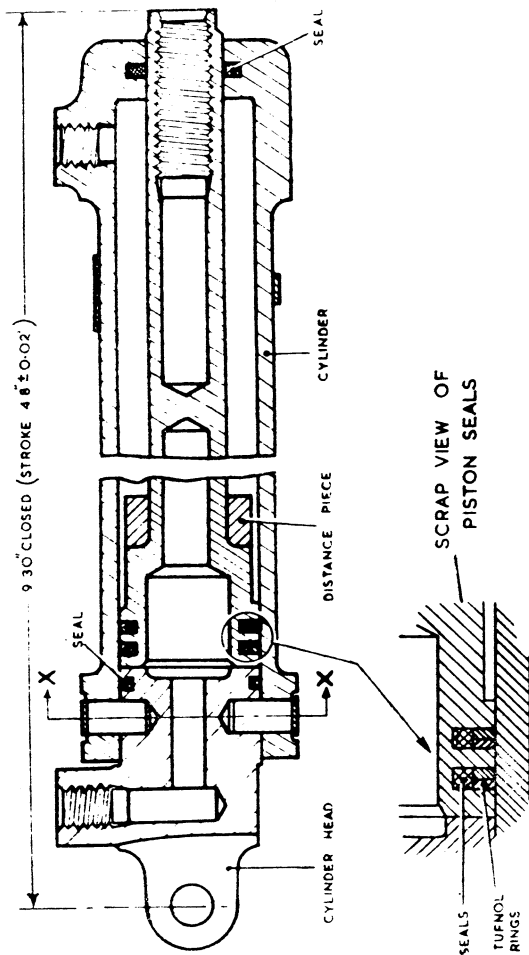


FIG. 1.