

Keep with Operator's Manual

VALVE AND PLUMBING KIT SUPPLEMENT 2409 LOADER MASSEY FERGUSON 231 TRACTOR

GENERAL INFORMATION

This kit supplements valve and plumbing kit 2-7225 for 2409 loader on Massey Ferguson 231 tractors. When mounting valve and plumbing kit on a Massey Ferguson 231 tractor, hydraulic spacer block (along with hydraulic seals and longer hardware, which are included in this kit) is required to provide clearance between solenoid and tractor casting. Follow instructions provided with valve and plumbing kit, with the exceptions noted in this supplement.

If mounting valve and plumbing kit 2-7225 onto 231S tractor, parts provided in this supplement kit are not required. Follow instructions F-3817 provided with valve and plumbing kit.



WARNING: Escaping hydraulic fluid under pressure can penetrate skin causing serious injury.

- *DO NOT use your hands to check for leaks. Use a piece of cardboard or paper to search for leaks.*
- *Stop engine and relieve pressure before connecting or disconnecting lines.*
- *Tighten all connections before starting engine or pressurizing lines.*

If any fluid is injected into skin, obtain medical attention immediately or gangrene may result.

ATTACHING VALVE TO LOADER MOUNTING BRACKET

Refer to instructions provided with valve and plumbing kit to attach valve to loader mounting bracket.

PLUMBING CONTROL VALVE TO TRACTOR HYDRAULICS (Figure 1)

Follow instructions provided with valve and plumbing kit, except in instruction 4, hydraulic spacer block (49) is to be placed between hydraulic manifold block (28) and tractor castings as outlined below. See figure 1 in these instructions for orientation of spacer block (49) and manifold block (28).

Place two 5/8" O.D. o-rings (29) into counterbores in bottom of spacer block (49) and place 3/4" O.D. o-ring (51) into counterbore in top of spacer block (49). Slide spacer block (49) with o-rings (29 & 51) onto oil line tube, making sure o-ring seals stay in place and mating surfaces of block and tractor casting are flush.

Place o-rings (29) into counterbores in bottom of hydraulic manifold block (28) and place hydraulic manifold block on top of spacer block (49), making sure o-rings stay in place and mating surfaces are flush. (Solenoid should be up slightly at rear of manifold block.) Place valve cover plate (34) on top of manifold block (28).

Fasten cover plate (34), hydraulic manifold block (28), and spacer block (49) to tractor casting using 7/16 x 3-1/4" cap screws (50) and lock washers (33). (7/16 x 2-3/4" cap screws (32) are not used.)

Proceed with instructions provided with valve and plumbing kit to complete wiring and hose routing.

PARTS LIST – VALVE AND PLUMBING KIT SUPPLEMENT

Item	Part No.	Description	Qty.
29	6000-20	O-RING, 7/16" I.D. x 5/8" O.D. x 3/32"	2
49	52614	BLOCK, Hydraulic Spacer	1
50	41838-91	SCREW, Cap, Hex Head, 7/16-14 x 3-1/4"	2
51	6000-39	O-RING, 9/16" I.D. x 3/4" O.D. x 3/32"	1

* **NOTE:** Parts not listed are included in valve and plumbing kit.

FIGURE 1
Valve and Plumbing Kit
with Supplement

