

Product: New Holland Ford Remote Control Valves Service Manual  
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# **— SERVICE MANUAL —**

## **REMOTE CONTROL VALVES**



**FORD TRACTOR DIVISION  
TRACTOR AND IMPLEMENT OPERATIONS (U.S.)  
FORD MOTOR COMPANY  
BIRMINGHAM, MICHIGAN**

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## FOREWORD

This publication describes the servicing of two Ford Remote Control Valves; the Single Spool Valve, Part No. 290207, and the Double Spool Valve, Part No. 290124.

The manual includes recommendations for disassembly, inspection, and reassembly. General operating and adjustment information is included, as required. Since the valves are similar, several service procedures have been combined. Other information is divided and deals with each valve separately.

Keep this manual in a convenient location for future reference.

SERVICE DEPARTMENT  
TRACTOR AND IMPLEMENT OPERATIONS (U. S.)  
FORD TRACTOR DIVISION  
FORD MOTOR COMPANY

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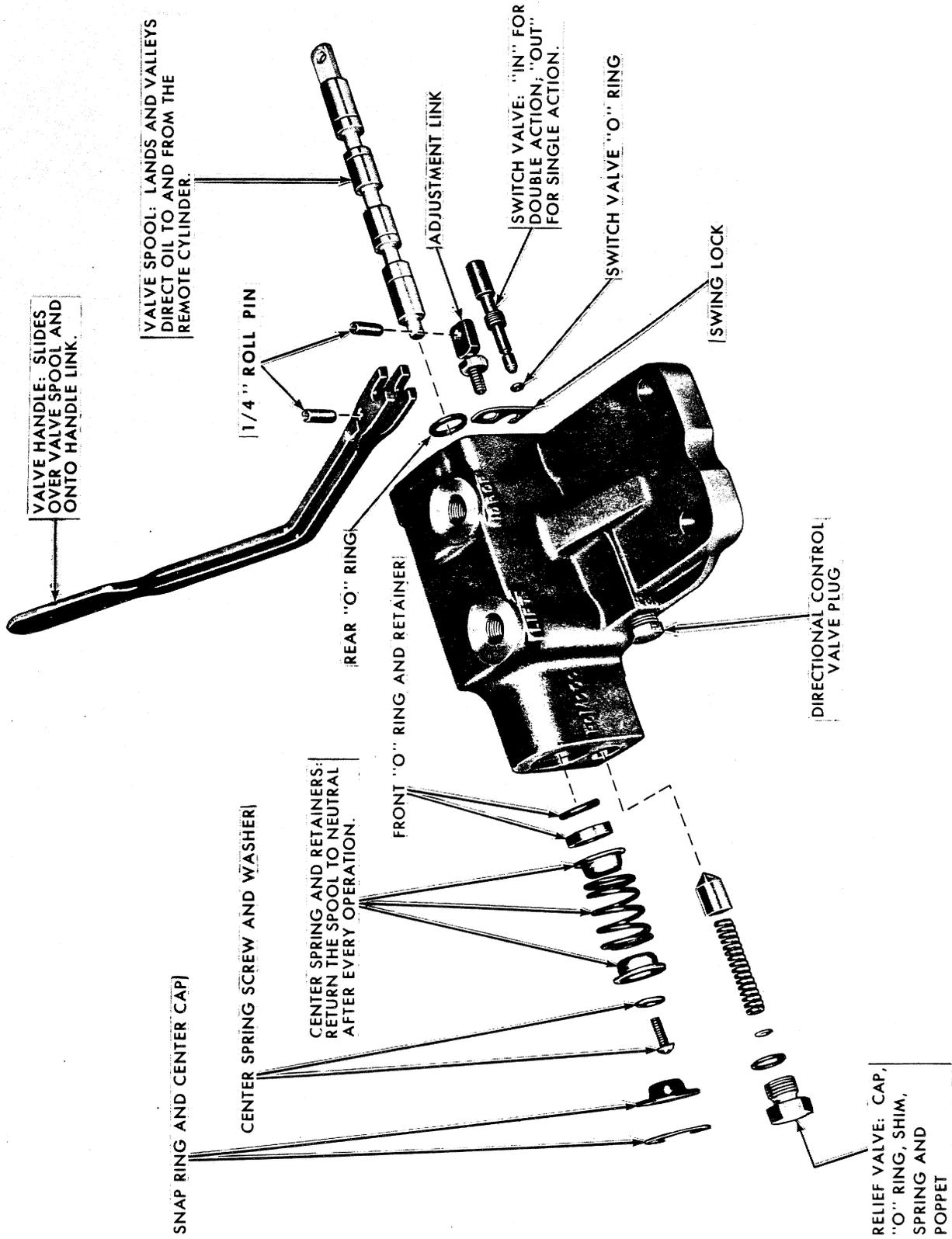


Figure 1  
Single Spool Valve Exploded

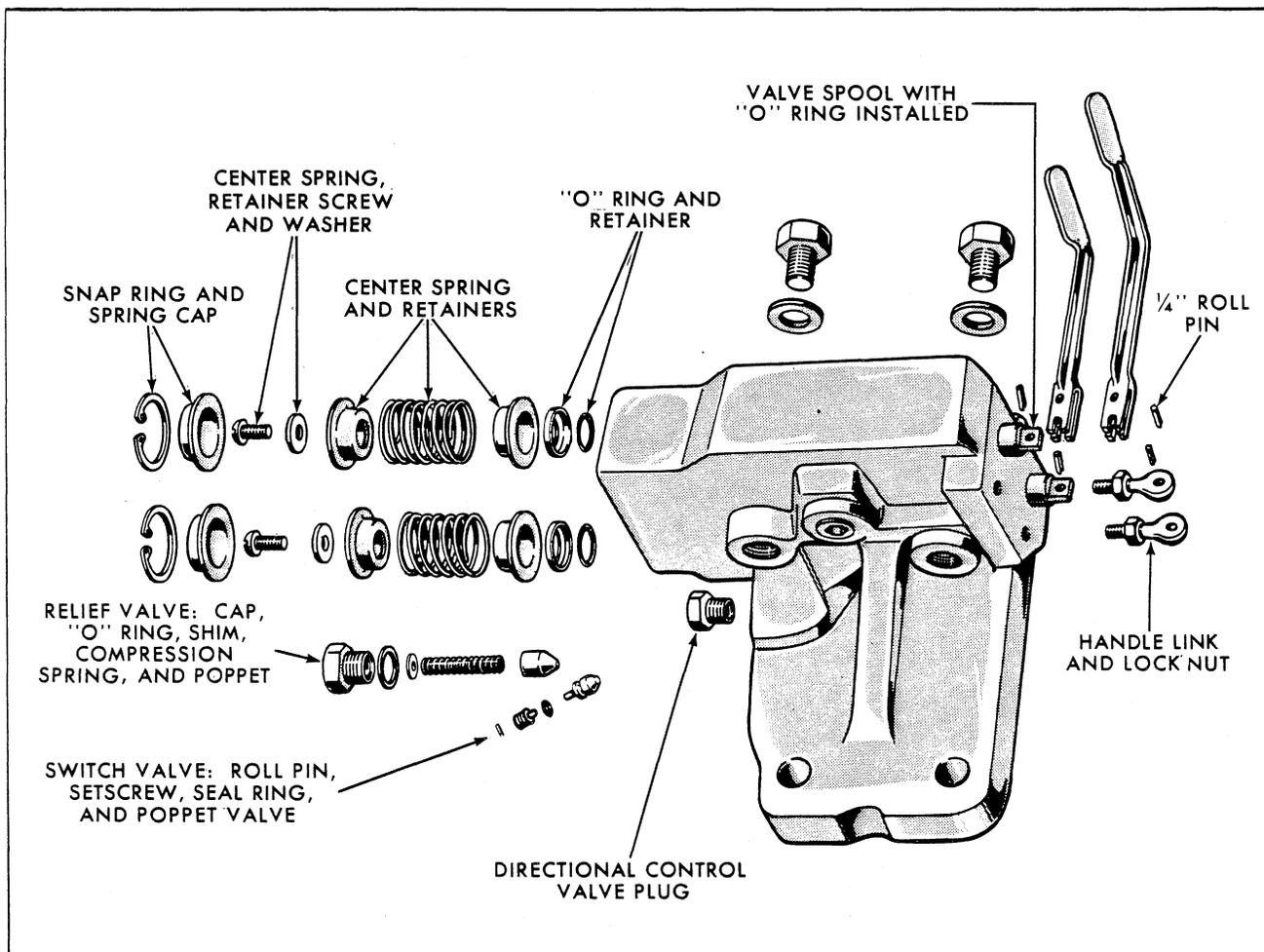


Figure 2  
Double Spool Valve Exploded

## DESCRIPTION

Both the single and the double spool valve assemblies bolt to the accessory pad of the tractor lift cover, and use oil from the tractor hydraulic system.

The single and double spool valve components are shown in Figures 1 and 2. Reference to side, top, or bottom should be interpreted in relation to the valve installed on the tractor, viewed from the tractor seat.

Only the parts shown in Figures 1 and 2 are serviceable. Defects in spools or internal parts require replacing the entire valve assembly.

## SINGLE SPOOL CONTROL VALVE

The Ford Single Spool Remote Control Valve, Part No. 290207, is designed for all Ford Tractors since the NAA, except the Series 6000. This valve can also be installed on the F.S.M. (5000 Series) and the Super Dexta (2100 Series) tractors. The valve can be used with either a double or single acting cylinder.

## DOUBLE SPOOL CONTROL VALVE

The Ford Double Spool Remote Control Valve, Part No. 290124, is designed for all Ford Tractors since the NAA, excluding the 6000 Series, and can operate single or double acting cylinders in various combinations.

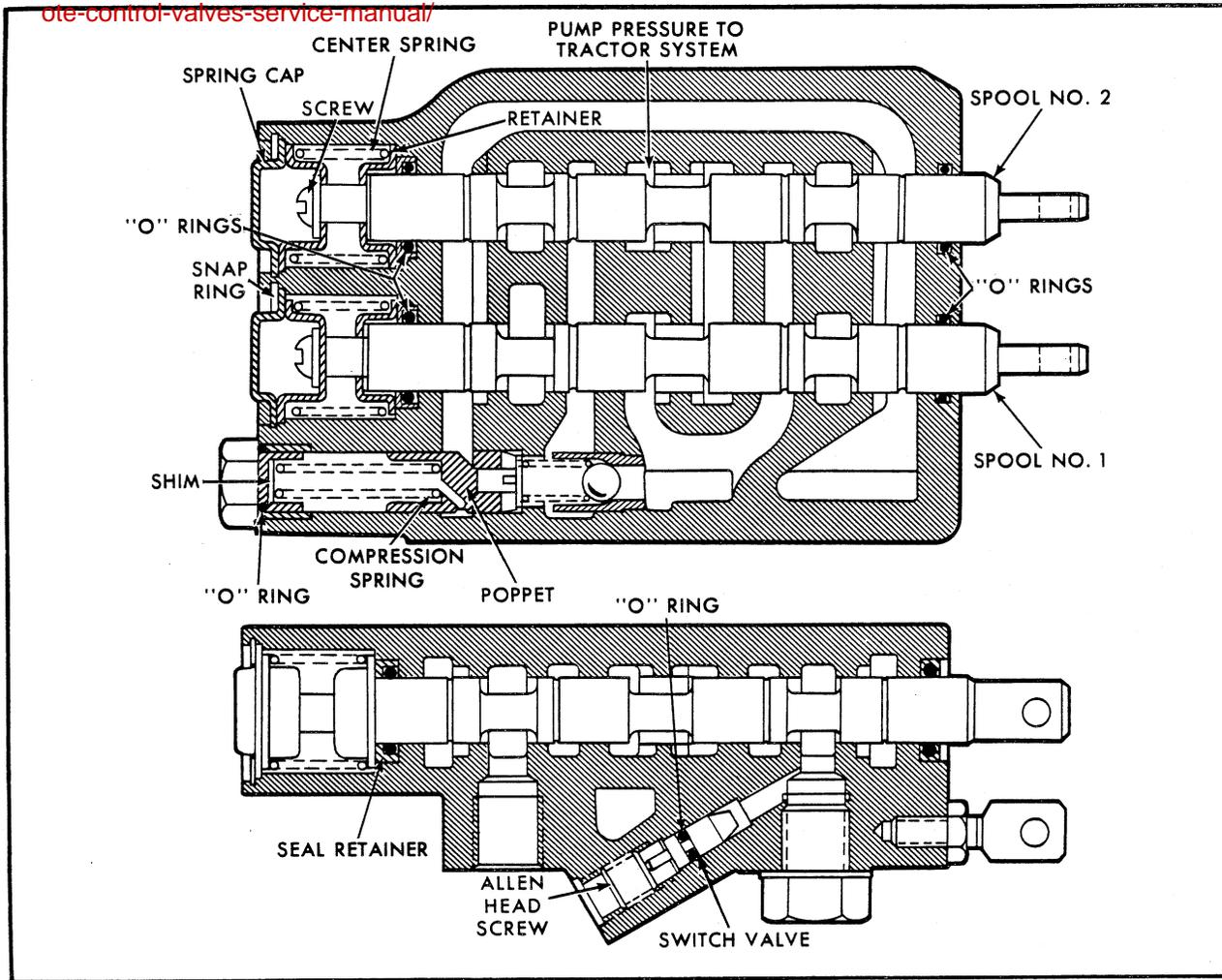


Figure 3  
 Sectional View - Double Spool Valve

## OPERATION

### DOUBLE SPOOL CONTROL VALVE

By adjusting the switch valve, Figure 3, the double spool valve can be used with four combinations of remote cylinders.

#### Cylinder Combinations

**One Single Acting Cylinder:** Turn the switch valve out with a 3/8" Allen wrench and attach the connecting hose to the left front valve port.

**One Double Acting Cylinder:** Attach both connecting hoses to the right side valve ports. These ports are controlled by the No. 2 valve spool and are double acting regardless of the switch valve setting.

**One Double and One Single Acting Cylinder:** Turn the switch valve out, and attach the single acting cylinder hose to the left front port. Connect the double acting cylinder hoses to the right side ports.

**Two Double Acting Cylinders:** Turn the switch valve in. Attach the hoses from one cylinder to the right side ports and the hoses from the other cylinder to the left side ports.

**NOTE:** When turning the switch valve in, be sure it seats. Two or three back turns are sufficient to reset the valve to the "out" position.

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