

NEW HOLLAND

40 Series

5640

6640

7740

7840

8240

8340

Tractors

REPAIR MANUAL

NEW HOLLAND AGRICULTURE

SERVICE

40564061

MidWestTech | Ford New Holland 5640, 6640, 7740, 7840, 8240, 8340 Tractor Service Manual | Publication 40564061

Order the manual at mid-west-tech.com >

HEALTH AND SAFETY

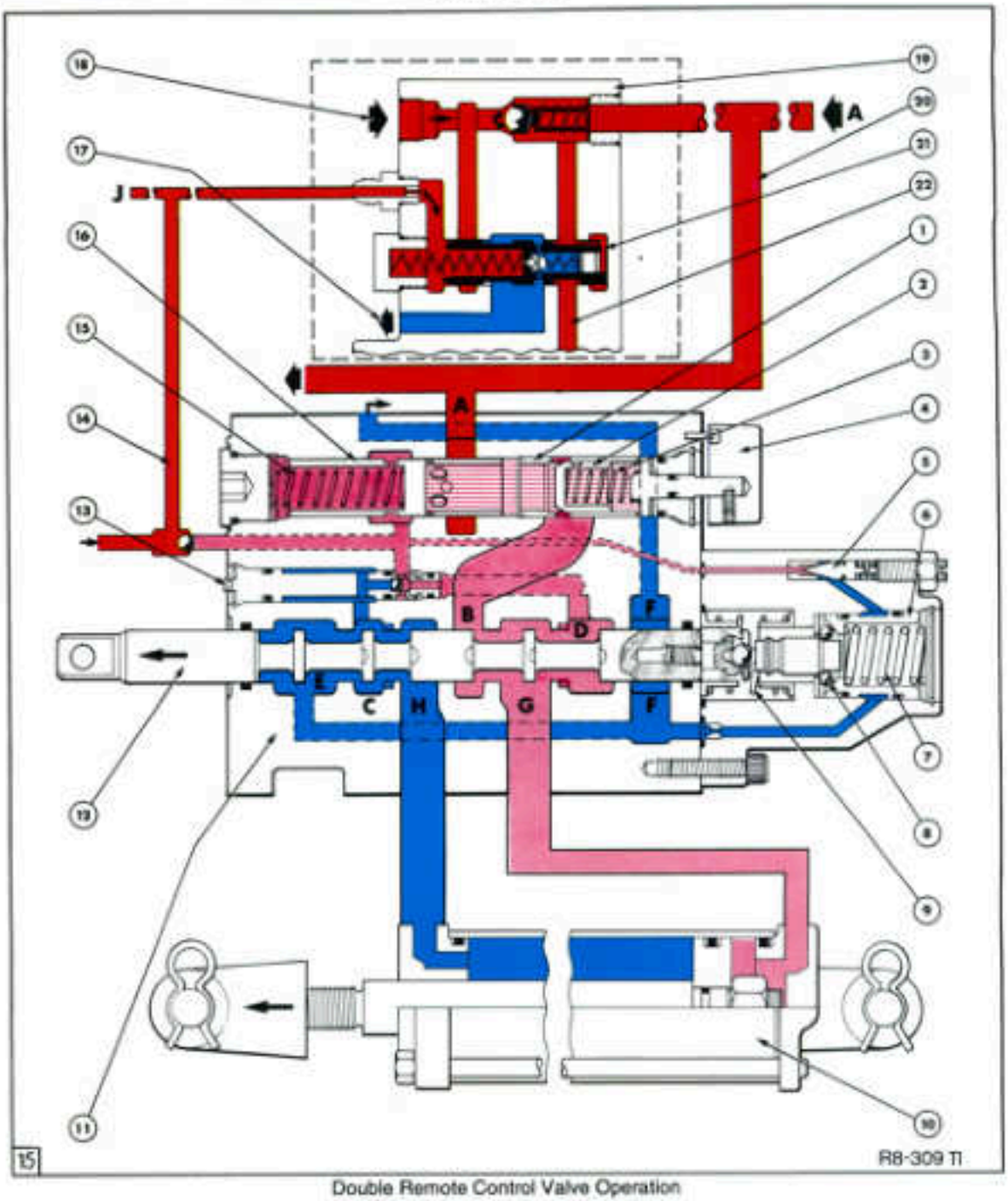
Contents	Page
HEALTH AND SAFETY	1
HEALTH AND SAFETY PRECAUTIONS	1
ADHESIVES AND SEALERS – see Fire	2
ANTIFREEZE – see Fire, Solvents e.g. Isopropanol, Ethylene Glycol, Methanol.	2
ARC WELDING – see Welding.	2
ASBESTOS – see Brake and Clutch Linings and Pads.	2
BATTERY ACIDS – see Acids and Alkalis.	2
BRAKE AND CLUTCH FLUIDS (Polyalkylene Glycols) – see Fire.	2
BRAKE AND CLUTCH LININGS AND PADS – see Legal Aspects.	2
BRAZING – see Welding.	3
CHEMICAL MATERIALS – GENERAL – see Legal Aspects.	3
DO'S	3
DO NOTS	3
CORROSION PROTECTION MATERIALS – see Solvents, Fire.	3
DUSTS	4
ELECTRIC SHOCK	4
EXHAUST FUMES	4
FIBRE INSULATION – see Dusts.	4
FIRE – see Welding, Foams, Legal Aspects.	4
FIRST AID	4
FOAMS – Polyurethane – see Fire.	5
FUELS – see Fire, Legal Aspects, Chemicals – General, Solvents.	5
GAS CYLINDERS – see Fire.	5
GENERAL WORKSHOP TOOLS AND EQUIPMENT	6
LEGAL ASPECTS	6
LUBRICANTS AND GREASES	6
PAINTS – see Solvents and Chemical Materials – General.	7
SOLDER – see Welding.	7
SOLVENTS – see Chemical Materials – General Fuels (Kerosene), Fire.	7
SUSPENDED LOADS	8
WELDING – see Fire, Electric Shock, Gas Cylinders.	8

HEALTH AND SAFETY PRECAUTIONS

Many of the procedures associated with vehicle maintenance and repair involve physical hazards or other risks to health. This section lists, alphabetically, some of these hazardous operations and the materials and equipment associated with them. The precautions necessary to avoid these hazards are identified.

The list is not exhaustive and all operations and procedures and the handling of materials, should be carried out with health and safety in mind.

MidWestTech | Ford New Holland 5640, 6640, 7740, 7840, 8240, 8340 Tractor Service Man... Order the manual at mid-west-tech.com >



Double Remote Control Valve Operation

Pump Pressure Oil | Controlled Oil Flow | Reduced Oil Flow | Exhaust Oil

1. Flow Control Restrictor
2. Load Check Valve
3. Check Valve Spring
4. Flow Control Knob
5. Detent Regulating Valve
6. Detent Spool
7. Detent Plunger and Spring
8. Detent Balls
9. Centering Spring
10. External Cylinder
11. Valve Body
12. Control Valve Spool
13. Shuttle Check Valve
14. Load Sense Line (Pilot Line)
15. Flow Control Spring
16. Flow Control Spool
17. Return to Sump*
18. Auxiliary Pump Supply*
19. Hydraulic Priority Valve Assembly*
20. Supply to Remote Valve
21. Combining (Sequencing) Valve*
22. Main Pump Supply via Combining Valve*

*Tractors with Fixed Displacement Hydraulic Pump Only

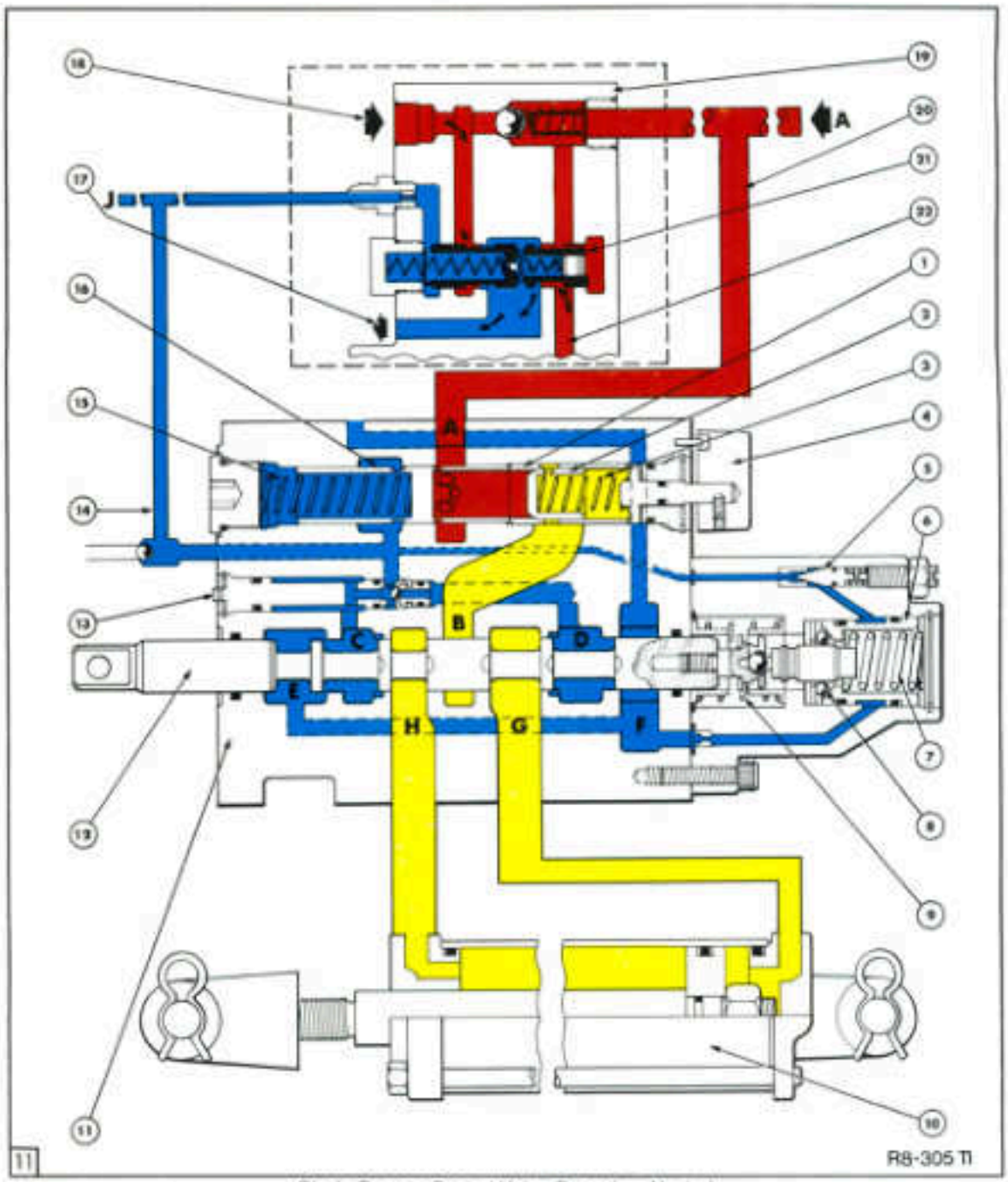
For Tractors Fitted with Variable Displacement CCLS Hydraulic Pump

A = CCLS Pump Supply

J = CCLS Pump Load Sensing Line

Printed in U.K. 12/92 © Ford New Holland Ltd

MidWestTech | Ford New Holland 5640, 6640, 7740, 7840, 8240, 8340 Tractor Ser... Order the manual at mid-west-tech.com >



Single Remote Control Valve Operation–Neutral

Pump Pressure Oil | Exhaust Oil | Trapped Oil

1. Flow Control Restrictor
2. Load Check Valve
3. Check Valve Spring
4. Flow Control Knob
5. Detent Regulating Valve
6. Detent Spool
7. Detent Plunger and Spring
8. Detent Balls
9. Centering Spring
10. External Cylinder
11. Valve Body
12. Control valve Spool
13. Shuttle Check Valve
14. Load Sense Line (Pilot Line)
15. Flow Control Spring
16. Flow Control Spool
17. Return to Sump*
18. Auxiliary Pump Supply*
19. Hydraulic Priority Valve Assembly*
20. Supply to Remote Valve
21. Combining (Sequencing) Valve*
22. Main Pump Supply via Combining Valve*

*Tractors with Fixed Displacement Hydraulic Pump Only

For Tractors Fitted with Variable Displacement CCLS Hydraulic Pump

A = CCLS Pump Supply

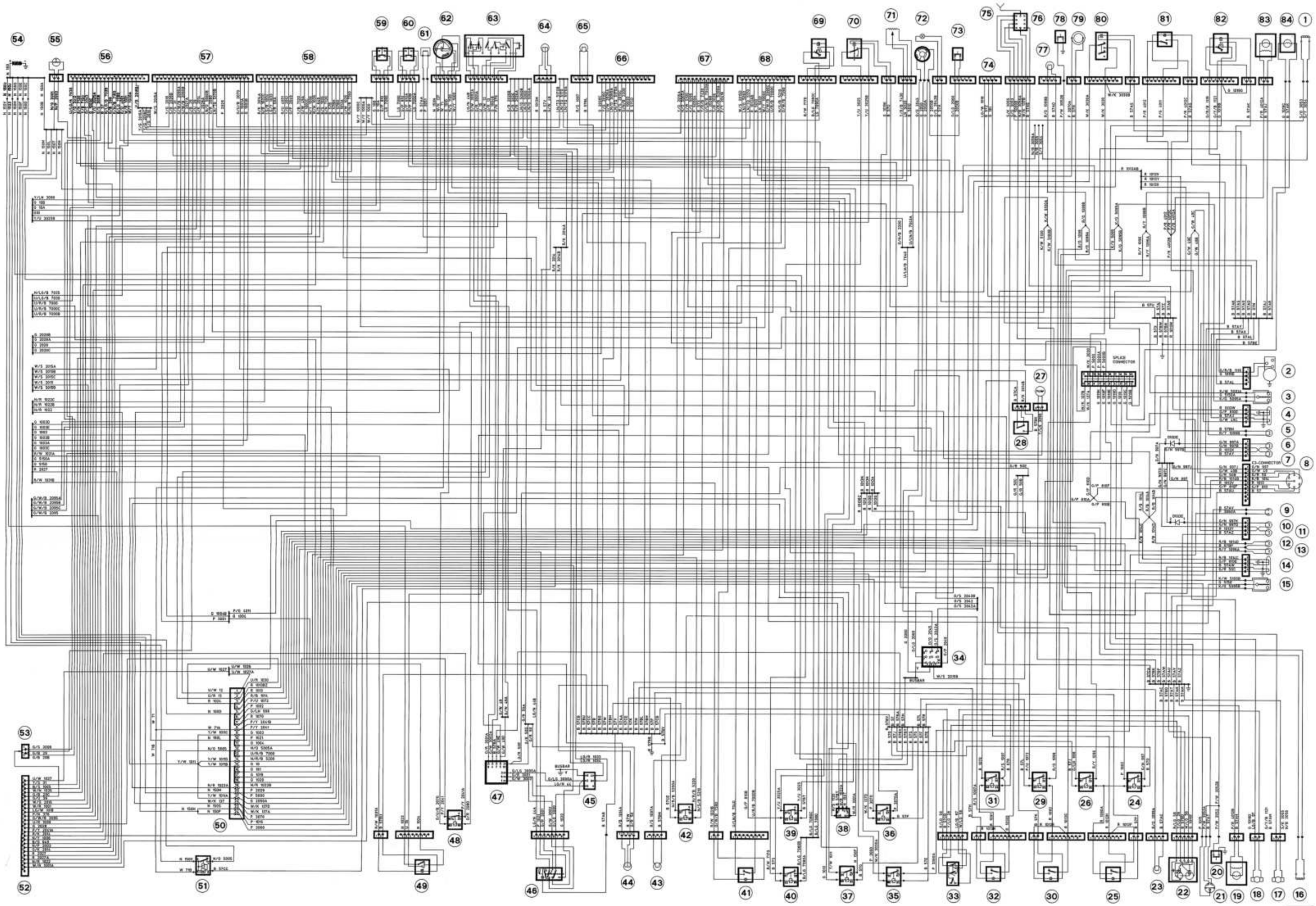
J = CCLS Pump Load Sensing Line

Printed in U.K. 12/92 © Ford New Holland Ltd

MidWestTech | Ford New Holland 5640, 6640, 7740, 7840, 8240, 8340 Tractor Ser... Order the manual at mid-west-tech.com >

SERIES 40 WIRING DIAGRAMS

SLE MODEL MAIN REAR HARNESS ASSEMBLY



Order the manual at mid-west-tech.com >