Farmall 75A
Tractors

SERVICE MANUAL

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CASE IH AGRICULTURE

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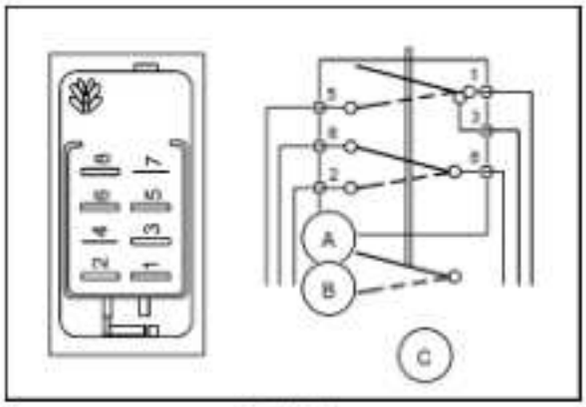
LIGHTING SYSTEM A.40.A
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Result	Possible cause	Remedy
Less/more than **13.6 - 14 V**. Battery warning light illuminated	Engine RPM low. Alternator faulty. Faulty circuit	Increase engine RPM. Repair or replace alternator. Check fusible link and wiring to battery.

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Turn/hazard light - Test Hazard light switch



A - OFF
B - ON
C - CIRCUIT DIAGRAM

Terminal Identification

Terminal ID	Function	Wire Color
1	Not Used	XX
2	**12 V** Input from #3 Fuse	R/W 1 HM 0D2
3	Not Used	XX
4	No Terminal	XX
5	Not Used	XX
6	**12 V** Output to Hazard Module	G/R 1 HM 01E
7	No Terminal	XX
8	Not Used	XX

Testing

Position	Terminal Continuity
"OFF"	6 and 8
"ON"	1 and 5 2 and 6

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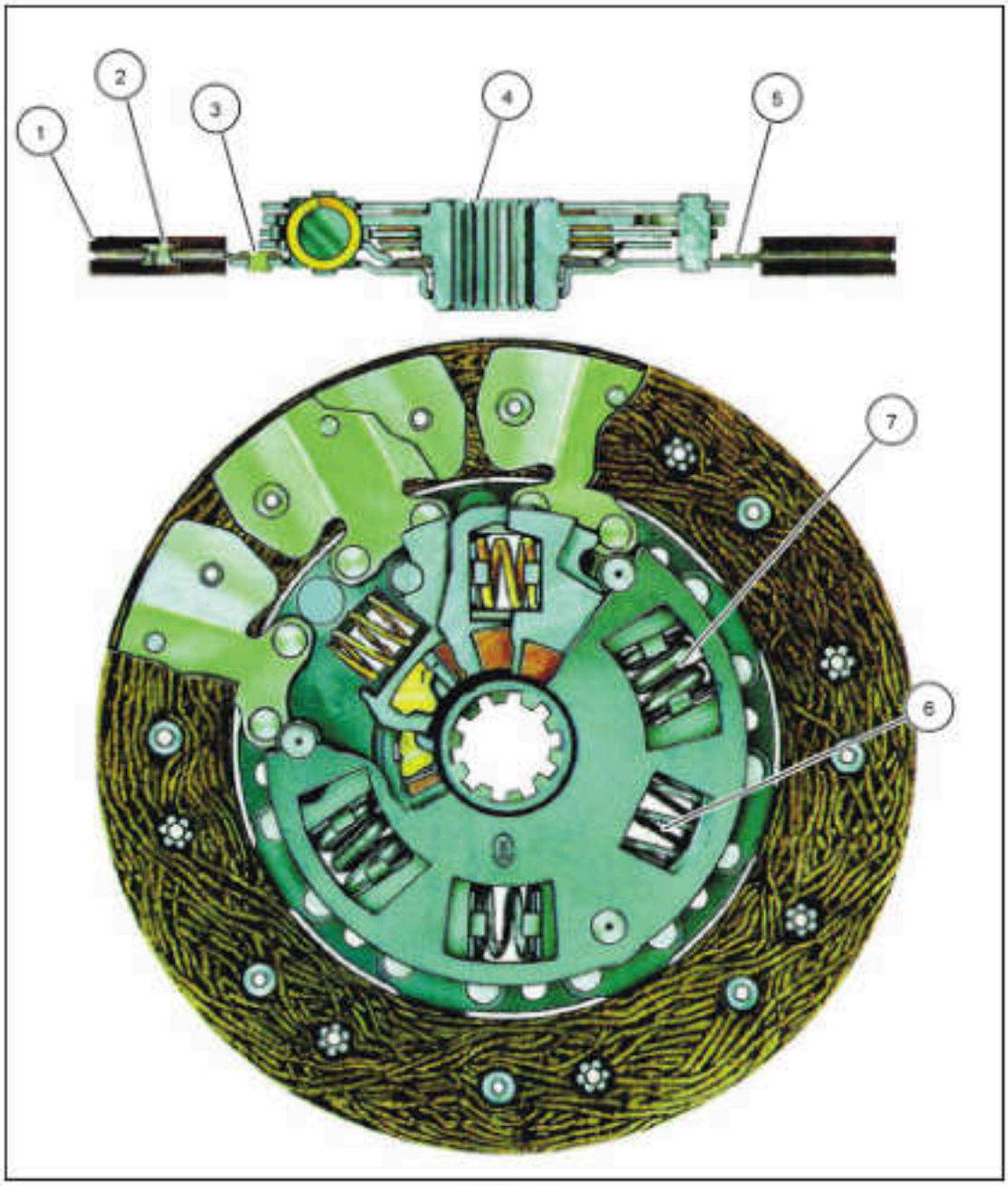
STEERING Hydraulic - General specification

DESCRIPTION

Steering System	
Type	Hydrostatic
Make	Danfoss
Hydraulic Circuit	Independent, separate pump
Oil Reservoir	Transparent plastic on right-hand side of Engine
Oil Filter	Gauze in Oil Reservoir
Hydraulic Pump	
Type	Gear
Mode	C-25
Make	Hema
Drive	From Engine Valve Gear
Rotation (seen from rear)	Clockwise (CW)
Drive Ratio	1 to 0.931
Rated Speed (at engine governed speed)	**2328 RPM**
Rated Output at Maximum Rated Speed	**26.4 l/min (6.97 US gpm)**
Test Oil Temperature	**55 - 65 °C (131 - 149 °F)**
Test Oil Viscosity	SAE 20
Drive/Driven Gear Journal Diameter	**17.400 - 17.418 mm (0.685 - 0.686 in)**
Bearing Bore Diameter	**17.450 - 17.470 mm (0.687 - 0.688 in)**
Gear Journal Clearance in Bearing	**0.032 - 0.070 mm (0.00126 - 0.00276 in)**
Maximum Wear Clearance	**0.1 mm (0.00394 in)**
Gear Clearance in Pump Body	**0.020 - 0.064 mm (0.000787 - 0.00252 in)**
Maximum Wear Clearance	**0.1 mm (0.00394 in)**
Bearing Width	**19.812 mm (0.78 in)**
Gear Width	**18.348 mm (0.722 in)**
Pump Body Width	**58.072 - 58.122 mm (2.286 - 2.288 in)**
Bearing and Gear End Clearance in Pump Body (to be restored on Overhaul)	**0.1 - 0.2 mm (0.0039 - 0.0079 in)**
Control Valve	
Control Valve	Danfoss
Type	Steering Column operated Rotary Valve (permitting steering also in of Pump Failure)
Outfit Code: • Danfoss (with Valves in Control Valve)	OSPC 1 00
Relief Valve Setting (max) for 2WD	**10997 kPa (1595 psi)**
Relief Valve Setting (max) for 4WD	**12500 kPa (1813 psi)**
Power Cylinder Overload Valve Setting	**20002 kPa (2901 psi)**
Power Cylinder	
Type	Double acting, located behind Front Axle
Make	OGNIBENE
Cylinder Bore	**48 mm (1.89 in)**
Piston Rod Diameter	**22 mm (0.866 in)**
Maximum Piston Stroke with Cylinder Make	**214 mm (8.43 in)**

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POWER COUPLING Clutch - Sectional view Clutch plate



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1. Clutch facing
2. Facing rivet
3. Segment rivet
4. Hub
5. Segment
6. Idle damper spring
7. Main damper spring

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