Service Manual

Side Engine Loadalls

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Electrical Operation and Schematics

The harness connector pin numbers are shown on the schematic. Harness connector details are shown on a separate page. ⇨ *Electrical Connectors (B3-15)*

⇨ *Fig 5. (B3-10).*

Key	
-008	Chassis Earth Point
-006	Rear Cab Earth Point
-003	Panel Earth Point
1004	Air Conditioning Switch A
1005	Air Conditioning Switch B
1025	Binary Switch A
1026	Binary Switch B
1027	Heater Fan Switch
2034	Roof Air Conditioning Fans Relay (Single relay controlled)
2057	Roof Air Conditioning Fan 1 Relay (Twin relay controlled)
2058	Roof Air Conditioning Fan 2Relay (Twin relay controlled)
3049	Air Conditioning Compressor clutch solenoid
7021	Heater Connector
7042	Roof Fan +ve A
7043	Roof Fan +ve B
7044	Roof Fan -ve A
7045	Roof Fan -ve B
8003	Chassis Harness to Engine Harness Connector
8004	Panel Harness to Chassis Harness Connector
8010	Panel Harness to Rear Cab Harness Connector
9001	Secondary Fuse Box A
9004	Secondary Fuse Box D
F	Freeze Protection Thermostat
M	Blower Motor
R	Blower Motor Resistor

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Specifications

Table 4.

Service Brakes:	
Type	Single circuit, oil-immersed multi-plate disc
Actuation	Hydraulic, servo assisted
Location	Front axle, centre mounted (2 brake packs)
	Rear axle, hub mounted (2 brake packs)
Master Cylinder:	
Type	Master cylinder with remote servo unit
No. of Cylinders	1
Stroke	25 mm (1.0 in)
Servo Unit:	
Type	Vacuum assisted hydraulic valve
Vacuum cylinder diameter	201 mm (7.9 in)
Hydraulic cylinder diameter	21.6 mm (0.85 in)
Brake vacuum pressure	0.8 - 1 bar negative (vacuum)

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Loadall Monitoring System ECU Fault Codes

Fault Code	Description	Warning Displays	Severity
L153	Left stabiliser spool neutral - disagreement	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L154	Left stabiliser spool - out of range error - low	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L155	Left stabiliser spool - out of range error - high	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L156	Right stabiliser spool neutral - disagreement	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L157	Right stabiliser spool - out of range error - low	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L158	Right stabiliser spool - out of range error - high	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L159	Ext Aux 2B sw - out of range error	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L160	Aux A AUx B sw - out of range error	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L161	Ret Aux 2A sw - out of range error	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L162	Sway isolation solenoid - open circuit	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L163	Sway isolation solenoid - short circuit to ground	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L164	Sway isolation solenoid - short circuit to battery	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L165	Switch supply - open circuit	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE
L166	Switch supply - short circuit to ground	MIL lamp activated (Amber). Message displayed on LCD. Buzzer activated for 1 second.	SERVICE

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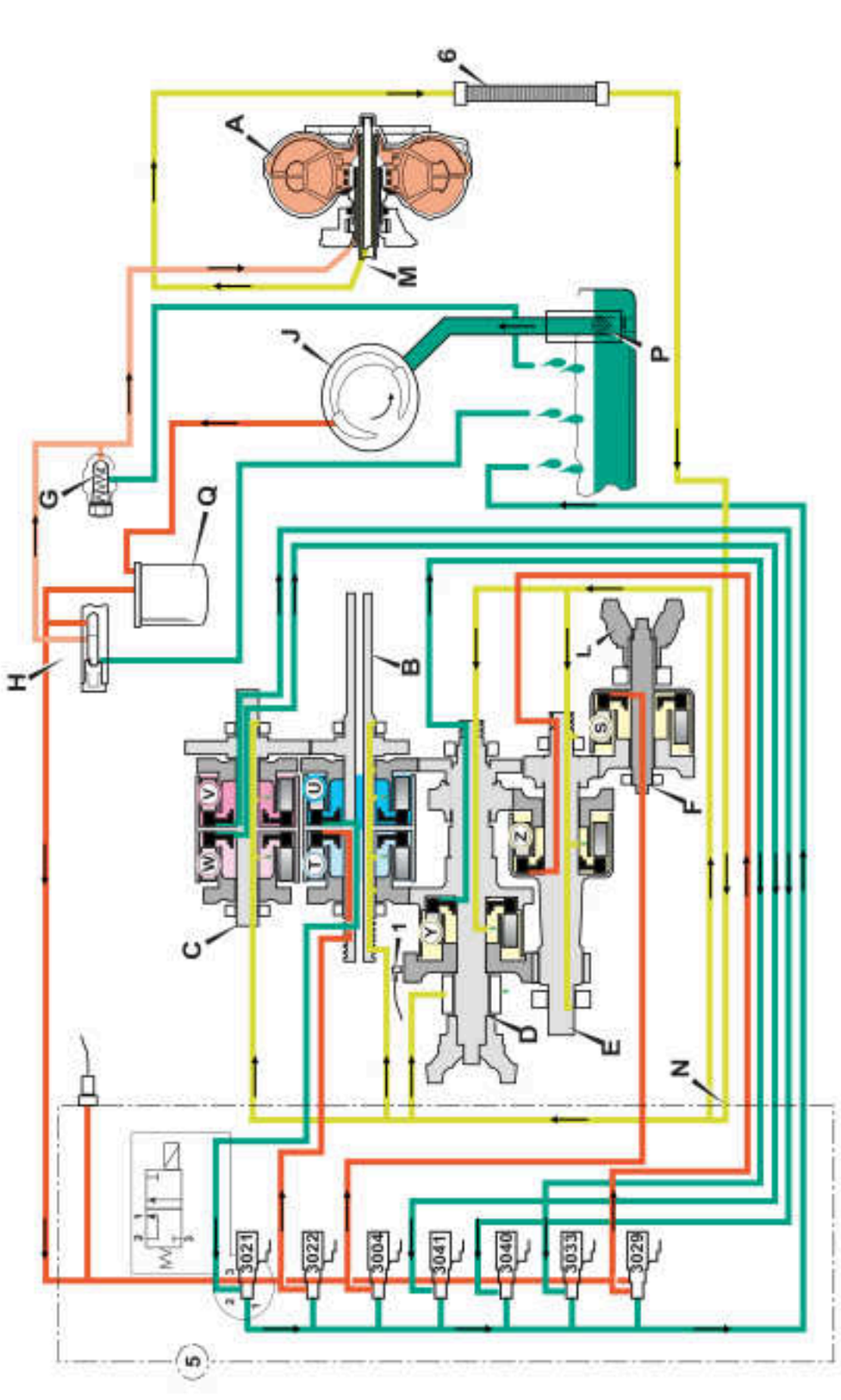


Fig 3. Hydraulic Operation

⇨ Hydraulic Operation - Key (F7-11)

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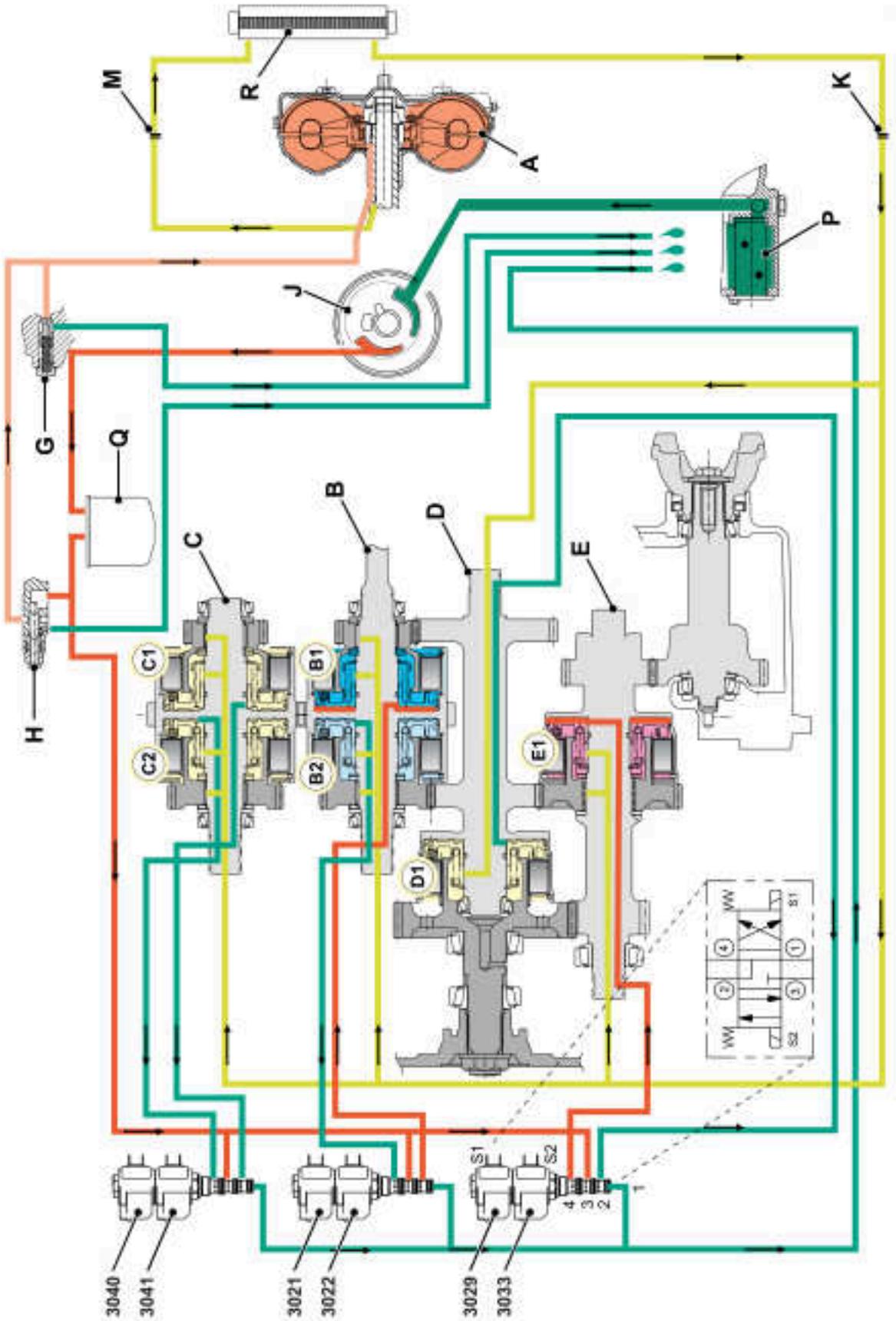


Fig 2. Hydraulic Schematic

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