FARMALL® 45C
FARMALL® 55C
Tier 4B (final)
Compact Tractor

FARMALL® 45C Cab: PIN LSMF45CCxx0010001 to LSMF45CCPH0010018
FARMALL® 45C ROPS: PIN LSMF45CRxx0010001 to LSMF45CRVH0010031
FARMALL® 55C Cab: PIN LSMF55CCxx0010001 to LSMF55CCAH0010024
FARMALL® 55C ROPS: PIN LSMF55CRxx0010001 to LSMF55CRLH0010014

SERVICE MANUAL

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CASE IH AGRICULTURE

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Hydraulic systems - Troubleshooting

Problem	Possible Cause	Correction
Relief valve operates when implement is in full raise position	HPL upper stop out of adjustment	Adjust position of upper stop
Relief valve operates when the rear remote is in detent and no attachment connected, cylinder is at end of travel, or hydraulic motor failure.	Control valve in detent.	Move the control valve to the neutral position.
Relief valve operates when the rear remote is in detent and connected cylinder is at the end of travel	Control valve in detent.	Move the control valve to the neutral position.
Relief valve operates when the rear remote is in detent and the attachment hydraulic motor is stalled.	Attachment hydraulic motor is stalled.	Rectify the reason attachment hydraulic motor is stalled.
Hydraulic noise when control valve is in neutral	Unload valve binding in valve body, creating vibration and noise.	Clean unload valve and valve body, check fit of valve in bore.

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Air-conditioning compressor - Technical Data

Farmall® 45C Tier 4B (final), Cab [LSMF45CCxx0010001 - LSMF45CCPH0010018]	
Farmall® 55C Tier 4B (final), Cab [LSMF55CCxx0010001 - LSMF55CCAH0010024]	

COMPRESSOR	
Type	Swash plate variable displacement
Displacement per revolution	**9.8 – 136 cm³/rev (1 – 8 in³/rev)**
Number of Bores	Ten
Rotation	Clockwise
REFRIGERANT	
Type	**R134A**
capacity	**700 g (25 oz)**
REFRIGERANT OIL	
Synthetic oil System Capacity	**265 mL (9 US fl oz +/- 10) PAG SP20**

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Wiring harnesses - Electrical schematic sheet 03 - ENGINE SIDE 2

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Farmall® 55C Tier 4B (final), Cab [LSMF55CCxx0010001 - LSMF55CCAH0010024]	

Type	Component	Connector / Link	Description
ECU	**A-009**	**X-051**	ENGINE CONTROL UNIT (ECU)
Sensor	**B-007**	**X-061**	RAIL PRESSURE SENSOR (RPS)
Sensor	**B-008**	**X-062**	INTAKE MANIFOLD TEMPERATURE . SENSOR (T2)
Sensor	**B-014**	**X-069**	CRANKSHAFT POSITION SENSOR (CKPS)
Sensor	**B-015**	**X-072**	WATER IN FUEL SENSOR (WIF)
Sensor	**B-016**	**X-073**	FUEL TEMPERATURE SENSOR (FTS)
Sensor	**B-020**	**X-068**	ENGINE KNOCK SENSOR
Connector	X-051	**X-051**	ENGINE CONTROL UNIT (ECU)
Connector	X-061	**X-061**	RAIL PRESSURE SENSOR (RPS)
Connector	X-062	**X-062**	INTAKE MANIFOLD TEMPERATURE SENSOR (T2)
Connector	X-068	**X-068**	ENGINE KNOCK SENSOR
Connector	X-069	**X-069**	CRANK POSITION SENSOR (CKPS)
Connector	X-072	**X-072**	WATER IN FUEL SENSOR (WIF)
Connector	X-073	**X-073**	FUEL TEMPERATURE SENSOR (FTS)
Connector	X-209A	**X-209A**	ENGINE HARNESS (EN) TO ENGINE INTERFACE HARNESS (EI)
Connector	X-209B	**X-209B**	ENGINE INTERFACE HARNESS (EI) TO ENGINE HARNESS (EN)
Connector	X-211A	**X-211A**	ENGINE SENSOR HARNESS (EH) TO ENGINE HARNESS (EN)
Connector	X-211B	**X-211B**	ENGINE HARNESS (EN) TO ENGINE SENSOR HARNESS (EH)

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Item	Description
(1)	Alternator

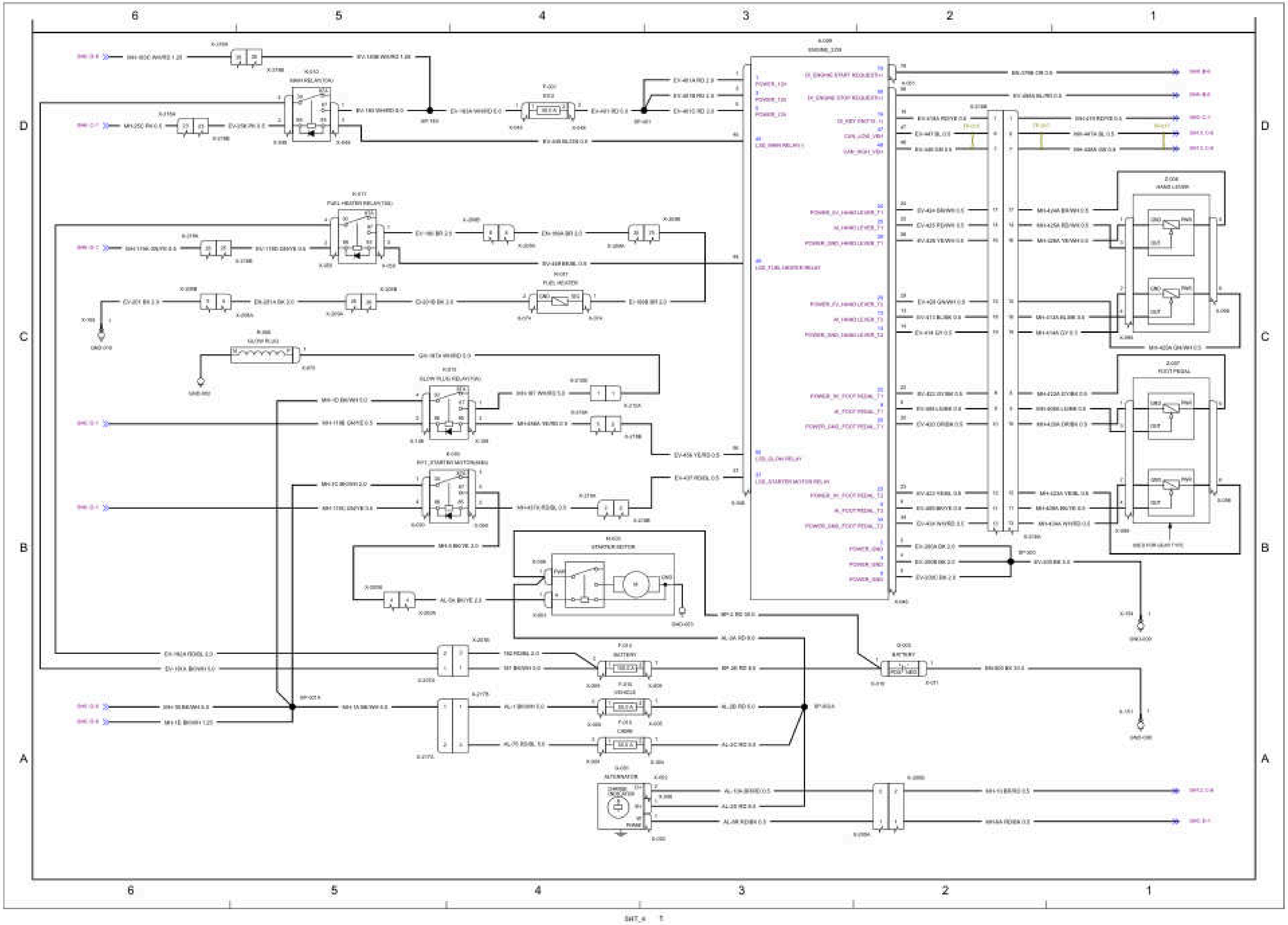
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Item	Description	Item	Description
(1)	Hydraulic Power Lift (HPL) Housing	(5)	Mid mount control valve
(2)	Hydraulic Power Lift (HPL) valve		Hydraulic suction filter
(3)	Steering/charge pump	(6)	Rear control valve
(4)	Main hydraulic pump		

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