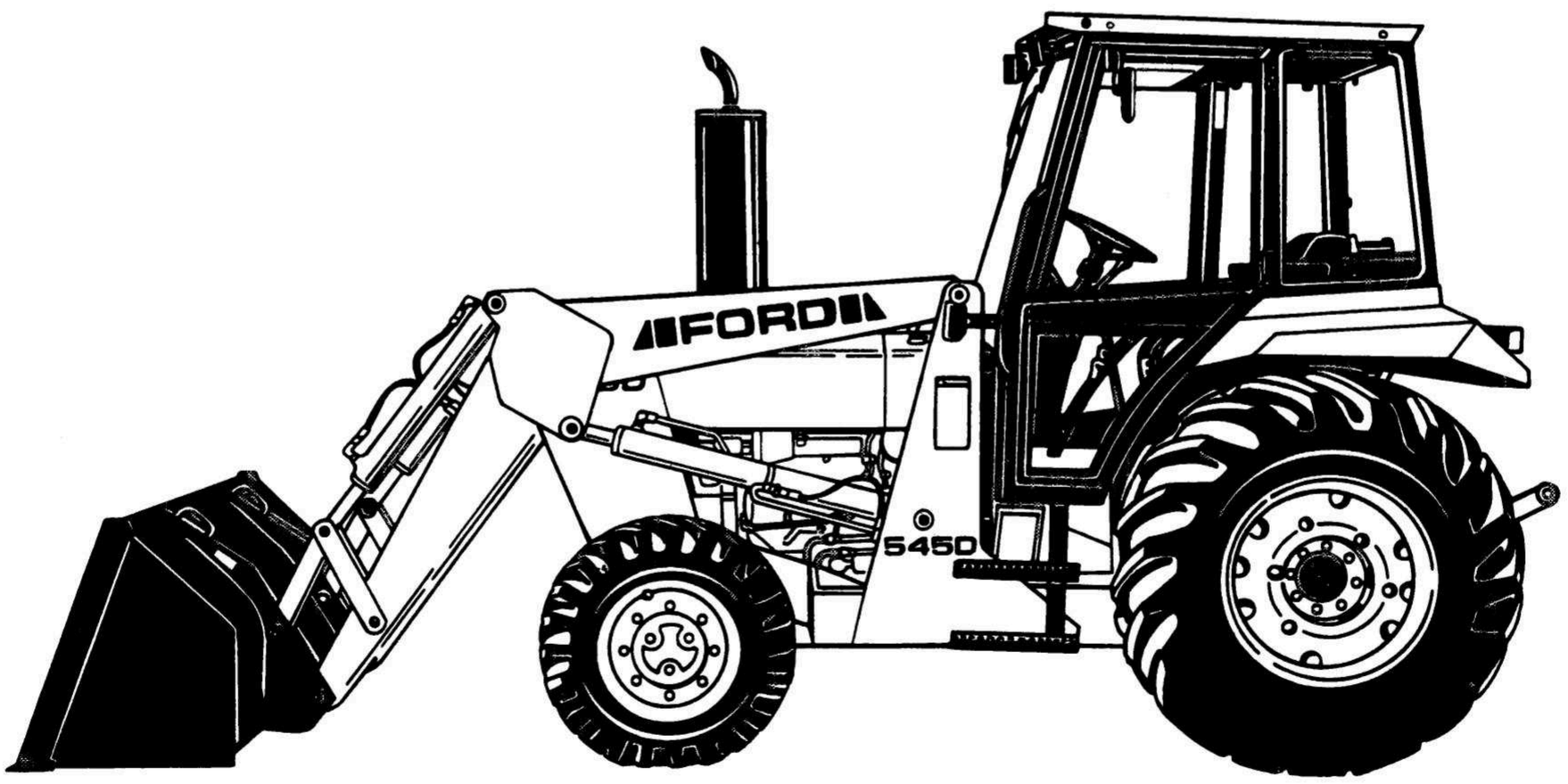
FORD

Service Manual

Tractor
250C, 260C

Tractor Loader
345D, 445D, 545D



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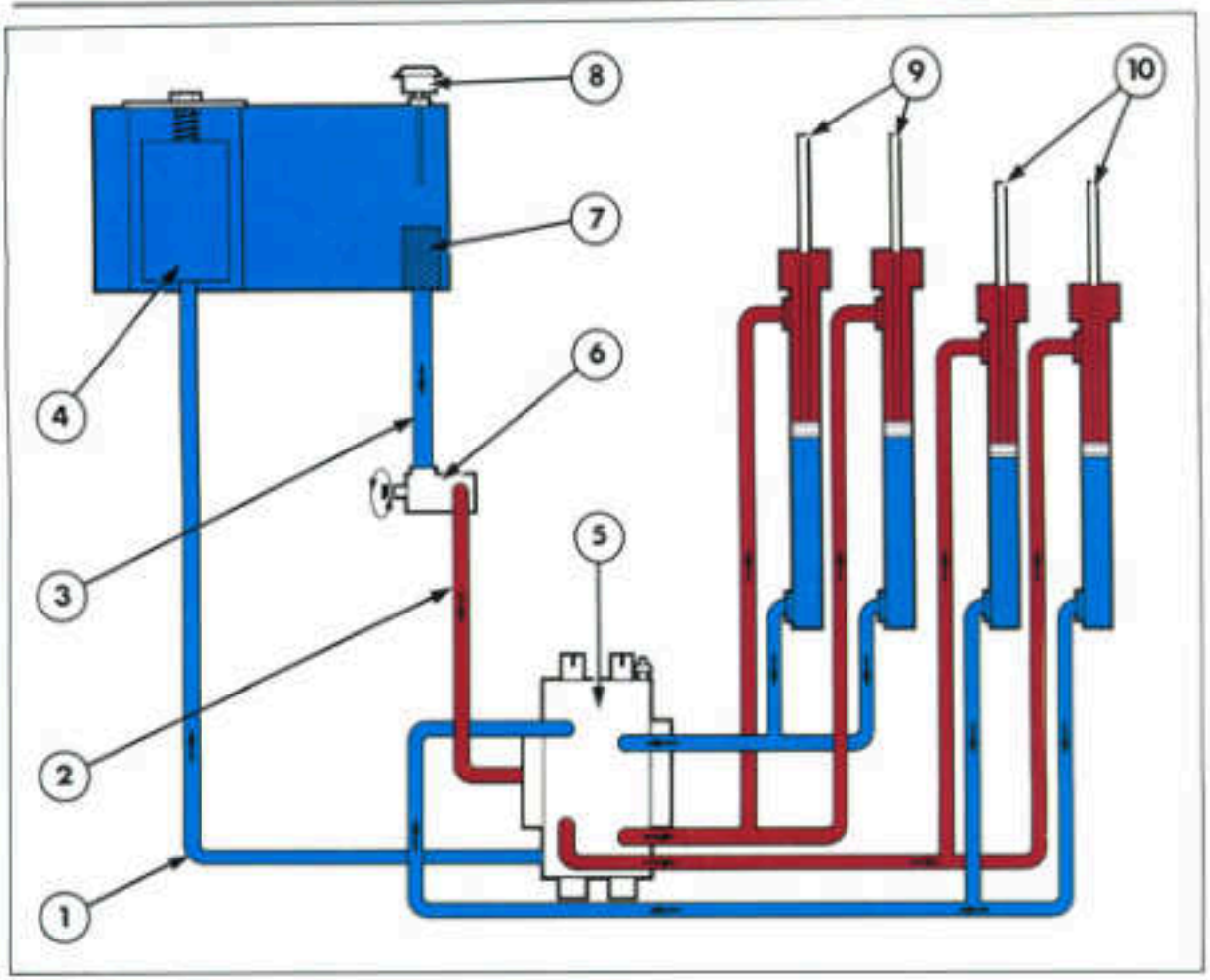


FIGURE 8-139

Loader Hydraulic Circuit - Schematic

1 Return to reservoir line
2 Hydraulic pump pressure line
3 Hydraulic pump inlet line
4 Hydraulic oil filter
5 Loader control valve
6 Hydraulic pump
7 Hydraulic pump suction screen
8 Reservoir filler cap/dipstick
9 Lift cylinders
10 Bucket cylinders

General Oil Flows

Figure 8-139 illustrates the flow of hydraulic oil through the hydraulic system.

The oil for the loader is stored in the hydraulic reservoir. Oil flows to the internally mounted hydraulic pump from the reservoir. Oil is then pumped to the loader control valve where the direction of flow is determined by the position of the valve spools. With the spools in the neutral position, the oil flows through the control valve and directly back to the reservoir. As the control lever is activated, the valve spools function to direct oil to and away from the cylinders. All oil returning from a cylinder flows through the control valve, then to the hydraulic reservoir. All return oil to the reservoir flows through the hydraulic oil filter.

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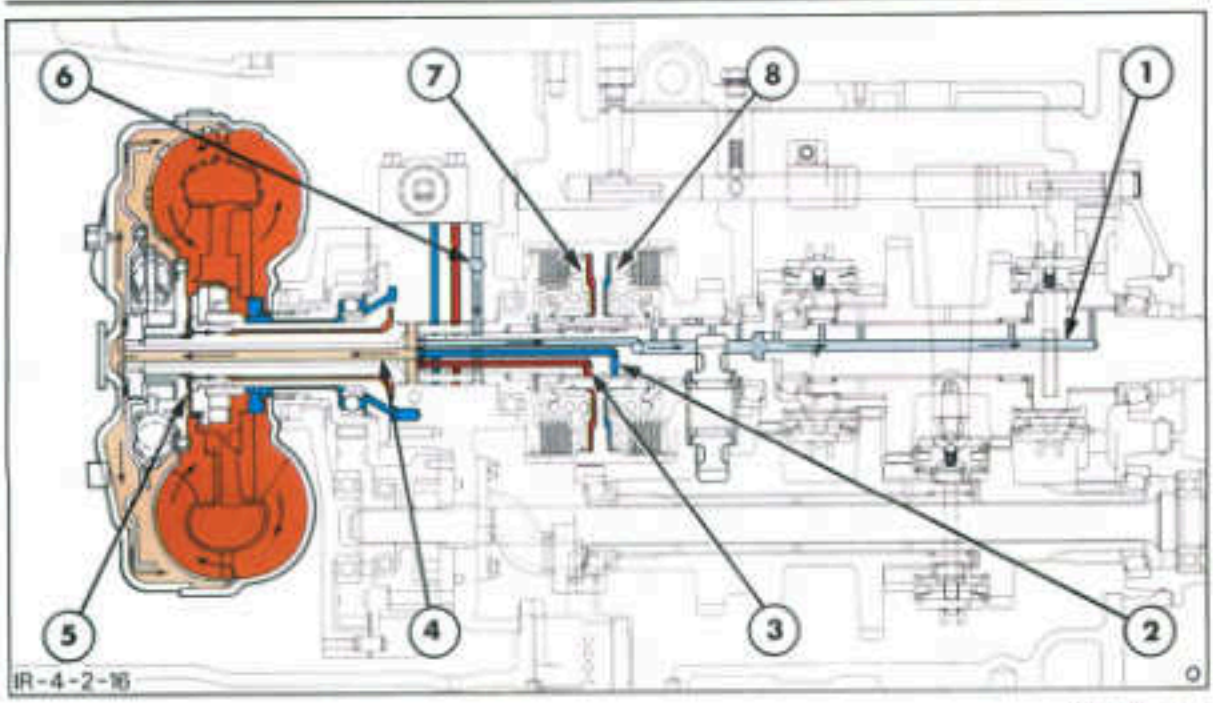


FIGURE 4-111

Transmission Lubrication Oil Flow - Normal Mode

1 Lubrication gallery
2 Reverse clutch gallery
3 Forward clutch gallery
4 Feed to torque converter
5 Return from torque converter
6 Return from oil cooler
7 Forward clutch
8 Reverse clutch

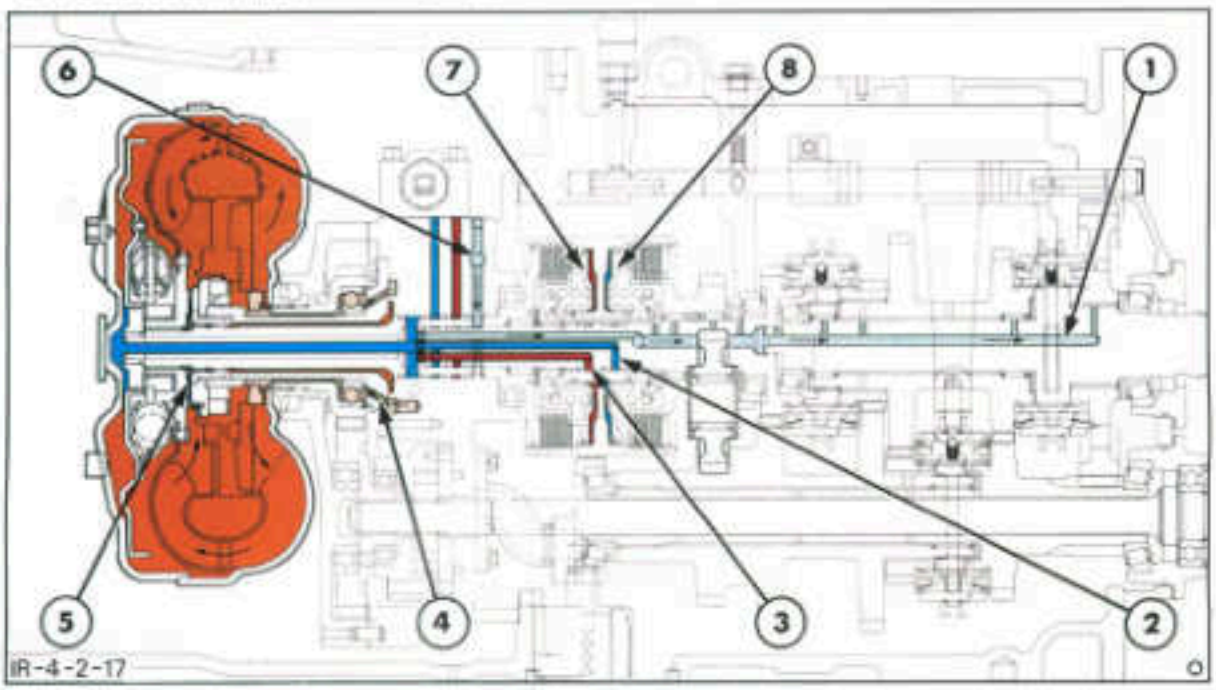


FIGURE 4-112

Transmission Lubrication Oil Flow - Lock-Up Mode

1 Lubrication gallery
2 Reverse clutch gallery
3 Forward clutch gallery
4 Feed to torque converter
5 Return from torque converter
6 Return from oil cooler
7 Forward clutch
8 Reverse clutch

Pressure Oil
Lubrication Oil
Torque Converter Pressure Oil
Reservoir and Exhaust Oil
Torque Converter Return Oil

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250C, 260C, 345D, 445D AND 545D WIRING DIAGRAM

WIRE COLOR CODE					
B	BLACK	DK GN	DARK GREEN	PK	PINK
W	WHITE	LT GN	LIGHT GREEN	GY	GRAY
R	RED	DK BL	DARK BLUE	DK BR	DARK BROWN
O	ORANGE	LT BL	LIGHT BLUE	T	TAN
Y	YELLOW	PU	PURPLE		

FIGURE 3-57

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