

NEW HOLLAND 170 HP 190 HP 210 HP 240 HP Tractors

SERVICE MANUAL

NEW HOLLAND AGRICULTURE

SERVICE

6035430100

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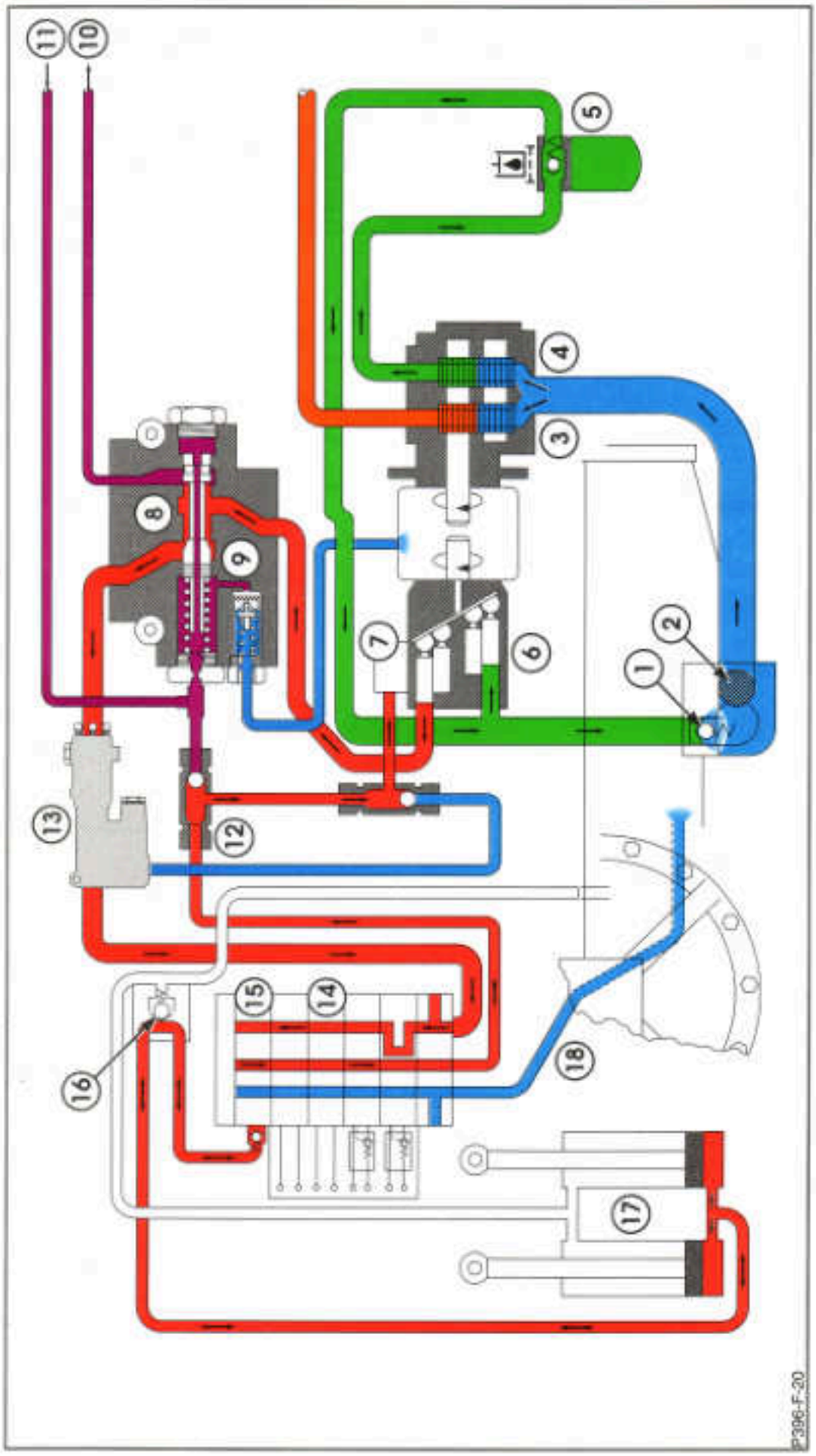
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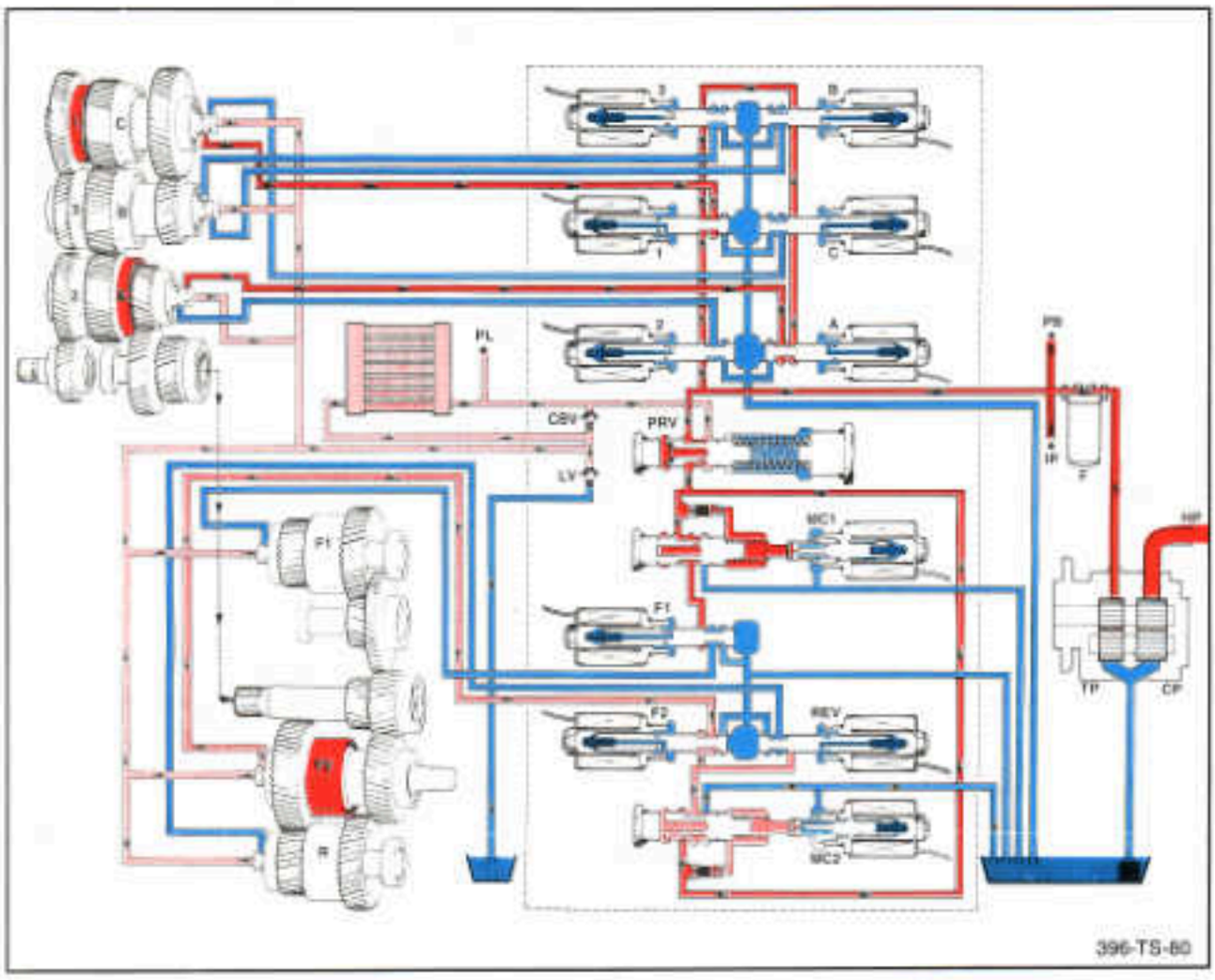


HIGH PRESSURE HYDRAULIC CIRCUIT – STEERING CIRCUIT AND HYDRAULC LIFT OPERATING

Low Pressure Circuit Oil
CCLS Pump System Pressure Oil
Steering Circuit Oil
Charge Pressure Oil
Suction/Return to Sump Oil

603.54.301.00/604.55.001.00-08-1994

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TRANSMISSION HYDRAULIC SYSTEM SCHEMATIC - SPEED F10 ENGAGING

Regulated Pressure | Reduced Pressure | Lubrication Pressure | Return to Sump

A : B: C : 1 : 2 : 3 - SPEED CLUTCHES AND SOLENOIDS
F1 : F2 : REV - DIRECTIONAL CLUTCHES & SOLENOIDS
MC1 : MC2 - MODULATING VALVES
RA - TO REAR AXLE LUBRICATION

CP - CHARGE PUMP
F - FILTER 10 MICRON
PB - TO POWER BRAKE VALVE
HP - HIGH PRESSURE SYSTEM
TP - TRANSMISSION PUMP

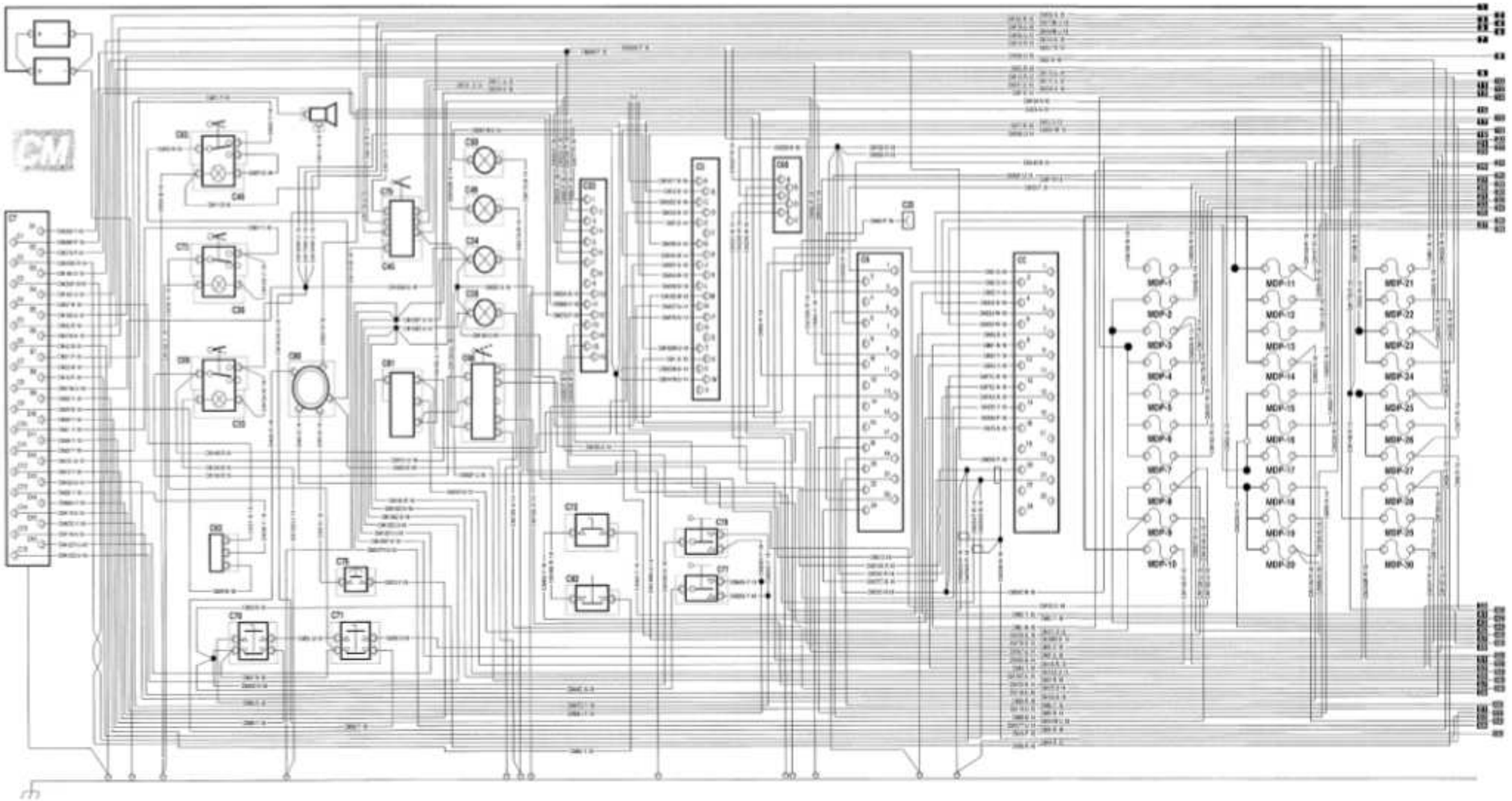
CBV - COOLER BY-PASS VALVE 7 bar
PRV - PRESSURE REGULATING VALVE
LV -LUBRICATION RELIEF VALVE
IP -TO PTO:FWD AND DIFF LOCK VALVES

Transmission pump output is directed to the transmission control valve.

The pressure regulating valve maintains an operating pressure which is fed directly to the speed clutch valves A, B, C and 1, 2, 3 solenoids open the valves during speed selection.

Operating pressure is fed to the direction al valve F1, through modulating valve MC1, and to directional valves F2 and R through modulating valves provide progressive directional clutch engagement during speed changes.

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