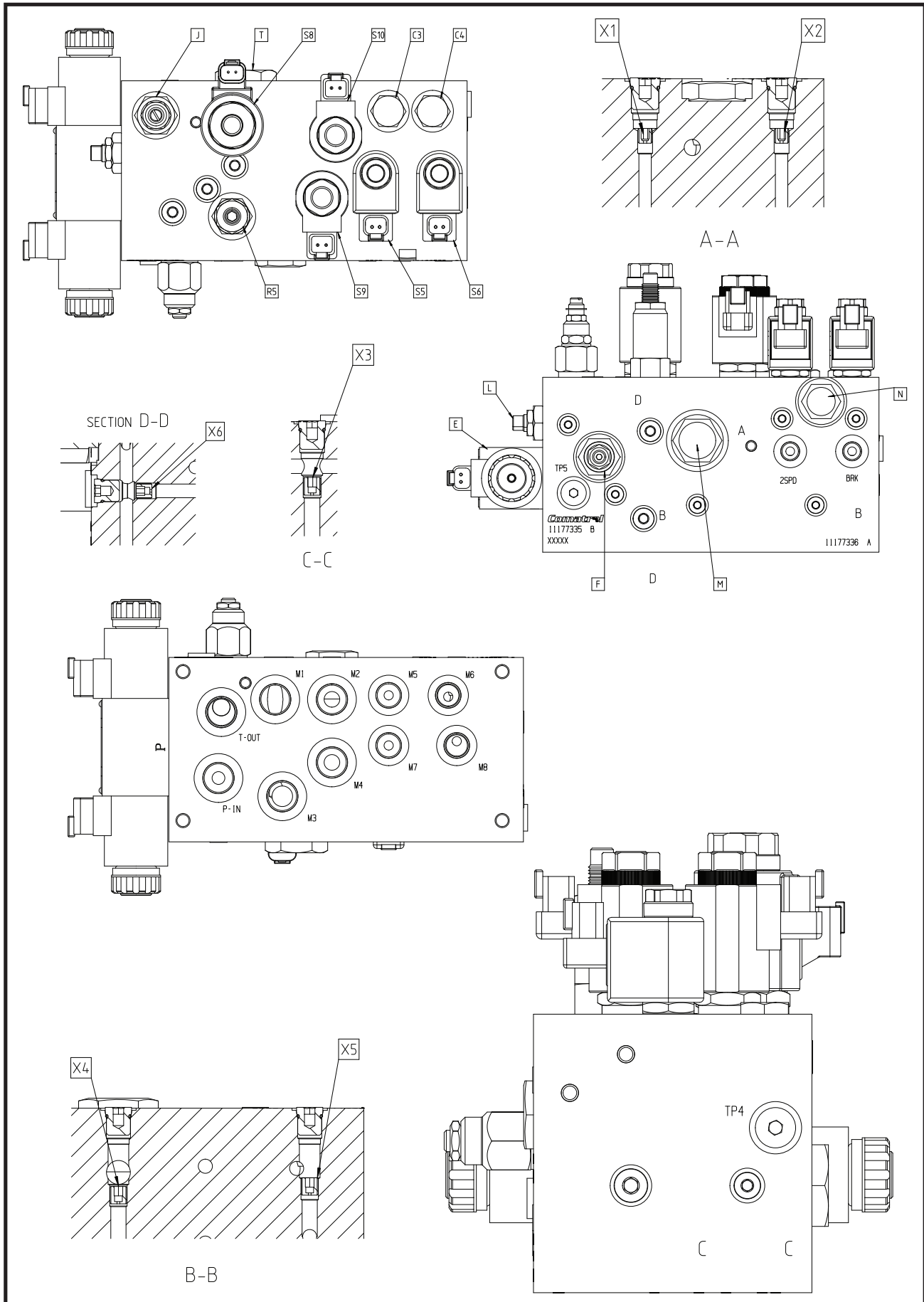
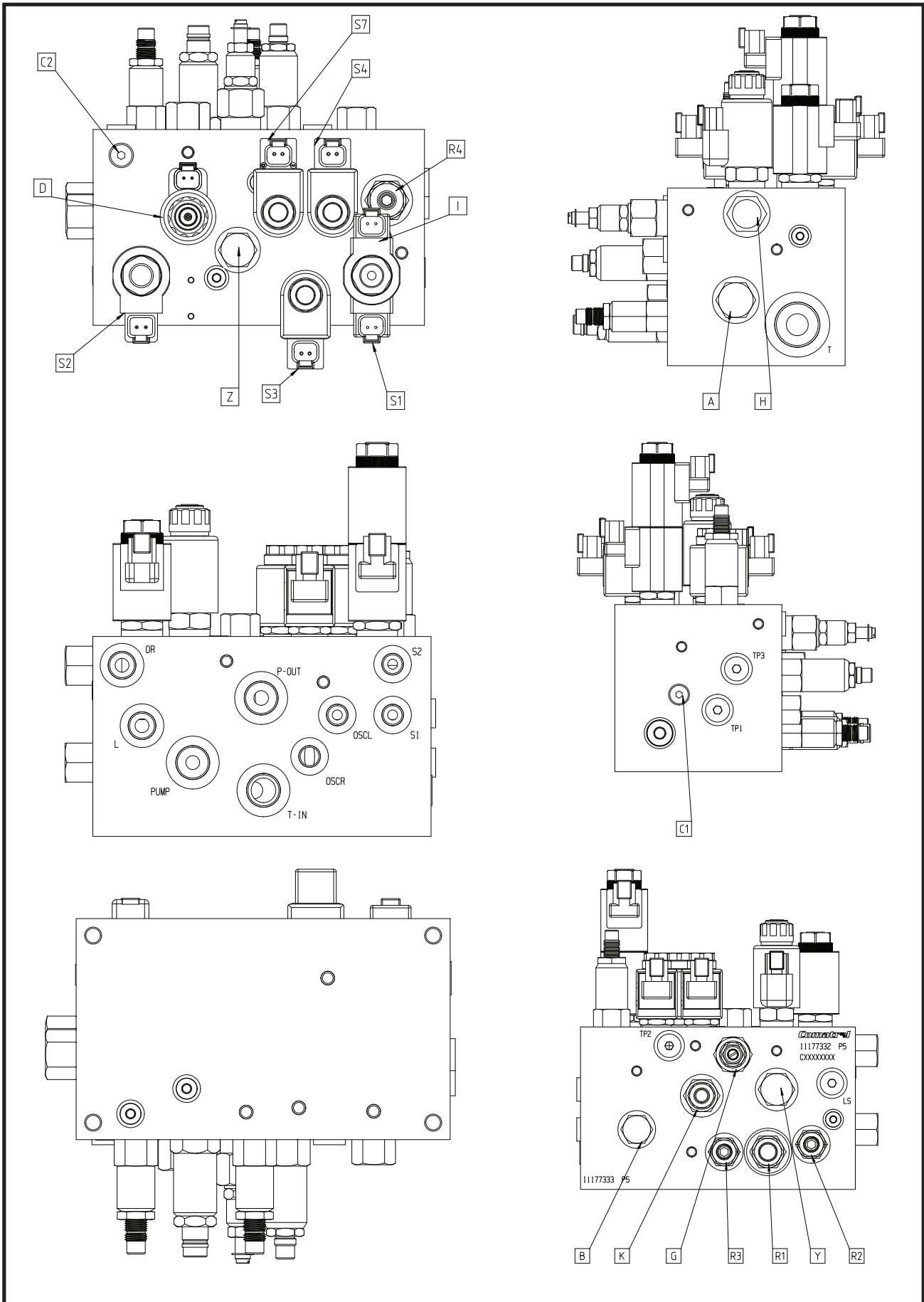


69RT Models - Drive Manifold



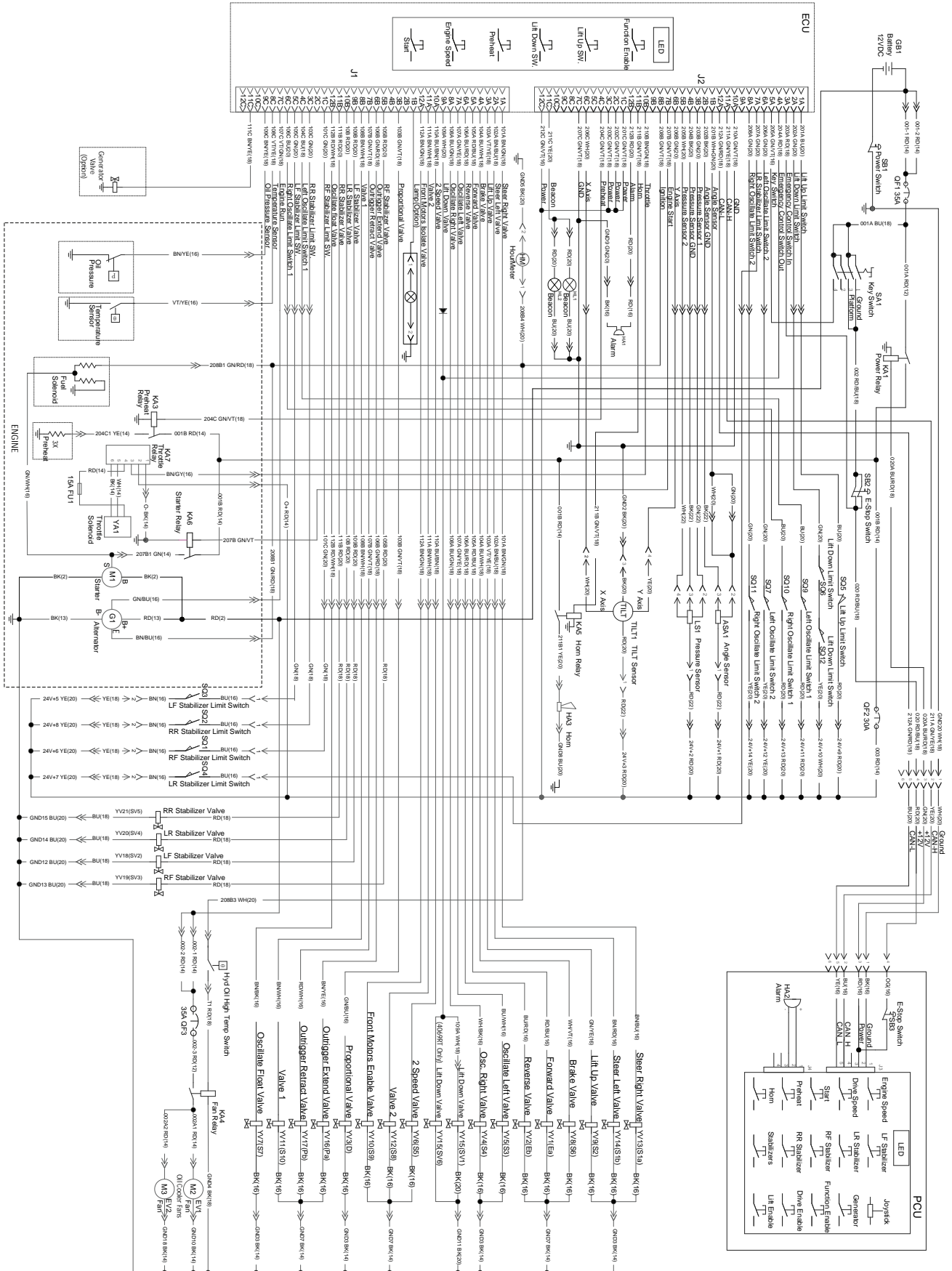
Identification	Description	Function.
T	Flow Divider/Combiner	Controls flow to Front or Rear Drive depending on wheel slip
C3	Check Valve	Prevents backflow from 2-Speed Valve
C4	Check Valve	Prevents backflow from Brake Valve
L	Variable Orifice	Allows bypass of Drive Circuit - remains closed
N	Flow Divider/Combiner	Controls flow to R or L Front Drive depending on wheel slip
M	Flow Divider/Combiner	Controls flow to R or L Rear Drive depending on wheel slip
R5	Cross Port Relief Valve	Controls pressure in Drive Circuit
E	Solenoid Valve	Controls flow to directionally to Drive Circuit
X4	Fixed Orifice	Allows controlled bypass of Valve M
X5	Fixed Orifice	Allows controlled bypass of Valve N
X1	Fixed Orifice	Controls flow to 2-Speed Shift
X2	Fixed Orifice	Controls flow to Brake Release
X3	Fixed Orifice	Allows controlled bypass of Valve T
X6	Fixed Orifice	Restricts flow to Counterbalance Valve Pilot Port
S5	Solenoid valve	Provides flow to 2-Speed Shift
S6	Solenoid Valve	Provides flow to Brake Release
S10	Solenoid Valve	Bypasses Front Drive Motors when valve S9 is energized
S9	Solenoid Valve	Stops flow to Front Drive Motors in high speed
J	Pressure Reducing	Controls pressure to Brake and 2-Speed Shift
F	Counterbalance Valve	Control downhill speed during Drive
S8	Solenoid Valve	Allows bypass of Valve T in high speed operation

69RT Models - Function Manifold



Identification	Description	Function.
C1	Check Valve	Prevents backflow to Steer Load Sense Circuit
C2	Check Valve	Prevents backflow to circuit when LS port is used
I	Shuttle Valve	Provides load sense signal to Valve A
A	Flow Compensator	Controls flow in Load Sense Circuit
R1	Relief Valve	Main System Pressure Relief
H	Flow Regulator	Reduces flow to Outriggers, Lift
R2	Relief Valve	Limits pressure to Lift Circuit
R3	Relief Valve	Limits pressure to Axle Circuit
Z	Flow Regulator	Reduces flow in Load Sense (Pilot) Circuit
R4	Cross-Port Relief Valve	Controls pressure on both Steering Circuits
B	Flow Regulator	Reduces flow to Steering Circuit
K	Sequence Valve	Limits pressure to Axle Circuit when S7 energized
S7	Solenoid Valve	Bypasses flow to Axle Circuit when elevated
S3	Solenoid Valve	Controls flow to Left Axle Cylinder
S4	Solenoid Valve	Controls flow to Right Axle Cylinder
S2	Solenoid Valve	Controls flow to Lift Cylinder
S1	Solenoid Valve	Controls flow directionally to Steer
G	Priority Flow Valve	Control flow with priority to Axle Circuit
Y	Flow Compensator	Controls flow through Valve D referencing pressure
D	Proportional Valve	Controls flow to all function

69RT Electrical Schematic



69RT Hydraulic Schematic

