

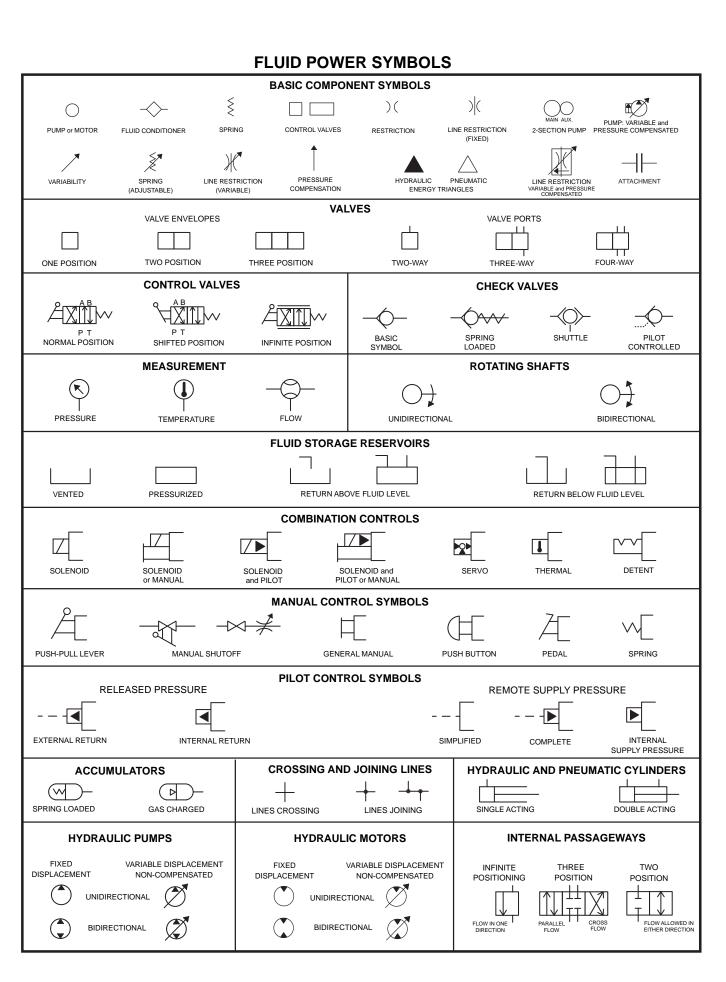
CATERPILLAR®

SENR9442 September 1996

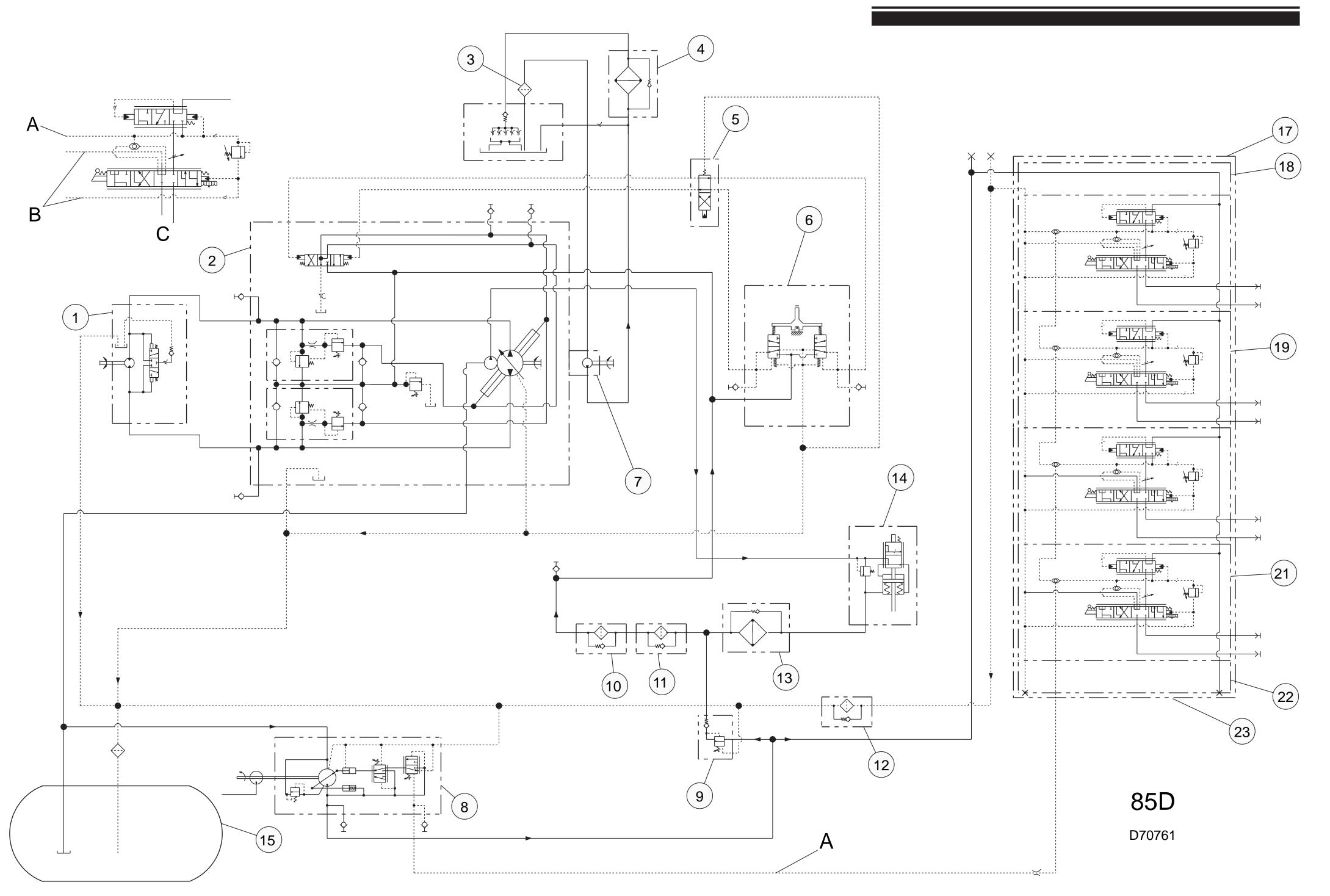
Schematic

65D, 75D and 85D Challenger Agricultural Tractors Hydraulic System

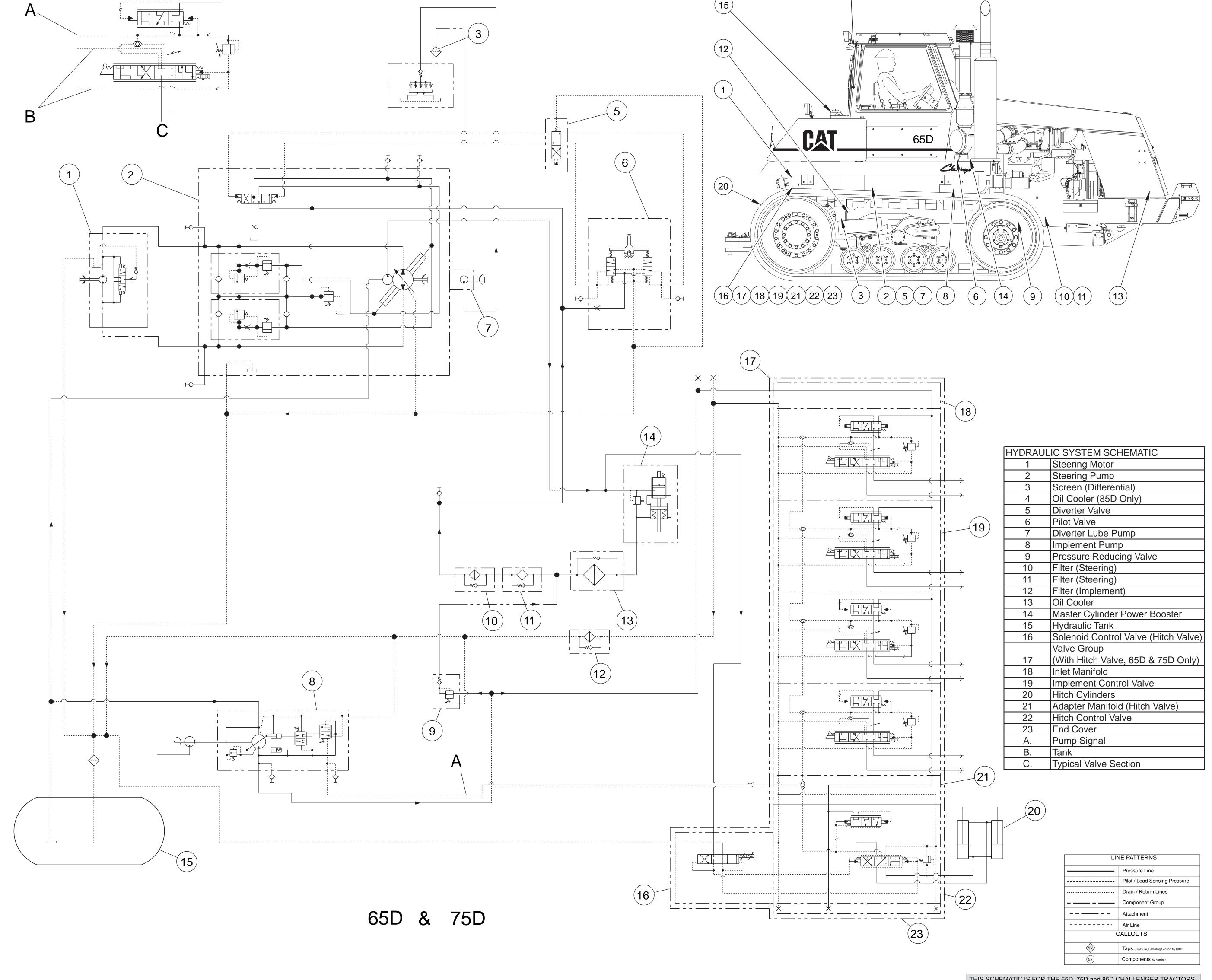
2ZJ2300-UP 4GR1-UP 5AR1-UP



©1996 Caterpillar All Rights Reserved Printed in U.S.A.



HYDRAUL	IC SYSTEM SCHEMATIC
1	Steering Motor
2	Steering Pump
3	Screen (Differential)
4	Oil Cooler (85D Only)
5	Diverter Valve
6	Pilot Valve
7	Diverter Lube Pump
8	Implement Pump
9	Pressure Reducing Valve
10	Filter (Steering)
11	Filter (Steering)
12	Filter (Implement)
13	Oil Cooler
14	Master Cylinder Power Booster
15	Hydraulic Tank
16	Solenoid Control Valve (Hitch Valve)
17	Valve Group
	(With Hitch Valve, 65D & 75D Only)
18	Inlet Manifold
19	Implement Control Valve
20	Hitch Cylinders
21	Adapter Manifold (Hitch Valve)
22	Hitch Control Valve
23	End Cover
A.	Pump Signal
B.	Tank
C.	Typical Valve Section



THIS SCHEMATIC IS FOR THE 65D, 75D and 85D CHALLENGER TRACTORS
Components are shown installed on a fully operable machine with the key and engine
off and transmission shifter in neutral.

Refer to the appropriate Service Manual for Troubleshooting, Specifications and Systems Operations