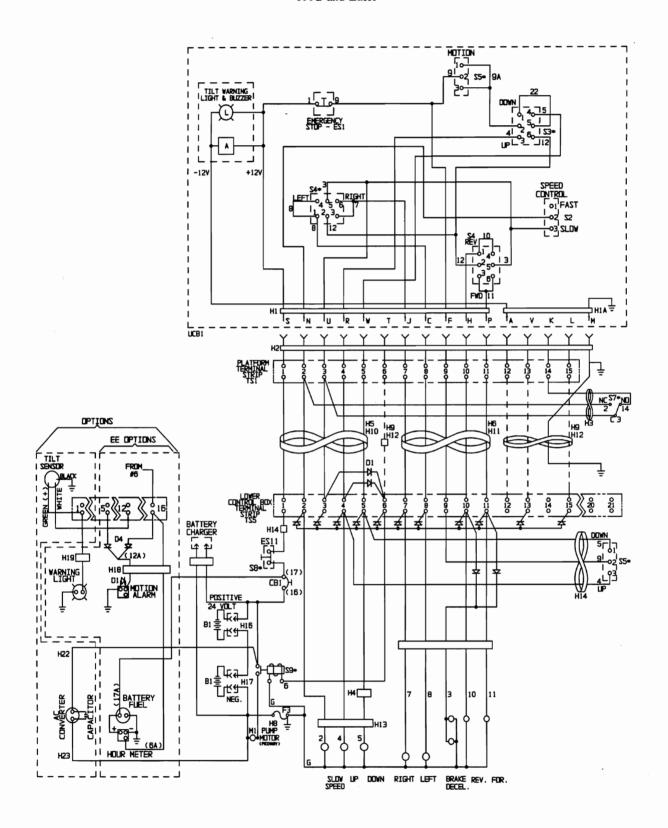
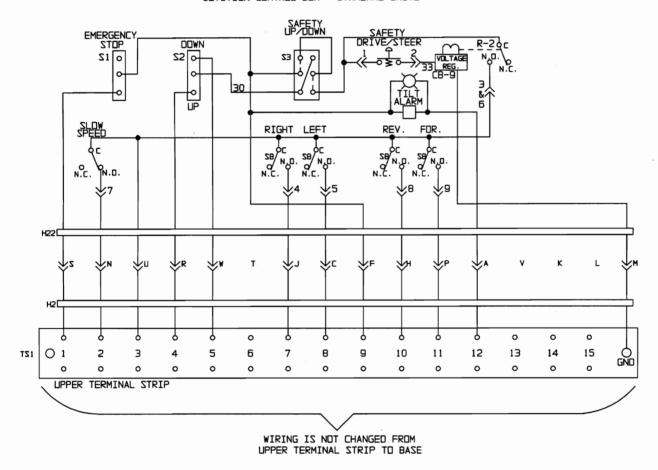


HITE-MASTER WIRING DIAGRAM Standard Series W/Motion Switch 1992 and Later



HITE-MASTER WIRING DIAGRAM Standard Series Joystick

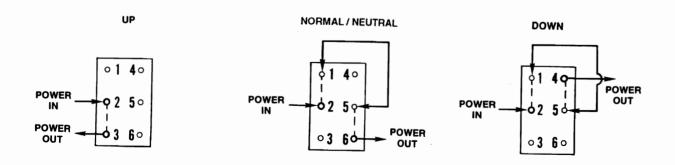
WIRING DIAGRAM JOYSTICK CONTROL BOX - STANDARD DRIVE



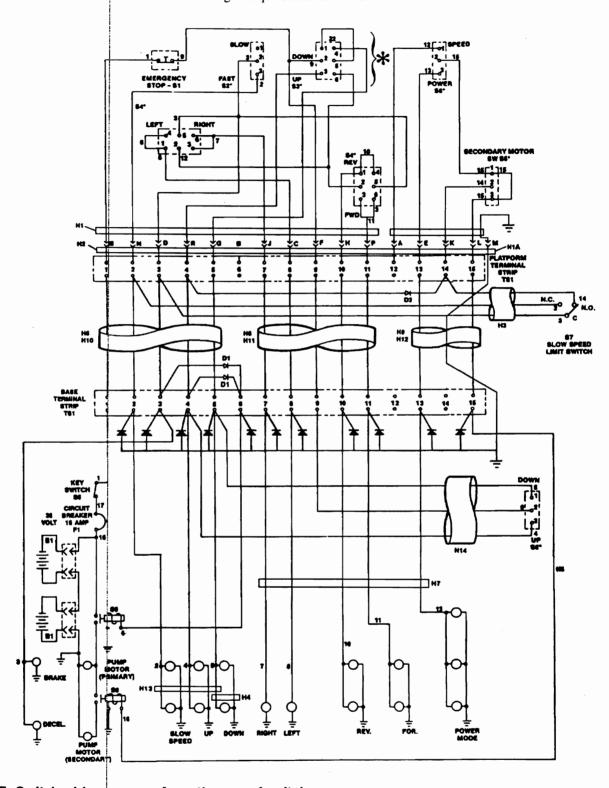
ART-198R1 BM11474

SYMBOL IDENTIFICATION FOR STANDARD SERIES

Symbol	Quantity	Part Number	Description
B1	6	5970	Battery 6 Volt
D1	11	6070	Diode Assembly 2 amp 600 volt PRV
F1	1	7235	15 amp Circuit Breaker
F2	1	7275	20 amp Fuse
H1	1	5982	Harness Control Box Pre-1992
	1	7657	Harness Control Box After 1-1-1992
H2	1	5983	Harness to Control Box Pre-1992
	1	7656	Harness to Control Box After 1-1-1992
H3	1	7070	Harness Limit Switch
H4	1	6787	Harness Down Valve
H5	1	6739	Beam Harness 19ft. #1-#5
Н6	1	6740	Beam Harness 19ft. #7-#11
H7	1	6805	Harness Component Tray
H8	1	6809	Harness Crossover
H9	1	6742	Beam Harness 25ft. #1-#5
H10	1	6743	Beam Harness 25ft. #7-#11
H11	1	6741	Beam Harness 19ft. #12-#15
H12	1	6744	Beam Harness 25ft. #12-#15
H14	1	6764	Harness Component Tray
S1	1	7800	Emergency Stop Switch
S2	1	5630	Switch, Slow / Fast
S3	1	5979	Switch, Up / Down
S4	2	5694	Switch, Steering, Forward / Reverse
S5	1	5230	Switch, Lower Control Panel Up / Down
S7	1	6715	Switch, Slow Speed Limit
S8	1	5936	Key Switch with Keys
	Service	6117	Key Only
S9	1	6674	Motor Contactor
TS1	2	5991	Terminal Strip #1-#15
	2	7817	Terminal Strip Backing #1-#15
		6947	Terminal Strip #1-#22
		7970	Terminal Strip Backing #1-#22
UCB2	1	2107	Control Box Pre-1992
	1	4940	Control Box After 1-1-1992



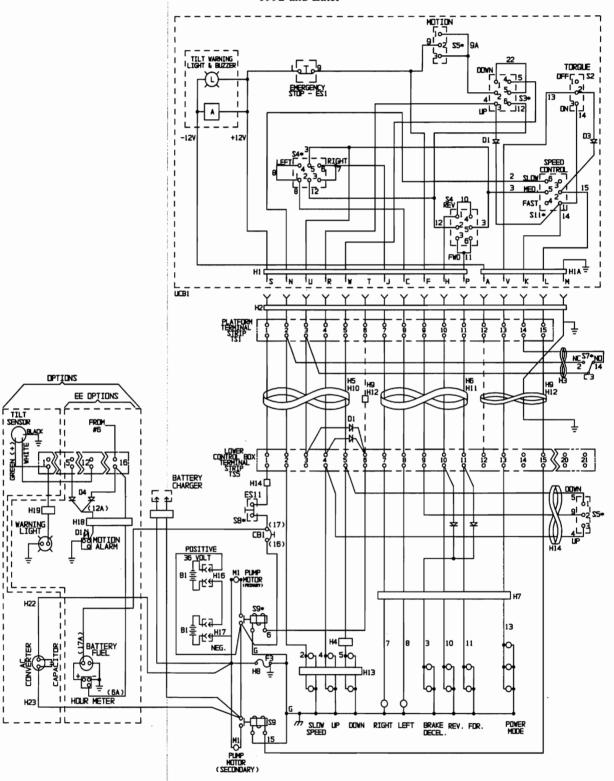
HITE-MASTER WIRING DIAGRAM High Torque Series Pre-1992



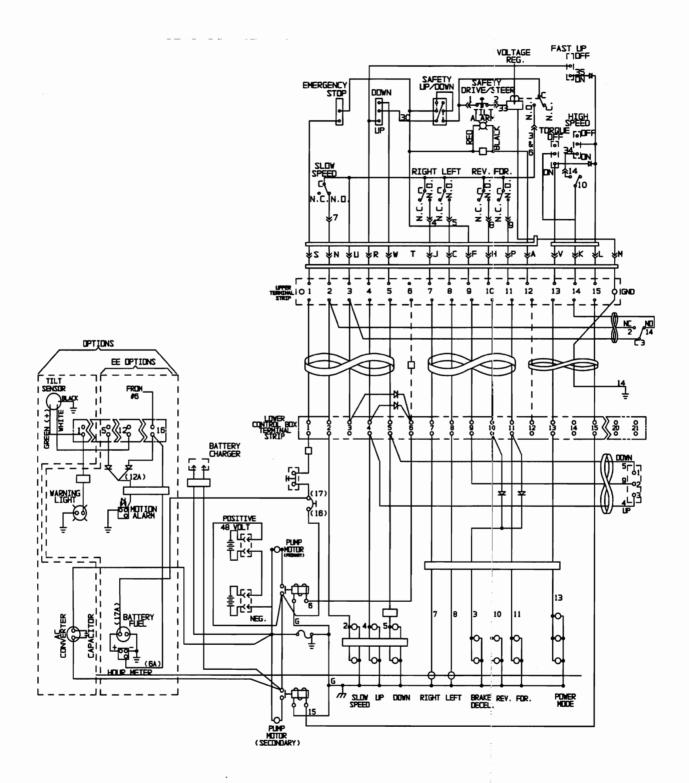
^{*} NOTE: Switch wiring as seen from the rear of switch.

Up/Down Switch at Upper Control Box - Contacts Made With Toggle at Keyway Position 1-2, 4-5 - Center Position 1-2, 5-6 - Opposite Keyway 2-3, 5-6

HITE-MASTER WIRING DIAGRAM High Torque Series W/Motion Switch 1992 and Later

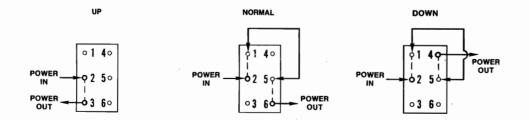


HITE-MASTER WIRING DIAGRAM High Torque Series Joystick

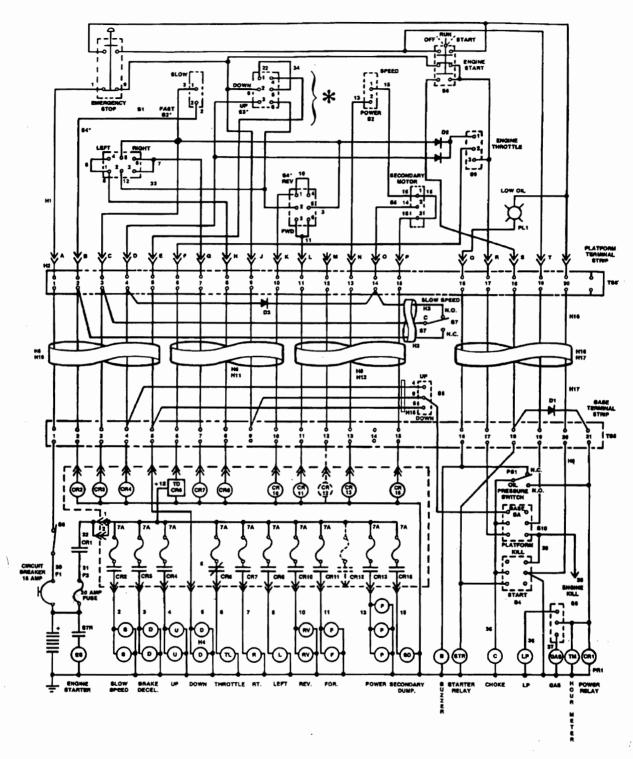


SYMBOL IDENTIFICATION FOR HIGH TORQUE

Symbol Quantity Part Number Description	
B1 6 5970 Battery 6 volt Deep Cycle	
D1 13 6070 Diode Assembly 3 amp 600 volt P	RV
D3 1 6241 Diode Assembly 3 amp 600 volt P	
F1 1 7235 15 amp Circuit Breaker	
F2 1 7275 20 amp Fuse	
H1 1 5982 Harness Control Box Pre-1992	
1 7657 Harness Control Box After 1-1-19	92
HA1 1 6296 Wire Set (HT Series) Pre-1992	
1 7658 Wire Set (HT Series) After 1-1-199	92
H2 1 5983 Harness to Control Box Pre-1992	
1 7656 Harness to Control Box After 1-1-	1992
H3 1 7070 Harness, Limit Switch	
H4 1 6787 Harness, Down Valve	
H5 1 6739 Beam Harness 19ft. #1-#5	
H6 1 6740 Beam Harness 19ft #7-#11	
H7 1 6765 Harness, Component Tray	
H8 1 6763 Harness, Crossover	
H9 1 6741 Beam Harness 19ft. #13-#15	
H10 1 6742 Beam Harness 25ft. #1-#5	
H11 1 6743 Beam Harness 25ft #7-#11	
H12 1 6744 Beam Harness 25ft #13-#15	
H13 1 6766 Harness, Component Tray	
H14 1 6764 Harness, Component Tray Secondary	ary
S1 1 7800 Emergency Stop Switch	•
S2 1 5630 Switch, Slow / Fast	
S3 1 5979 Switch, Up / Down	
S4 2 5694 Switch, Steering, Forward / Revers	se
S5 2 5230 Switch, Lower Up / Down, Second	
S6 1 6234 Switch, Power / Speed	
S7 1 6715 Switch, Slow Speed Limit	
S8 1 5936 Key Switch	
Service 6117 Key Only	
S9 2 6674 Motor Contactor	
TS1 2 5991 Terminal Strip #1-#15	
2 7817 Terminal Strip Backing #1-#15	
2 6947 Terminal Strip #1-#22	
2 7970 Terminal Strip Backing #1-#22	
UCB1 1 2992 Upper Control Box Pre-1992	
1 4920 Upper Control Box After 1-1-1992	



HITE-MASTER WIRING DIAGRAM Dual Fuel Series Pre-1992



^{*} NOTE: Switch wiring as seen from the rear of switch.

Up/Down Switch at Upper Control Box - Contacts Made With Toggle at Keyway Position 1-2, 4-5 - Center Position 1-2, 5-6 - Opposite Keyway 2-3, 5-6

HITE-MASTER WIRING DIAGRAM Dual Fuel Series W/Motion Switch 1992 and Later

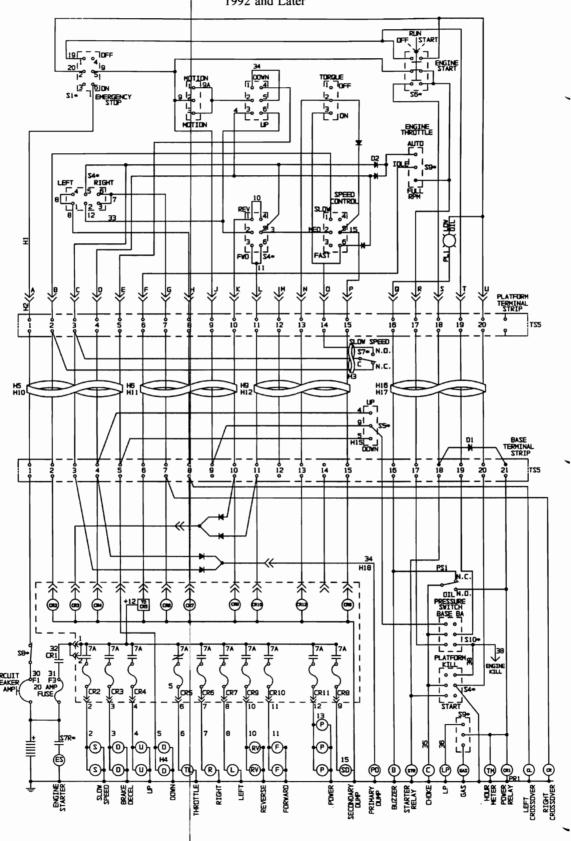
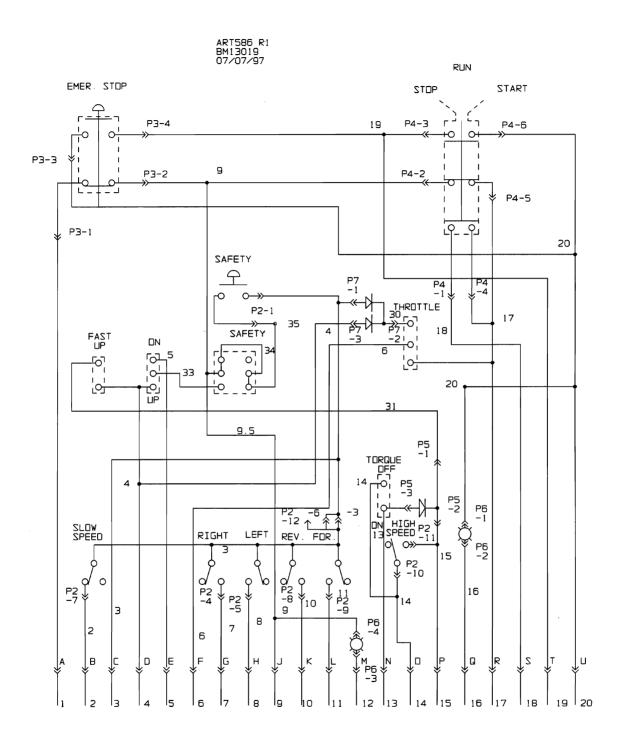


FIG. 2-8 Dual Fuel Series Electrical Schematic

TROUBLESHOOTING

HITE-MASTER WIRING DIAGRAM Dual Fuel Series Joystick



SYMBOL IDENTIFICATION FOR DUAL FUEL

Symbol	Quantity	Part Number	Description
Ď1	1	6070	Diode Assembly 3 amp 600 volt
D2	1	6946	Diode Assembly 3 amp 600 volt
D3	1	6241	Diode Assembly 3 amp 600 volt
F1	1	7235	15 amp Circuit Breaker
F3	1	6908	20 amp Fuse
H1	1	8253	Harness, Control Box
H2	1	6882	Harness to Control Box
H3	1	7070	Harness, Limit Switch
H4	1	6787	Harness, Cylinder Down Valve
H5	1	6949	Beam Harness 19ft. #1-#5
H6	1	6950	Beam Harness 19ft. #6-#10
H7	1	6765	Harness, Comp. Tray Sec.Manifold
H8	1	6965	Harness, Base Engine Controls
H9	1	6951	Beam Harness 19ft #11-#15
H10	1	6954	Beam Harness 25ft. #1-#5
H11	1	6955	Beam Harness 25ft. #6-#10
H12	1	6956	Beam Harness 25ft. #11-#15
H13	1	6766	Harness, Comp. Tray Pri.Manifold
H14	1	6764	Harness Comp. Tray Base Controls
H15	1	6966	Harness, Lower Lift Switch
H16	1	6952	Beam Harness 19ft. #16-#20
H17	1	6957	Beam Harness 25ft. #16-#20
PL1	1	6906	Indicator Light
PR1	1	6889	Power Relay
PS1	1	6887	Oil Pressure Switch
STR	1	6979	Start Solenoid
S1	1	7800	Emergency Stop Switch
	Service	8082	Contact Block N.O.
	Service	8083	Contact Block N.C.
S2	1	5630	Switch, Slow / Fast
S3	1	5979	Switch, Up / Down
S4	2	5694	Switch, Steering, Forward/Reverse
S5	2	5230	Switch, Motion, Lower Up / Down
S6	1	8075	Switch, Selector 3 Position
	1	8076	Base Mounting W/2 Contact Blocks
	1	8082	Contact Block N.O.
S7	1	6715	Switch, Slow Speed Limit
S8	1	5936	Key Switch
	Service	6117	Key Only
S9	1	6905	Switch, Fuel Selector
S10	1	5275	Switch, Platform / Base
TS5	2	6947	Terminal Strip #1 - #22
	2	7970	Terminal Strip Backing #1 -

HITE-MASTER HYDRAULIC DIAGRAM Standard Series

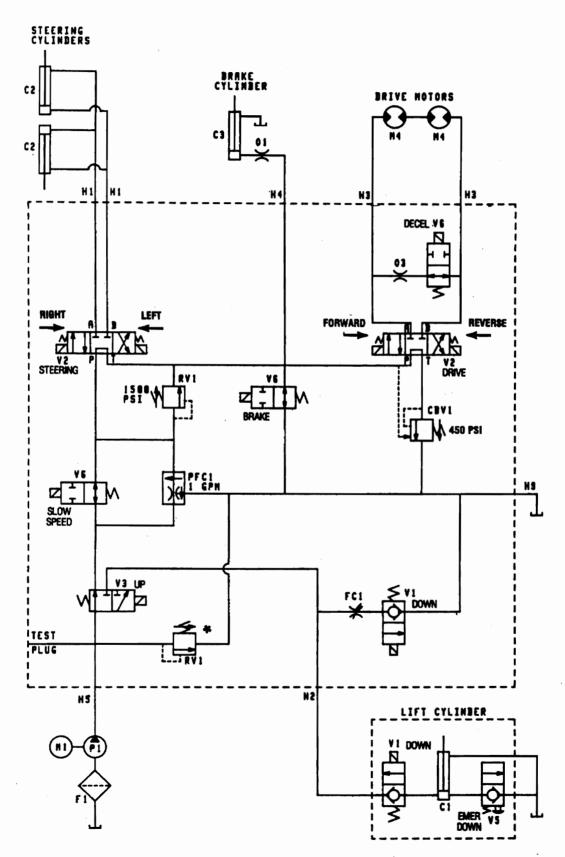
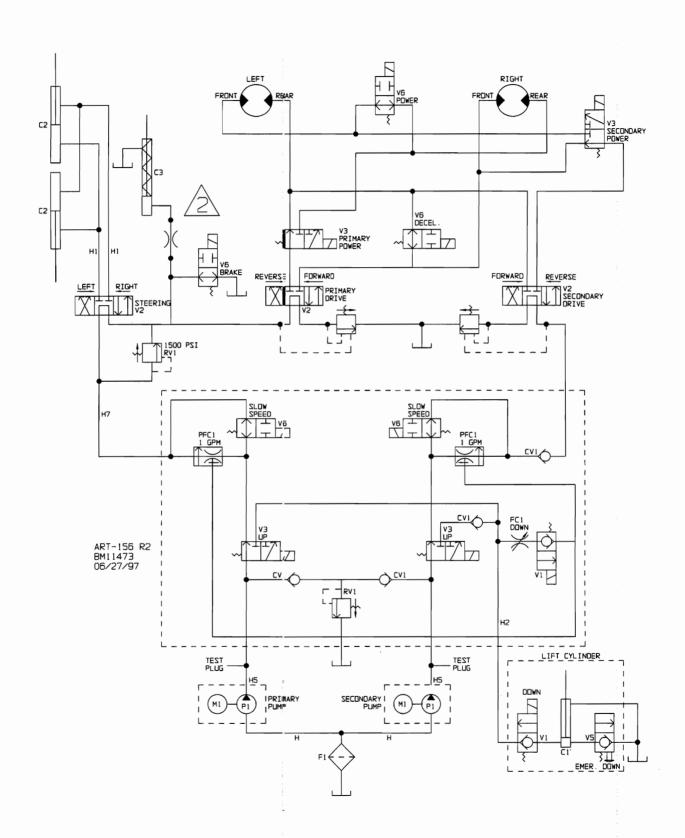


FIG. 2-10 Standard Series Hydraulic Schematic

HITE-MASTER HYDRAULIC DIAGRAM High Torque Series



HITE-MASTER HYDRAULIC DIAGRAM High Torque Series

Z MDV	DADE NO	omy	DEGGD I DOLON
ITEM	PART NO.	QTY.	DESCRIPTION
Cl	3488		LIFT CYLINDER
C1	6790		SEAL KIT
C1	6787		WIRE HARNESS, DOWN
C2	2838		STEERING CYLINDER ASSYEMBLY
C2	2484		CYLINDER BARREL
C2	2493		CYLINDER HEAD
C2	2494		PISTON
C2	2837		CYLINDER ROD
C2	6337		RETAINING RING
C2	6338		LOCK NUT
C2	5947		SEAL KIT
[23	2483		BRAKE CYLINDER ASSEMBLY
C3	2485		CYLINDER BARREL
C3	2493		CYLINDER HEAD
C3	2494		PISTON PRO
C3	2505		CYLINDER ROD RETAINING ROD
	6337 6338		LOCK NUT
C3	5947		SEAL KIT
	6712	2	COUNTERBALANCE VALVE
		2	"D" RING KIT
CV1	6806 5434	4	CHECK VALVE
CV1	5475		"D" RING KIT
F1	6156	1	FILTER ELEMENT
FC1	5963		FLOW CONTROL
FC1	5475		"D" RING KIT
HI	6718	2	HDSE, STEERING
H2	6720	1	HOSE, LIFT
	6721	2	HOSE, DRIVE
H4	6722	1	HOSE, BRAKE
H5	6723	1	HOSE
H7	5999	2	HDSE
Н8	6225	2	HOSE
H9	5995	1	HOSE
MI	6661	2	36 DVC MOTOR
M4	6660P	2	DRIVE MOTOR (HYDRAULIC)
MA1	3595	1	PRIMARY MANIFOLD
MA4	3480	1	SECONDARY MANIFOLD PT.
01	7044	1	DRIFICE, FITTING ASSEMBLY
04	2975	1	DRIFICE, FITTING (BRASS)
P1	5662	1	HYDRAULIC PUMP
PFC1		1	PRIORITY FLOW CONTROL
	5954		1.0 GPM (STD.)
PCF1		SERV	PRIORITY FLOW CONTROL
	6189		.5 GPM (SPECIAL)
PCF1			"D" RING KIT
RVI	6316	2	RELIEF VALVE
RV1	5475		"O" RING KIT
٧1		2	2-WAY N.C. VALVE ONLY
٧1	5475	SERV	"D" RING KIT
V1	6803		COIL ONLY 36 VDC
٧2	7976	3	4-WAY 3-POSITION VALVE ONLY
٧2	6161	SERV	SPRING AND "O" RING KIT
٧2	6803		COIL ONLY 36 VDC
٧3	6976	4	3-WAY 2-POSITION VALVE ONLY
٧3	5476	SERV	"D" RING KIT
٧3	6803		COIL ONLY 36 VDC
۷5	5435	1	MANUAL PULL - EMERGENCY DOWN
V5	5475	SERV	"O" RING KIT
٧6	6975	5	2-WAY N.O. SPOOL VALVE ONLY
٧6	5475	SERV	"D" RING KIT
V6	6803		COIL ONLY 36 VDC

ART-156 RZ BM11473 06/27/97

MODEL	PRESSURE RELEASE VALVE SETTING	LIFT CAPACITY
1948	1,800 PSI	1,500#
1948HT	1,800 PSI	1,500#
2548	2,000 PSI	1,000#
2548HT	2,000 PSI	1,000#
1958	2,150 PSI	1,750#
1958HT	2,150 PSI	1,750#
2558	2,250 PSI	1,250#
2558HT	2,250 PSI	1,250#

HITE-MASTER HYDRAULIC DIAGRAM Dual Fuel Series

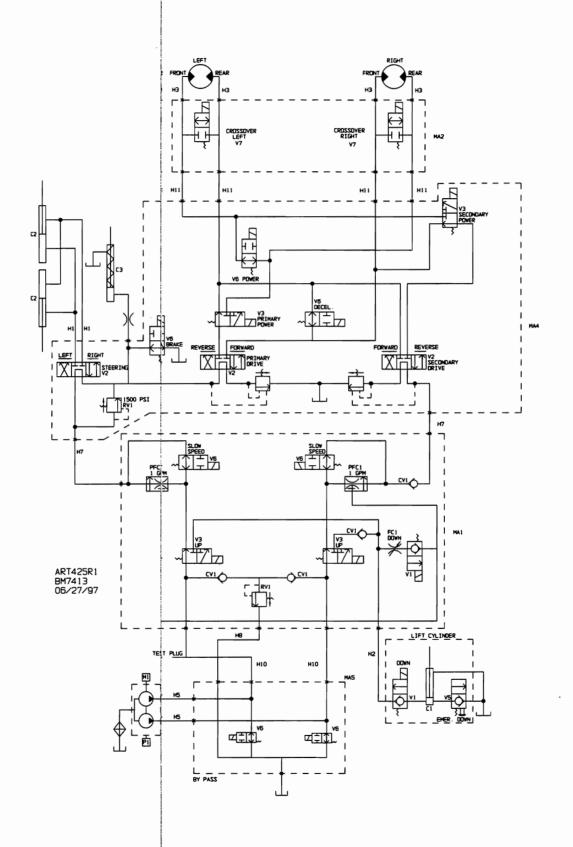


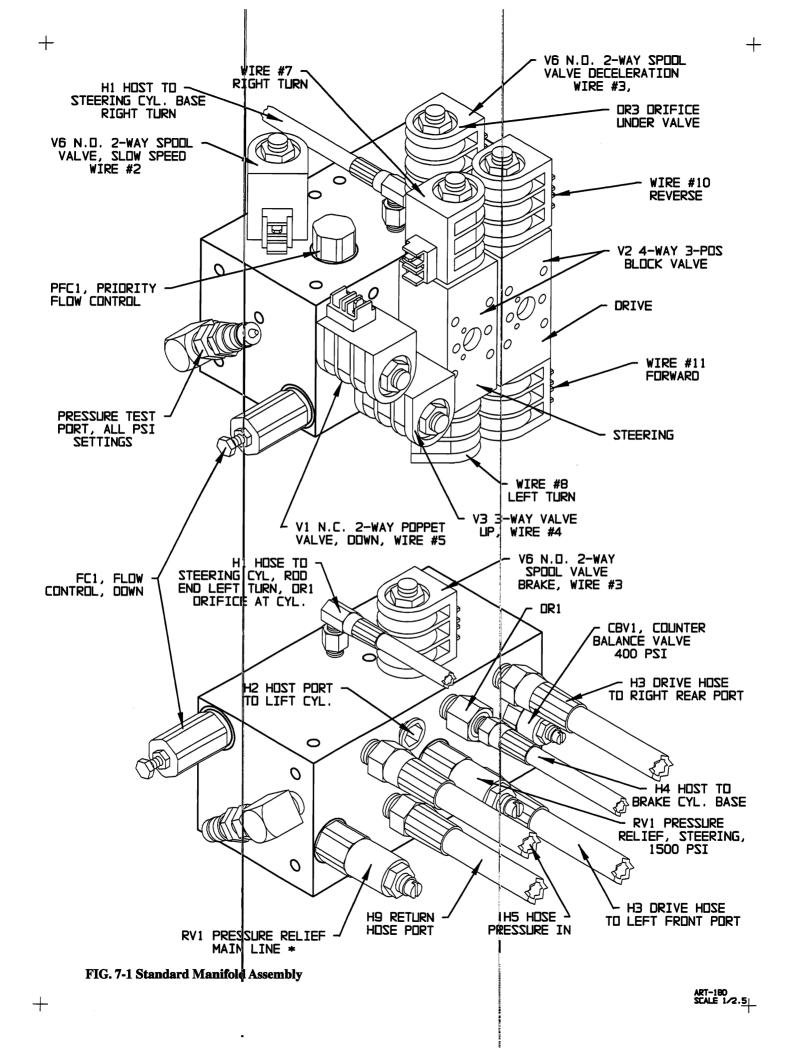
FIG. 2-12 Dual Fuel Series Hydraulic Schematic

HITE-MASTER HYDRAULIC DIAGRAM Dual Fuel Series

C1	ITEM	PART NO.	QTY.	DESCRIPTION
C1		3488	1	LIFT CYLINDER
C22			SERV	
C2				
C2	C2			
C2				
C3				
C3	L2			
C3				
C3 S947 SERV SEAL KIT				
C3 S947 SERV SEAL KIT	C3			
CBV1 6712	C3			
CBV1 6806		6712	2	CDUNTERBALANCE VALVE
CV1 5475 SERV "D" RING KIT FI 6156 1 FILTER ELEMENT FC1 5963 1 FILDW CONTROL FC1 5963 1 FLUW CONTROL FC1 5475 SERV "D" RING KIT FLUW CONTROL FC1 FC2	CBV1	6806		"D" RING KIT
FILTER ELEMENT FILTER ELEMENT FC1 5963 1 FILDW CDNTRDL FC1 5475 SERV "O" RING KIT FILTER ELEMENT FC1 SECONDARY FILTER ELEMENT FC1 SECONDARY FILTER ELEMENT FC1 SECONDARY FILTER ELEMENT FILTER FILTER ELEMENT FILTER FILTER FILTER ELEMENT FILTER FIL				
FC1 5963			+	
FC1			_	
H1				
H2 6720				"O" RING KIT
H3 6721				HUSE, STEERING
H4	_			
H5 6723				
H7 5999 2 PRIMARY TO SECONDARY H8 6225 2 HOSE H10 5237 2 HOSE H10 6237 2 HOSE H11 6429 4 HYD. HOSE, SECONDARY TO CROSSOVER H11 6429 4 HYD. HOSE, SECONDARY TO CROSSOVER M4 6660P 2 DRIVE MOTDOR (HYDRAULIC) M4 6660P 2 DRIVE MOTDOR (HYDRAULIC) M4 3595 1 PRIMARY MANIFOLD M42 3609 1 MANIFOLD M44 3480 1 SECONDARY MANIFOLD PT. M45 4336 1 MANIFOLD DOUBLE BYPASS D1 7044 1 DRIFICE, FITTING ASSEMBLY D4 2975 1 DRIFICE, FITTING (BRASS) P1 6855 1 HYDRAULIC PUMP PFC1 1 PRIDRITY FLOW CONTROL PCF1 5954 1.0 GPM (STD.) PCF1 5954 1.0 GPM (STD.) PCF1 5476 1.0 GPM (SPECIAL) PCF1 6189 5 GPM (SPECIAL) PCF1 6316 2 RELIEF VALVE RV1 6316 2 RELIEF VALVE RV1 6375 SERV "O" RING KIT V1 6870 COIL DNLY 12V V2 7976 3 4-WAY 3-POSITION VALVE DNLY V3 6376 4 3-WAY 2-POSITION VALVE DNLY V3 6376 SERV "O" RING KIT V3 6376 SERV "O" RING KIT V3 6376 SERV "O" RING KIT V3 6375 SERV "O" RING KIT V4 6475 SERV "O" RING KIT V5 5475 SERV "O" RING KIT V6 6870 COIL DNLY 12V V7 5475 SERV "O" RING KIT V8 6475 SERV "O" RING KIT V9 5475 SERV "O" RING KIT V9 6475 SERV "O" RING KIT V9 6470 COIL DNLY 12V V9 6475 SERV "O" RING KIT V9 6470 COIL DNLY 12V				
H8 6225 2 HOSE HOSE HOSE HOSE Sepsition Hose				
H9 5995				
H10 6237 2 HUSE BYPASS TO PRIMARY H11 6429 4 HYD. HUSE, SECUNDARY TO CROSSOVER M1 6853 1 4-CYCLE GAS ENGINE M4 6660P 2 DRIVE MOTOR (HYDRAULIC) MA1 3595 1 PRIMARY MANIFOLD MA2 3609 1 MANIFOLD MA4 3480 1 SECONDARY MANIFOLD PT. MA5 4336 1 MANIFOLD DOUBLE BYPASS D1 7044 1 DRIFICE, FITTING ASSEMBLY D4 2975 1 DRIFICE, FITTING (BRASS) PF				
H11 6429			_	
M1				
MAI 6660P 2 DRIVE MOTOR (HYDRAULIC) MAI 3595 1 PRIMARY MANIFOLD MA2 3609 1 MANIFOLD MAA 3480 1 SECONDARY MANIFOLD PT. MAS 4336 1 MANIFOLD DOUBLE BYPASS DI 7044 1 DRIFICE, FITTING ASSEMBLY D4 2975 1 DRIFICE, FITTING (BRASS) P1 6855 1 HYDRAULIC PUMP PFC1 1 PRIORITY FLOW CONTROL PCF1 5954 1.0 GPM (STD.) PCF1 5954 1.0 GPM (STD.) PCF1 5954 1.0 GPM (STD.) PCF1 5476 "D" RING KIT RV1 5316 2 RELIEF VALVE RV1 5475 SERV "D" RING KIT V1 5475 SERV "D" RING KIT V1 5475 SERV "D" RING KIT V2 7976 3 4-WAY 3-PDSITION VALVE DNLY V2 6870 COIL DNLY 12V <t< td=""><td></td><td></td><td></td><td></td></t<>				
MA2 3609	M4		2	
MA4 3480	MA1	3595	1	PRIMARY MANIFOLD
MAS				
D1				
D4	-			
P1 6855 1				
PFC1			_	
DCF1 5954		לכשם	_	
DCF1		5054	1	
PCF1 6189		J 3 J4	SEDV	
PCF1 5476		6189	3ER V	
RVI 6316 2 RELIEF VALVE RVI 5475 SERV "D" RING KIT VI 6973 2 2-WAY N.C. VALVE DNLY VI 5475 SERV "D" RING KIT VI 6870 COIL DNLY 12V V2 7976 3 4-WAY 3-PDSITION VALVE DNLY V2 6161 SERV SPRING AND "D" RING KIT V2 6670 COIL DNLY 12V V3 6976 4 3-WAY 2-PDSITION VALVE DNLY V3 5476 SERV "D" RING KIT V3 6470 COIL DNLY 12V V5 5435 I MANUAL PULL EMERGENCY DDWN V5 5475 SERV "D" RING KIT V6 6975 SERV "D" RING KIT V6 6870 COIL DNLY 12V COIL DNLY 12V V6 6870 COIL DNLY 12V C			 	
RV1 5475 SERV "0" RING KIT V1 6973 2 2-WAY N.C. VALVE DNLY V1 5475 SERV "0" RING KIT V1 6870 COIL DNLY 12V V2 7976 3 4-WAY 3-PDSITION VALVE DNLY V2 6161 SERV SPRING AND "0" RING KIT V2 6870 COIL DNLY 12V V3 6976 4 3-WAY 2-PDSITION VALVE DNLY V3 5476 SERV "0" RING KIT V3 6870 COIL DNLY 12V V5 5435 1 MANUAL PULL - EMERGENCY DDWN V5 5475 SERV "0" RING KIT V6 6975 5 2-WAY N.D. SPOOL VALVE DNLY V6 6870 COIL DNLY 12V COIL DNLY 12V			2	
V1 6973 2 2-WAY N.C. VALVE DNLY V1 5475 SERV "0" RING KIT V1 6870 COIL DNLY 12V V2 7976 3 4-WAY 3-PDSITION VALVE DNLY V2 6161 SERV SPRING AND "0" RING KIT V2 6870 COIL DNLY 12V V3 6976 4 3-WAY 2-PDSITION VALVE DNLY V3 5476 SERV "0" RING KIT V3 5476 SERV "0" RING KIT V4 5435 1 MANUAL PULL - EMERGENCY DDWN V5 5475 SERV "0" RING KIT V6 6975 5 2-WAY N.D. SPOOL VALVE DNLY V6 6870 COIL DNLY 12V COIL DNL				
V1				
V1 6870 COIL ONLY 12V V2 7976 3 4-WAY 3-PDSITION VALVE ONLY V2 6161 SERV SPRING AND "O" RING KIT V2 6670 COIL ONLY 12V V3 6976 4 3-WAY 2-PDSITION VALVE ONLY V3 5476 SERV "O" RING KIT V3 6870 COIL ONLY 12V V5 5435 1 MANUAL PULL EMERGENCY ODWN V5 5475 SERV "O" RING KIT V6 6975 5 2-WAY N.O. SPOOL VALVE ONLY V6 5475 SERV "O" RING KIT V6 6870 COIL ONLY 12V COIL ONLY 12V V6 COIL ONLY 12V COI			_	
V2			1	
V2 6161 SERV SPRING AND "O" RING KIT V2 6870 COIL ONLY 12V V3 6976 4 3-WAY 2-POSITION VALVE ONLY V3 5476 SERV "O" RING KIT V3 6870 COIL ONLY 12V V5 5435 1 MANUAL PULL - EMERGENCY DOWN V5 5475 SERV "O" RING KIT V6 6975 5 2-WAY N.O. SPOOL VALVE ONLY V6 6870 COIL ONLY 12V V6 6870 COIL ONLY 12V V6 6870 COIL ONLY 12V V8 V8 V8 V8 V8 V9 V9 V9 V9 V9 V9 V9		7976		4-WAY 3-POSITION VALVE ONLY
V2 6870 CDIL ONLY 12V V3 6976 4 3-WAY 2-PDSITION VALVE ONLY V3 5476 SERV "D" RING KIT V3 6870 CDIL ONLY 12V V5 5435 1 MANUAL PULL - EMERGENCY DDWN V5 5475 SERV "D" RING KIT V6 6975 5 2-WAY N.D. SPOOL VALVE ONLY V6 6870 CDIL ONLY 12V V6 6870 CDIL ONLY 12V V8 V9 V9 V9 V9 V9 V9 V9	V2	6161	SERV	SPRING AND "O" RING KIT
V3				
V3 6870 COIL ONLY 12V V5 5435 1 MANUAL PULL - EMERGENCY DOWN V5 5475 SERV "0" RING KIT V6 6975 5 2-WAY N.O. SPOOL VALVE ONLY V6 5475 SERV "0" RING KIT V6 6870 COIL ONLY 12V				
V5			SERV	
V5 5475 SERV "O" RING KIT V6 6975 5 2-WAY N.O. SPOOL VALVE ONLY V6 5475 SERV "O" RING KIT V6 6870 COIL ONLY 12V				
V6 6975 5 2-WAY N.O. SPOOL VALVE ONLY V6 5475 SERV "O" RING KIT V6 6870 COIL ONLY 12V	-			
V6 5475 SERV "O" RING KIT V6 6870 COIL ONLY 12V				
V6 6870 COIL ONLY 12V				
			SERV	
V/ 7151 VALVE 2 WAY N.C. SPOOL			ļ	
	_V7	7151	1	VALVE 2 WAY N.C. SPOOL

MODEL	PRESSURE RELEASE VALVE SETTING	LIFT CAPACITY
1948D	2,150 PSI	1,750#
2558D	2,250 PSI	1,250#

ART425R1 BM7413 06/27/97



SYMBOL IDENTIFICATION FOR MANIFOLD HITEMASTER STANDARD SERIES

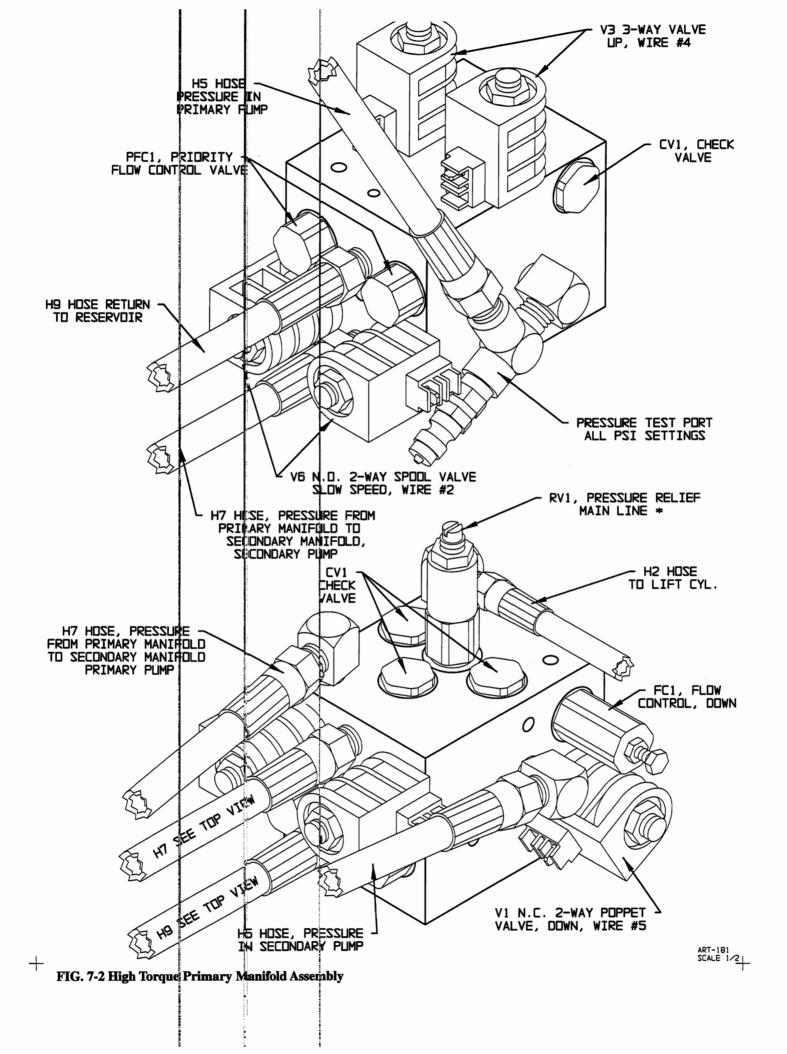
Symbol	Quantity	Part Number	Description
Čĺ	1	3488	Lift Cylinder w/bearings
	Service	6790	Seal Kit
C2	2	2838	Steering Cylinder Assembly
	Service	2484	Cylinder Weldment
	Service	2493	Cylinder Head
	Service	2494	Piston
	Service	2837	Cylinder Rod
	Service	6337	Internal Retaining Ring
	Service	6338	Nut ½ - 20 Lock
	Service	5947	Seal Kit
C3	1	2483	Brake Cylinder Assembly
	Service	2485	Cylinder Weldment
	Service	2493	Cylinder Head
	Service	2494	Piston
	Service	2504	Cylinder Rod
	Service	6337	Internal Retaining Ring
	Service	6338	Nut ½ - 20 Lock
	Service	5947	Seal Kit
CBV1	1	6712	Counter Balance Valve
CDVI	Service	6806	O-Ring Kit
F1	1	6156	Filter
FC1	1	5963	Flow Control
101	Service	5475	O-Ring Kit
H1	2	6718	Steering Hose
H2	1	6720	Lift Hose
H3	2	6721	Drive Hose
H4	1	6722	Brake Hose
H5	1	6723	Hose Pump to Manifold
H9	1	6225	Return Hose
H10	1	6798	Crossover Hose
H11	5	6458	Return Line
H12	1	6869	Hose Tank to Filter
M1	1	6661	36v Motor
M5	2	6660P	Drive Motor
IVIS	Service	6814	Seal Kit
MA3	1	3239	Primary Manifold
O1	1	6107	Orifice Fitting Assembly
O3	1	2975	Orifice Fitting (brass)
P1	1	6662	Pump
PFC1	1	5954	Priority Flow Control 1.0 GPM (standard)
TICI	Option	6189	Priority Flow Control .5 GPM (special)
	Service	5475	O-Ring Kit
RV1	2	6316	Relief Valve
KV I			
V1	Service	5475 6973	O-Ring Kit
V1	2 @		2-Way N.C. Valve
		6803 5475	36v Coil
V/O	Service	5475 7076	O-Ring Kit
V2	2	7976	4-Way 3 Position Valve
	@	6803	36v Coil
	Service	6161	Spring and O-Ring Kit

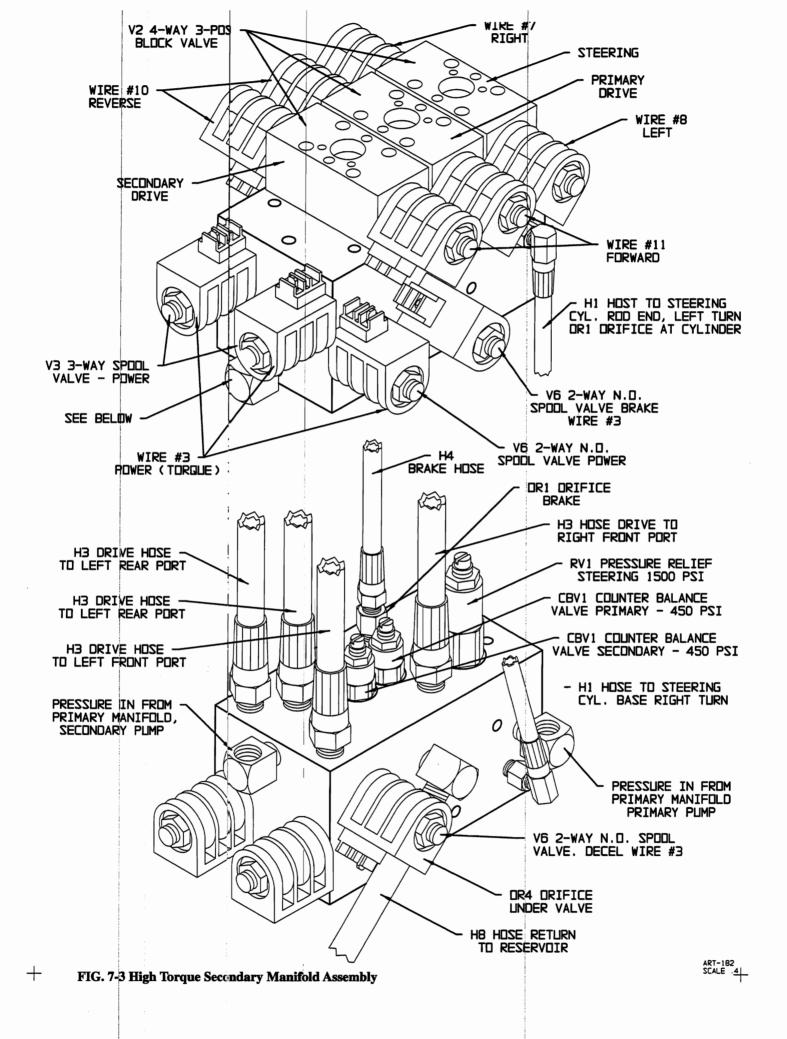
SYMBOL IDENTIFICATION FOR MANIFOLD HITEMASTER STANDARD SERIES

Symbol	Quantity	Part Number	Description
V3	1	6976	3-Way 2 Position Valve
V5	1	5435	Manual Pull Valve
	@	6803	36v Coil
	Service	5475	O-Ring Kit
V6	3	6975	2-Way N.O. Valve
	@	6803	36v Coil
	Service	5475	O-Ring Kit

^{@ = 10} Coils Total

^{**} Refer To Hydraulic Schematic For Relief Valve Settings





SYMBOL IDENTIFICATION FOR MANIFOLD HITEMASTER HIGH TORQUE SERIES

Symbol Quantity Fair Number Class Cl	Symbol	Quantity	Part Number	Description
C2 Service 2484 Service 2493 Cylinder Meldment Cylinder Meldment Service 2494 Piston Service 2494 Piston Service 6337 Cylinder Rod Service 6338 Nut ½ - 20 Lock Service 2494 Piston Service 6338 Nut ½ - 20 Lock Service 2494 Piston Service 2494 Piston Service 5947 Seal Kit Service 2485 Cylinder Weldment Service 2485 Cylinder Weldment Service 2493 Cylinder Head Service 2493 Cylinder Head Service 2494 Piston Service 2504 Cylinder Rod Service 6337 Internal Retaining Ring Service 2494 Piston Service 3338 Nut ½ - 20 Lock Service 3338 Nut ½ - 20 Lock Service 3485 Cylinder Rod Service 6337 Internal Retaining Ring Service 3338 Nut ½ - 20 Lock Service 6338 Nut ½ - 20 Lock Service 5947 Seal Kit Service 6438 Nut ½ - 20 Lock Service 6806 O-Ring Kit Counter Balance Valve O-Ring Kit Service 5947 Seal Kit Service 6806 O-Ring Kit Service 6806 O-Ring Kit Service 5475 O-Ring Kit Service 5484 Seaturn Line Service 6814 Seaturn Line Service 6814 Seaturn Line Service 6814 Seaturn Line 54661 Service 5475 O-Ring Kit Service 5475 O-Ri	Symbol			•
C2 2838 Steering Cylinder Assembly Service 2493 Cylinder Weldment Service 2494 Piston Service 2337 Cylinder Rod Service 6337 Internal Retaining Ring Service 6338 Nut ⅓ - 20 Lock Service 5947 Seal Kit C3 1 2483 Brake Cylinder Assembly Service 2485 Cylinder Head Service 2494 Piston Service 2494 Piston Service 2504 Cylinder Rod Service 6337 Internal Retaining Ring Service 6338 Nut ⅓ - 20 Lock Service 6806	CI	_		
Service 2484 Cylinder Weldment	C2			
Service 2494 Piston	CZ			
Service 2494 Piston Cylinder Rod Service 6337 Internal Retaining Ring Service 6337 Service Service 5947 Seal Kit Service 5947 Seal Kit Service 2483 Brake Cylinder Assembly Service 2483 Cylinder Head Service 2494 Piston Service 2494 Piston Service 6337 Internal Retaining Ring Service 6337 Internal Retaining Ring Service 6338 Nut ½ - 20 Lock Service 6338 Nut ½ - 20 Lock Service 6338 Nut ½ - 20 Lock Service 6348 Nut ½ - 20 Lock Service 6349 Service Service 6341 Counter Balance Valve Service 6866 O-Ring Kit CVI 4				•
Service				•
Service 6337				
Service 5947 Seal Kit				•
C3 Service 5947 Seal Kit Service 2485 Cylinder Meldment Service 2493 Cylinder Head Service 2494 Piston Service 2504 Cylinder Rod Service 6337 Internal Retaining Ring Service 6338 Nut ½ - 20 Lock Service 5947 Seal Kit CBV1 2 6712 Counter Balance Valve CV1 4 5434 Check Valve F1 1 6156 Filter F2 1 6156 Filter F1 1 5963 Flow Control FC1 1 5963 Flow Control FC1 1 6720 Lift Hose H2 1 6720 Lift Hose H3 4 6721 Drive Hose H4 1 6722 Brake Hose H5 2 6723 Hose Pump to Manifold H6 <t< td=""><td></td><td></td><td></td><td></td></t<>				
C3 1 2483 Brake Cylinder Assembly Service 2493 Cylinder Weldment Service 2494 Piston Service 2504 Cylinder Rod Internal Retaining Ring Cylinder Rod Service 6337 Internal Retaining Ring Service 6338 Nut ½ - 20 Lock Service 6806 O-Ring Kit CV1 4 5434 Check Valve FI 1 6156 Filter FC1 1 5963 Flow Control Service 5475 O-Ring Kit H1 2 6718 Steering Hose H2 1 6720 Lift Hose H3 4 6721 Drive Hose H4 1 6722 Brake Hose H5 2 6723 Hose Pump to Manifold H9 1 6225 Return Hose H8 2 5995 Hose Filter to Pump H11 5 <td></td> <td></td> <td></td> <td></td>				
Service 2485 Cylinder Weldment	C3			
Service 2494 Piston	C 3			· · · · · · · · · · · · · · · · · · ·
Service 2494 Piston Service 2504 Cylinder Rod Service 6337 Internal Retaining Ring Service 6338 Nut ½ - 20 Lock Service 5947 Seal Kit CBV1 2 6712 Counter Balance Valve O-Ring Kit CV1 4 5434 Check Valve Filter 1 5963 Flow Control Filter FCI 1 5963 Flow Control Filter FCI 1 6720 Lift Hose Filter FIH 1 6720 Lift Hose Filter FIH 1 6720 Lift Hose Filter FIH 1 6721 Drive Hose Filter FIH FI				•
Service 2504 Cylinder Rod				•
Service 6337 Internal Retaining Ring				
Service 6338 Nut ½ - 20 Lock Service 5947 Seal Kit				•
CBV1 Service 5947 Seal Kit CBV1 2 6712 Counter Balance Valve Service 6806 O-Ring Kit CV1 4 5434 Check Valve FI 1 6156 Filter FC1 1 6156 Filter FC1 1 5963 Flow Control Service 5475 O-Ring Kit H1 2 6718 Steering Hose H2 1 6720 Lift Hose H3 4 6721 Drive Hose H4 1 6722 Brake Hose H5 2 6723 Hose Pump to Manifold H9 1 6225 Return Hose H8 2 5995 Hose Filter to Pump H11 5 6458 Return Line H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660P				
CBV1 2 6712 Counter Balance Valve CV1 4 5434 Check Valve F1 1 6156 Filter FC1 1 5963 Flow Control EC1 1 5963 Flow Control Service 5475 O-Ring Kit H1 2 6718 Steering Hose H2 1 6720 Lift Hose H3 4 6721 Drive Hose H4 1 6722 Brake Hose H5 2 6723 Hose Pump to Manifold H9 1 6225 Return Hose H8 2 5995 Hose Filter to Pump H11 5 6458 Return Line H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660 Drive Motor Service 6814 Seal Kit MA4 1 3480				
CV1 4 5434 Check Valve F1 1 6156 Filter FC1 1 5963 Flow Control FC1 1 5963 Flow Control Service 5475 O-Ring Kit H1 2 6718 Steering Hose H2 1 6720 Lift Hose H3 4 6721 Drive Hose H4 1 6722 Brake Hose H5 2 6723 Hose Pump to Manifold H9 1 6225 Return Hose H8 2 5995 Hose Filter to Pump H11 5 6458 Return Line H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660P Drive Motor Service 6814 Seal Kit MA1 1 3480 Secondary Manifold O1 1 6107 <td< td=""><td>CBV1</td><td></td><td></td><td></td></td<>	CBV1			
CV1 4 5434 Check Valve F1 1 6156 Filter FC1 1 5963 Flow Control FC1 1 5963 Flow Control H 2 6718 Steering Hose H2 1 6720 Lift Hose H3 4 6721 Drive Hose H4 1 6722 Brake Hose H5 2 6723 Hose Pump to Manifold H9 1 6225 Return Hose H8 2 5995 Hose Filter to Pump H11 5 6458 Return Line H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660P Drive Motor Service 6814 Seal Kit MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting (brass) P1 2				
F1 1 6156 Filter FC1 1 5963 Flow Control FC1 1 5963 Flow Control FC1 1 5963 Carrier H1 2 6718 Steering Hose H2 1 6720 Lift Hose H3 4 6721 Drive Hose H4 1 6722 Brake Hose H5 2 6723 Hose Pump to Manifold H9 1 6225 Return Hose H8 2 5995 Hose Filter to Pump H11 5 6458 Return Line H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660P Drive Motor M2 Service 6814 Seal Kit MA1 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4	CV1			-
FC1 1 5963 Flow Control Nervice 5475 O-Ring Kit H1 2 6718 Steering Hose H2 1 6720 Lift Hose H3 4 6721 Drive Hose H4 1 6722 Brake Hose H5 2 6723 Hose Pump to Manifold H9 1 6225 Return Hose H8 2 5995 Hose Filter to Pump H11 5 6458 Return Line H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660P Drive Motor Service 6814 Seal Kit MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) P0 cring Kit				Filter
New York		1		Flow Control
H1 2 6718 Steering Hose H2 1 6720 Lift Hose H3 4 6721 Drive Hose H4 1 6722 Brake Hose H5 2 6723 Hose Pump to Manifold H9 1 6225 Return Hose H8 2 5995 Hose Filter to Pump H11 5 6458 Return Line H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660P Drive Motor Service 6814 Seal Kit MA1 1 3595 Primary Manifold MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 5954 Priority Flow Control 1.0 GPM (standard) P0 Option 6189 Priority Flow Control 1.5 GP		Service	5475	O-Ring Kit
H2	H1			•
H4 I 6722 Brake Hose H5 2 6723 Hose Pump to Manifold H9 1 6225 Return Hose H8 2 5995 Hose Filter to Pump H11 5 6458 Return Line H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660P Drive Motor Service 6814 Seal Kit MA1 1 3595 Primary Manifold MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) PC1 2 5954 Priority Flow Control 1.5 GPM (special) Service 5475 O-Ring Kit V1 2 6316 Relief Valve <	H2		6720	Lift Hose
H5	Н3	4	6721	Drive Hose
H9 1 6225 Return Hose H8 2 5995 Hose Filter to Pump H11 5 6458 Return Line H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660P Drive Motor Service 6814 Seal Kit MA1 1 3595 Primary Manifold MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit V1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve 6	H4	1	6722	Brake Hose
H8 2 5995 Hose Filter to Pump H11 5 6458 Return Line H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660P Drive Motor Service 6814 Seal Kit MA1 1 3595 Primary Manifold MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve W1 2 6973 2-Way N.C. Valve W1 2 6803 36v Coil	H5	2	6723	Hose Pump to Manifold
H11 5 6458 Return Line H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660P Drive Motor Service 6814 Seal Kit MA1 1 3595 Primary Manifold MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil	H9	1	6225	Return Hose
H12 1 6869 Hose Tank to Filter M1 2 6661 36v Motor M5 2 6660P Drive Motor Service 6814 Seal Kit MA1 1 3595 Primary Manifold MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit V1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil	H8	2	5995	Hose Filter to Pump
M1 2 6660P 36v Motor M5 2 6660P Drive Motor Service 6814 Seal Kit MA1 1 3595 Primary Manifold MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve 0 6803 36v Coil	H11	5	6458	Return Line
M5 2 6660P Drive Motor Service 6814 Seal Kit MA1 1 3595 Primary Manifold MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil	H12	1	6869	Hose Tank to Filter
MA1 Service 6814 Seal Kit MA1 1 3595 Primary Manifold MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil	M1	2	6661	36v Motor
MA1 1 3595 Primary Manifold MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil	M5	2	6660P	Drive Motor
MA4 1 3480 Secondary Manifold O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil		Service	6814	
O1 1 6107 Orifice Fitting Assembly O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil	MA1	1	3595	Primary Manifold
O4 1 2975 Orifice Fitting (brass) P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil	MA4	1		Secondary Manifold
P1 2 6662 Pump PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil	O1	1	6107	Orifice Fitting Assembly
PFC1 2 5954 Priority Flow Control 1.0 GPM (standard) Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil	O4		2975	Orifice Fitting (brass)
Option 6189 Priority Flow Control .5 GPM (special) Service 5475 O-Ring Kit RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil			6662	
Service 5475 O-Ring Kit RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil	PFC1			•
RV1 2 6316 Relief Valve Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil		Option	6189	-
Service 5475 O-Ring Kit V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil		Service		
V1 2 6973 2-Way N.C. Valve @ 6803 36v Coil	RV1	2		
@ 6803 36v Coil				
	V1			•
Service 5475 O-Ring Kit		_		
		Service	5475	O-Ring Kit

SYMBOL IDENTIFICATION FOR MANIFOLD HITEMASTER HIGH TORQUE

Symbol	Quantity	Part Number	Description
V2	3	7976	4-Way 3 Position Valve
1	@	6803	36v Coil
!	Service	6161	Spring and O-Ring Kit
V3	4	6976	3-Way 2 Position Valve
V\$	1	5435	Manual Pull Valve
!	@	6803	36v Coil
	Service	5475	Φ-Ring Kit
V¢	5	6975	2-Way N.O. Valve
	@	6803	36v Coil
	Service	5475	0-Ring Kit

@ = 17 Coils Total

^{**} Refer To Hydraulic Schematic For Relief Valve Settings

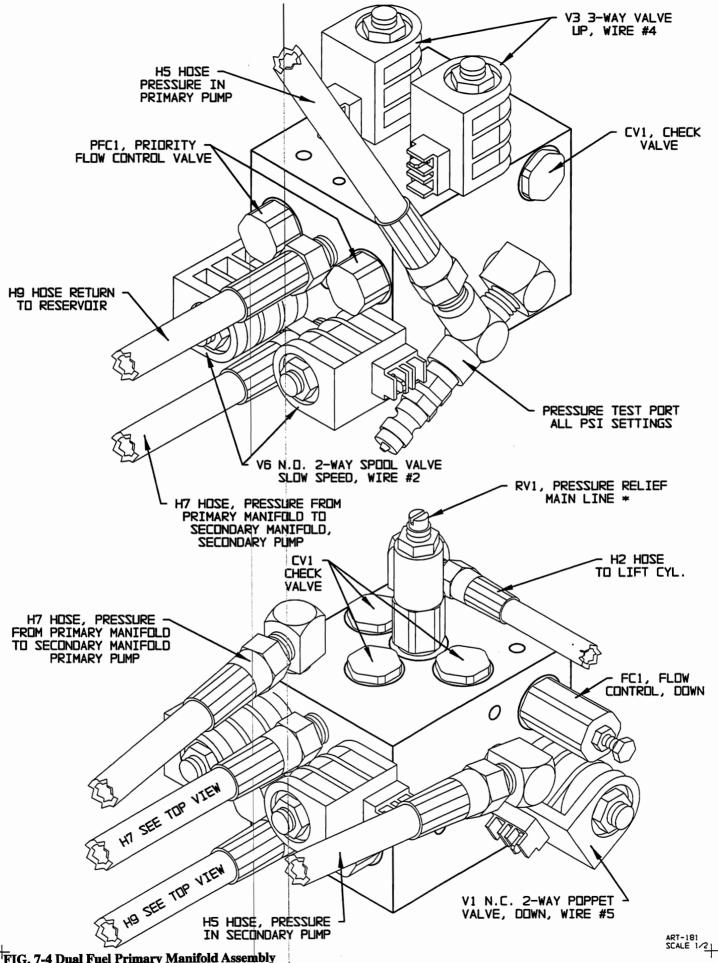
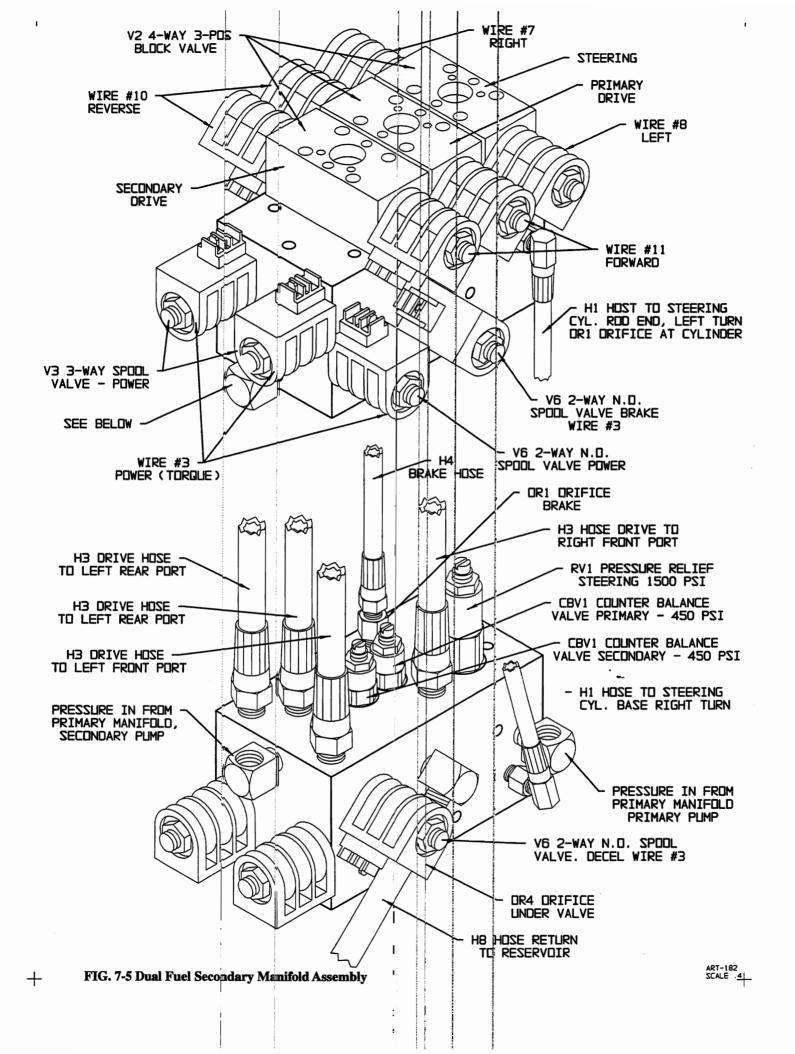


FIG. 7-4 Dual Fuel Primary Manifold Assembly



SYMBOL IDENTIFICATION FOR MANIFOLD HITEMASTER DUAL FUEL SERIES

Symbol	Quantity	Part Number	Description
C1	1	3488	Lift Cylinder w/bearings
CI	Service	6790	Seal Kit
C2	2	2838	Steering Cylinder Assembly
CZ	Service	2484	Cylinder Barrel Weldment
	Service	2493	Cylinder Head
	Service	2494	Piston
	Service	2837	Cylinder Rod
	Service	6338	Nut ½ - 20 Lock
	Service	6337	Internal Retaining Ring
	Service	5947	Seal Kit
C3	1	2483	Brake Cylinder Assembly
C3	Service	2485	Cylinder Barrel Weldment
	Service	2493	Cylinder Head
	Service	2494	Piston
	Service	2505	Cylinder Rod
	Service	6337	Internal Retaining Ring
	Service	6338	Nut ½ - 20 Lock
	Service	5947	Seal Kit
CBV1	2	6712	Counter Balance Valve
CBVI	Service	6806	
CV1	4	5434	O-Ring Kit Check Valve
CVI	Service	5475	
F1		6156	O-Ring Kit Filter
FC1	1	5963	Flow Control
rci	Service	5475	
H1	2	6718	O-Ring Kit Steering Hose
H2	1	6720	Lift Hose
H3	4	6721	Drive Hose
H4	1	6722	Brake Hose
	2	6723	
H5 H7		5999	Hose Pump to Bypass Manifold
	2		Hose Primary to Secondary Hose Return to Tank
H8	2	6225	
H9	1	5995	Hose
H10	2	6237	Hose Bypass to Primary Manifold
H11	4	6429	Hose Secondary to Crossover Manifold
M1	1	6853	Kohler M18 Engine
M4	2	6660P	Wheel Motor
MA1	1	3595	Primary Manifold
MA2	1	3609	Crossover Manifold
MA4	1	3480	Secondary Manifold
MA5	1	4336	Bypass Manifold
01	1	7044	Orifice Fitting
04	1	2975	Orifice (brass)
P1	1	6855	Pump
PFC1	2	5954	Priority Flow Control (1.0 GPM)
	Option	6189	Priority Flow Control (.5 GPM)
DV/1	Service	5476	O-Ring Kit
RV1	2	6316	Relief Valve
	Service	5475	O-Ring Kit

SYMBOL IDENTIFICATION FOR MANIFOLD HITEMASTER DUAL FUEL SERIES

Symbol	Quantity	Part Number	Description
V1	2	6973	2-Way N.C. Valve
	@	6870	12v Coil
	Service	5475	O-Ring Kit
V2	3	7976	4-Way 3-Position Valve
	@	6870	12v Coil
	Service	6161	Spring & O-Ring Kit
V3	4	6976	3-Way 2-Position Valve
	@	6870	12v Coil
	Service	5476	O-Ring Kit
V5	1	5435	Manual Pull Valve
	Service	5475	O-Ring Kit
V6	5	6975	2-Way N.O. Valve
	@	6870	12v Coil
	Service	5475	O-Ring Kit
V7	2	7151	2-Way N.C. Spool Valve
	@	6870	12v Coil
	Service	5475	O-Ring Kit

@ = 17 Coils Total

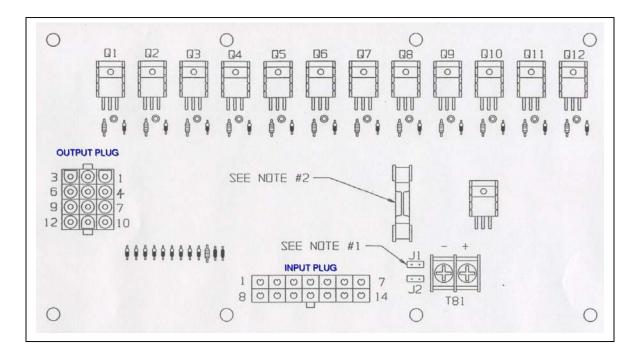
^{**} Refer To Hydraulic Schematic For Relief Valve Setting



9021 Relay Board (new style)

When replacing (p/n 9021) circuit board on Quadrex 25/33 RT series or 3072 series or 2558DF (Kawasaki eng), it will be necessary to pull jumper J1 (note 1 on diagram). Jumper J1 programs the throttle and choke control circuits. Leave jumper in place for 2558D w/Kohler engine only.

NOTE: J1 is very small, use needle-nosed pliers to pull it from the board.



For diagnostic purposes, the chart below lists the input and output terminals, and LED for the respective function. Match the column on the chart with your specific model.

INPUT	LED	OUTPUT	FUNCTION 25, 33 RT	FUNCTION 25,33 SRT	FUNCTION 3072	FUNCTION 2558D	FUNCTION 2558DF
1	1	1	Up	Not used	Up to 9200486 - Start From 9200487- Not used	Not used	Not used
2	2	2	Down	Slow Speed	Slow	Slow	Slow
3	3	3	Bypass – Decel	Brake - Decel	Decel – Pri. Dump	Brake – Decel	Brake – Decel
4	4	4	Torque	Up	Up	Up	Up
5	5	5	Throttle	Not used	Throttle	Not used	Throttle
6	6	6	Choke Pre-heat (diesel)	Throttle	Choke Pre-heat (diesel)	Throttle	Choke
7	7	7	Forward	Right	Right	Right	Right
8	8	8	Reverse	Left	Left	Left	Left
9	9	9	Steer Left	Sec. Dump	Sec. Dump	Sec. Dump	Sec. Dump
10	10	10	Steer Right	Reverse	Reverse	Reverse	Reverse
11	11	11	Steer Bypass	Forward	Forward	Forward	Forward
12	12	12	A.C. Generator (opt)	Torque	Torque	Torque	Torque