



K-D MANITOU, INC.

3120 GHOLSON ROAD
WACO, TEXAS 76705

**T502TC-D, T502TC-DSB
T602TC-D, T602TCP-D
T602TCP-DXL
T802TC-D & T1002TC-D**

S/N: T5020058, T6020625,
T8020167, T10020146 & ABOVE
(excluding S/N: T6020630 & T6020631)

**PARTS MANUAL
SERIES "F"**

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SECTION 2

BRAKE & ACCELERATOR ASSEMBLIES

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STEERING COMPONENTS

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ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
	493133	Steer Axle Assembly (less Items 29 - 39)	1	All except T1002
1	426043	Steer Axle Weldment	1	T1002 Only
1	425675	Steer Axle Weldment	1	All except T1002
2	422252	Cylinder, Steer	2	
3	K71C5301	Pin, Cylinder	2	
4	K72057	Pin, Cotter	4	
5	421458	End, Cylinder	2	
6	423995	Spindle Assembly, (L.H.)	1	
7	423994	Spindle Assembly, (R.H.)	1	
8	421318	Hub Assembly	2	
9	421377	Rod, Tie	1	
10	421459	Clamp	2	
11	421456	End, Tie Rod (R.H.)	1	
12	421457	End, Tie Rod (L.H.)	1	
13	- - - -	Washer	1	Included w/ Items 11 & 12
14	- - - -	Nut, Castle	1	Included w/ Items 11 & 12
15	K72071	Pin, Cotter	2	
16	K45754	Bolt, Hex	4	
17	K33946	Nut, Jam	4	
18	K33799	Nut, Hex	2	
19	K20468	Bolt, Hex	2	
20	421520	Bearing, Thrust	2	
21	426131	Shim	A/R	
22*	421493	Bushing, Garmax	4	
22**	426041	Bushing, Kaiser	4	
23*	423988	Pin, King	2	
23**	426042	Pin, King	2	
24	K134	O-Ring	4	
25	425674	Cover, Dust	4	
26	R13351-3	Washer, Lock	8	
27	K302210	Screw, Soc Hd	8	
28	K87901	Fitting, Grease	4	
29	421510	Cover, Bearing (Front)	1	
30	421180	Pin (Rear)	1	
31	421107	Washer, Thrust	2	
32	421237	Pin (Front)	1	
33	K58758	Cap	1	
34	B5091	Cover, Bearing (Rear)	1	
35	K302281	Screw	4	
36	491956	Support, Mounting	1	
37	K45784	Bolt, Hex	8	
38	K34813	Washer	8	
39	K34674	Nut, Hex	4	

* For use on S/N: T5020057 & below, T6020625 - 0690, T8020167 - 0171, T1002046 - 0148.

** For use on S/N: T4020058, T6020691, T8020178 T10020149 & above.

ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
44	133969	Adapter	1	Powertrain Model 445/545
45	E188EB9	Spring	1	
46	134248	Coupling	1	
47	133971	Washer	1	
48	134724	Ring	1	
49	493608	Bearing Assembly	1	
50	134044	Ring, Lock	1	
51	477269	Cone Assembly (Front)	1	
52	134613	Cone Assembly (Rear)	1	
53	C5NN4614F	Retainer Assembly 2WD (Includes Items 54 & 55)	1	
54	133953	Cup (Front)	1	
55	134251	Cup (Rear)	1	
56	K34810	Washer	5	
57	134434	Bolt	5	
58	134341	Washer	1	
59	E7NN4634AA	Nut, Hex	1	
61	477272	Coupling	1	
62	1803369	Block	1	
63	34808S36	Washer	1	
64	304686S36	Bolt	2	

ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	E7NN4032GA	Housing Assembly (Includes Items 1A-1E)	1	Powertrain Model 655
1A	C5NNN951B	Pin	1	
1B	D3NN7R280A	Plug	1	
1C	C5NN2N477A	Bushing	2	
1D	N803555S36	Plug	1	
1E	D3NN4N143A	Bushing	1	
2	57461S36	Screw	1	
3	E84GF9	Seal	1	
4	383705S36	Nut	1	
5	379313S91	O-Ring	2	
6	E2NN7Z168AA	Gasket	1	
7	E2NN7D117AA	Cover	1	
8	C9NN6734A	Gasket, Drain Plug	1	
9	C9NN6730B	Drain Plug	1	
10	304724S36	Bolt	8	
11	34793S36	Washer	8	
12	C5NNN742A	Gasket	1	
13	C5NN7N508A	Cover	1	
14	304668S36	Bolt	3	
15	C5NN4N023A	Plate	1	
16	304668S36	Bolt	3	
17	304724S36	Bolt	3	
17A	304890S36	Bolt	2	
18	34793S36	Washer	5	
19	E7NN2N336AA	Seal Assembly	1	
20	D3NN4N020A	Cover	1	
21	E5NN4N021BA	Gasket	1	
22	C5NNN722B	Gasket	1	
23	87837S36	Plug	1	
24	304652S36	Bolt	1	
25	C5NNP798A	Seal	1	
26	C5NNN794A	Plug	1	
27	C5NNN795A	Plug	1	
28	E7NN502AA	Gasket	1	
29	E7NN4A028AB	Cover Assembly	1	
30	C5NN4N032A	O-Ring	2	

ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
13	K247-24-20	Fitting	1	All 2WD (Current)
14	KHI-2020	Insert, Beaded	2	
15	B2236-7	Clamp, Hose	2	
16	B760-836	Hose	1	
17	K0M-2090	Fitting	1	
18	K920	O-Ring	1	
19	B800	Pump Hydraulic	1	
19	B7481	Pump, Seal Kit	1	
20	K20526	Bolt, Hex	2	
21	421233	Shaft, Drive	1	
22	K304762	Bolt, Hex	4	
23	K916	O-Ring	3	
24	K62-12	Adapter	1	
25	B760-1684	Hose Assembly	1	
26	B3698-15	Clamp	3	
27	K33799	Nut, Hex	3	
28	K66-12	Adapter	1	
29	K24072-12-16	Fitting, Elbow	1	
30A	B2236-6	Clamp, Hose	2	
30B	B2236-7	Clamp, Hose	2	
31	B760-1228	Hose	1	
32	KHI-1616	Insert, Beaded	1	
33	K247-20-16	Bushing, Reducer	1	
34	422140	Filter, Assembly (Includes 422141)	1	
35	422141	Filter	1	
36	K20346	Bolt, Hex	2	
37	K34806	Washer, Lock	2	
38	B760-1224	Hose	1	
39	B103A10	Elbow, Pipe	1	
40	K62-12-10	Fitting	1	
41	K910	O-Ring	1	
42	K71-12	Fitting, Elbow	2	
43	421511	Tube Assembly	1	
44	B7821	Fitting, "T"	1	
45	B7822	Disconnect, Male	1	
46	B760-1138	Hose Assembly	1	
47	K71-8	Fitting	1	
48a	165688	Fitting (for Item 49a)	1	
48b	495303	Fitting (for Item 49b)	1	
49a	5373	Accumulator (polished stainless)	1	
49b	204220	Accumulator (cast iron, painted)	1	
50	K301514	Screw, Set	2	

ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
68	----	Wiper, Rod	1	All
69	----	Seal, Quad	2	
70	----	Seal, Sectional Exhaust .937 Dia.	2	
71	----	Seal, Sectional Pressure .801 Dia.	2	
72	----	O-Ring	2	
73	----	Ring, Back Up	2	
74	----	O-Ring	2	
75	----	Ring, Back Up	4	
76	----	O-Ring	2	
77	----	Body & Spool Assy (Not Serviced)	1	Order B1588 (Item 66)
78	----	Bracket, Handle	1	
79	----	Collar, Stop	2	
80	----	Spring	1	
81				
82	----	Collar, Spool	1	
83	----	Washer, Lock	1	
84	----	Screw	1	
85	----	Cover	1	
86	----	Screw	4	
87	----	Plug	2	
88	----	Spring	2	
89	----	Plug	2	
90	B1594	Cover, End Std.	1	Includes Items 91 & 92
90	B1589	Cover, End W / Power Beyond	1	Includes Items 91 & 92
91	B1592-48	Seal, Sectional Exhaust .937 Dia.	2	
92	B1592-49	Seal, Sectional Pressure .801 Dia.	2	
93	B1592-60	Plug Assy, Conversion Power Beyond	1	Includes Items 94 - 97
94	B1592-63	Seal	1	
95	B1592-64	Ring, Back Up	1	
96	B1592-62	O-Ring	1	
97	----	Sleeve, Power Beyond	1	
98	B1592-40	Stud, 2 Spool	3	
98	B1592-41	Stud, 3 Spool	3	
98	B1592-42	Stud, 4 Spool	3	
98	B1592-43	Stud, 5 Spool	3	
99	B1592-76	Retainer, Plate Washer	2	
100	B1592-75	Washer, Back Up	2	
101	B1592-74	Seal, O-Ring	2	

ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	492293	Crankshaft	1	201 cu.in. Engine
2	492888	Pulley	1	
3	134411	Key	1	12-88/9-91
3	F0NN6N300AA	Key	1	10-91/ -
4	382675S	Washer	1	
5	304807S36	Bolt	1	
5A	426392	Spacer	1	
6	C5NE6310B	Slinger	1	
7	134061	Seal	1	
8	F0NN6700CA	Seal	1	
9	134060	Gear	1	12-88/9-91
9	E9NN6306AA	Gear	1	10-91/ -
10	134200	Liner Kit Main Bearing	3	Std Red 12-88/9-91
10	425744	Liner Kit Main Bearing	3	Std Blue
10	134202	Liner Kit Main Bearing	3	.002" - .0508mm U/S
10	134203	Liner Kit Main Bearing	3	.010" - .0254mm U/S
10	134204	Liner Kit Main Bearing	3	.020" - .508mm U/S
10	134205	Liner Kit Main Bearing	3	.030" - .762mm U/S
10	134206	Liner Kit Main Bearing	3	.040" - 1.016mm U/S
10	492716	Liner Kit Main Bearing	3	Std Red 9-92/ -
10	FAPN6333B	Liner Kit Main Bearing	3	Std Blue
10	FAPN6333C	Liner Kit Main Bearing	3	.002" - .0508mm U/S
10	FAPN6333D	Liner Kit Main Bearing	3	.010" - .0254mm U/S
10	FAPN6333E	Liner Kit Main Bearing	3	.020" - .508mm U/S
10	FAPN6333F	Liner Kit Main Bearing	3	.030" - .762mm U/S
10	FAPN6333G	Liner Kit Main Bearing	3	.040" - 1.016mm U/S
11	491974	Liner Kit Thrust Bearing	1	Std Red 12-88/9-91
11	134208	Liner Kit Thrust Bearing	1	Std Blue
11	CFPN6337C	Liner Kit Thrust Bearing	1	.002" - .0508mm U/S
11	CFPN6337K	Liner Kit Thrust Bearing	1	.010" - .0254mm U/S
11	CFPN6337L	Liner Kit Thrust Bearing	1	.020" - .508mm U/S
11	CFPN6337M	Liner Kit Thrust Bearing	1	.030" - .762mm U/S
11	CFPN6337N	Liner Kit Thrust Bearing	1	.040" - 1.016mm U/S
11	492717	Liner Kit Thrust Bearing	1	Std Red 9-92/ -
11	FAPN6337B	Liner Kit Thrust Bearing	1	Std Blue
11	FAPN6337C	Liner Kit Thrust Bearing	1	.002" - .0508mm U/S
11	FAPN6337D	Liner Kit Thrust Bearing	1	.010" - .0254mm U/S
11	FAPN6337E	Liner Kit Thrust Bearing	1	.020" - .508mm U/S
11	FAPN6337F	Liner Kit Thrust Bearing	1	.030" - .762mm U/S
11	FAPN6337P	Liner Kit Thrust Bearing	1	.040" - 1.016mm U/S
13	425720	Seal	1	
14	E7NN6375AA	Flywheel Assembly (Includes Items 15 & 16)	1	
15	493543	Gear	1	
16	136463	Bolt, Hex	6	
17	E5HN6N306AC	Retainer Assembly	1	12-88/3-94
17	87840361	Retainer Assembly	1	4-94/ -
18	426389	Gasket	1	
19	57635S36	Screw & Washer	8	
20	492313	Seal, O-Ring	1	

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ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	K3660023112	Housing, Valve	1	ALL
2	492280	Gasket	1	
3	K0113351030	Bolt, Hex	6	
3	K0112351030	Bolt, Hex	6	
4	K0151751028	Stud	2	
4	K0151351028	Stud	2	
5	K0451250100	Washer, Spring	2	
6	K0217650100	Nut, Hex	2	
6	K0215650100	Nut, Hex	2	
7	K0501201016	Pin, Knock	2	
8	K3660223071	Plug	1	
9	K3660223081	Plug	1	
10	K3660223091	Plug	1	
11	K3660223171	Plug	1	
12	K3660223183	Spring	1	
13	K0771500803	Ball	1	
14	477034	Spool	1	
15	477062	Spring	1	
16	K3660223241	Plug	1	
17	477037	O-Ring	1	
18	477038	Cap, 1	1	
19	477039	O-Ring	1	
20	477040	Cap, 2	1	
21	477041	O-Ring	1	
22	477042	Seat	1	
23	477043	Spring	1	
24	477044	Ball	1	
25	477045	Shim	A/R	
26	477046	Stator Support Assembly	1	
27	K0112350820	Bolt, Hex	4	
28	477048	Pin, Knock	2	
29	492266	Ring, Seal	1	
30	477050	Valve Assembly, Proportional (Includes Items 31-34)	1	
31	426569	Valve, Proportional	1	
31A	426571	Solinold, w/Bolts	1	Powertrain Model 655
31A	K3660624151	Solinold, w/Bolts	1	Powertrain Model 545
32	426570	Gasket	1	

ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	K3660028512	Shaft, Output	1	Powertrain Model 655
1	K3660028511	Shaft, Output	1	Powertrain Model 545
2	424074	Bearing, Taper Roller	1	All
3	K3660228822	Bearing	1	
4	492726	Collar, Thrust	1	
5	K3660028551	Collar, Thrust	1	
6	424075	Seal, Oil	1	
7	492727	4th Gear, 23T	1	
8	492728	Coupling	1	
9	477085	Ring, Snap	2	
10	492889	3rd Gear, 32T	1	
11	K3660028671	2nd Gear, 43T	1	
11*	K3660028672	2nd Gear, 43T	1	
12	492730	Collar, Inner Thrust	2	
13	492731	Ring, Snap	1	
14*	K3660028732	1st Gear, 49T	1	
14	K3660028731	1st Gear, 49T	1	
15	K3660234701	Synchronizer Assembly	1	Powertrain Model 655
15	K3660234702	Synchronizer Assembly	1	Powertrain Model 545
16*	K3660234701	Synchronizer Assembly	1	
16	K3660234711	Synchronizer Assembly	1	

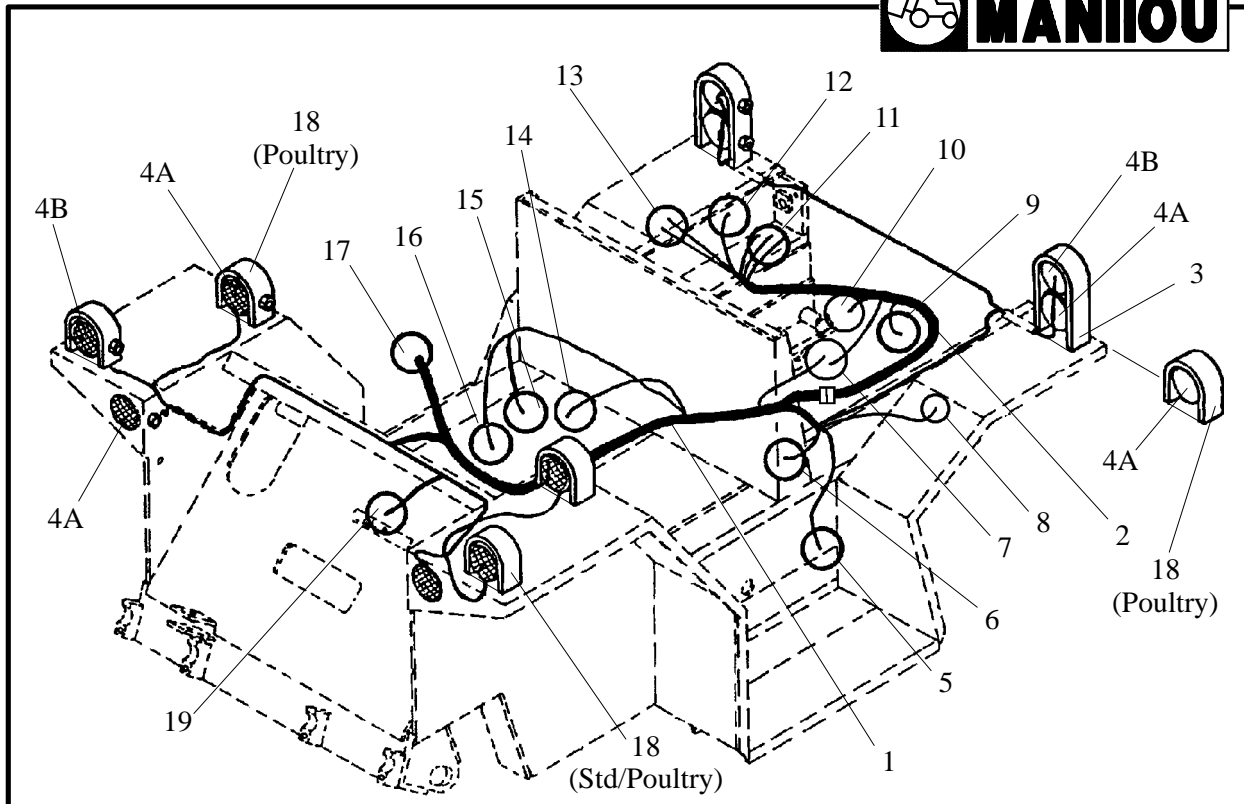
* These Items used After Transmission Date Code 9L30 (Dec. 30, 1989) must be replaced simultaneously.

ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	425517	Cooler, Oil	1	All, Nov '91 thru Mar '93 (approx.)
2	425788	Hose Assembly	1	
3	425535	Hose Assembly	1	
4	477232	Tube Assembly	1	
5	477236	O-Ring	8	
6	390828S36	Connector	1	
7	136366	O-Ring	1	
8	477237	Elbow	1	
9	136365	O-Ring	2	
10	390938S36	Connector	1	
11*	477232	Filter & Adapter Assembly	1	
12	425657	Filter	1	
13	304684S36	Bolt, Hex	2	
14	304686S36	Bolt, Hex	3	
15	E7NN7C14BA	Bracket, Oil Filter	1	
16	390999S36	Elbow	1	
17	425283	Sender	1	
18	425789	Hose Assembly	1	
19	302355S36	Bolt, Hex	2	
20	34791S36	Washer	2	
21	D5NN9N790A	Spacer	2	
22	44720S36	Washer	2	
23	33797S36	Nut, Hex	2	

* Includes Item 12

ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	424585	Complete Injector	3	201 cu.in. Engine
2	304758S36	Bolt, Hex	6	
3	34791S36	Washer, Lock	6	
4	109144	Tubing	1	
5	E9NN9A557AA	Tube Assembly	1	
6	E9NN9A555AA	Tube Assembly	1	
7	E9NN9A556AA	Tube Assembly	1	
8	491894	Fuel Sedimenter & Filter Assy	1	
9	E8NN9N663AA	Bolt, Hex	1	
10	E8NN9F278AA	Washer	2	
11	E9NN9B273AA	Tube Assembly	1	
12	E9NN9C330AB	Tube Assembly	1	
13	107232	Connector	1	
14	87010S94	Seal, O-Ring	1	
15	493617	Primer Assembly	1	
16	E9NN9N363AA	Tube Assembly	1	
17	492831	Washer	2	
18	134555	Bolt, Hex	1	
19	424045	Pump Assembly	1	
20	134679	O-Ring	1	
21	105550	Pin	1	
22	134779	Gear Assembly, Includes Item 22	1	
23	42974S36	Bolt, Hex	3	
24	134491	Bolt	3	
25	380201S36	Washer	3	
26	390025S	Elbow	1	
27	E9NN9N445AB	Tube Assembly	1	
28	426556	Plug Assembly	1	
29	134237	Washer	2	
30	492463	Bolt, Hex	1	

WIRING HARNESS

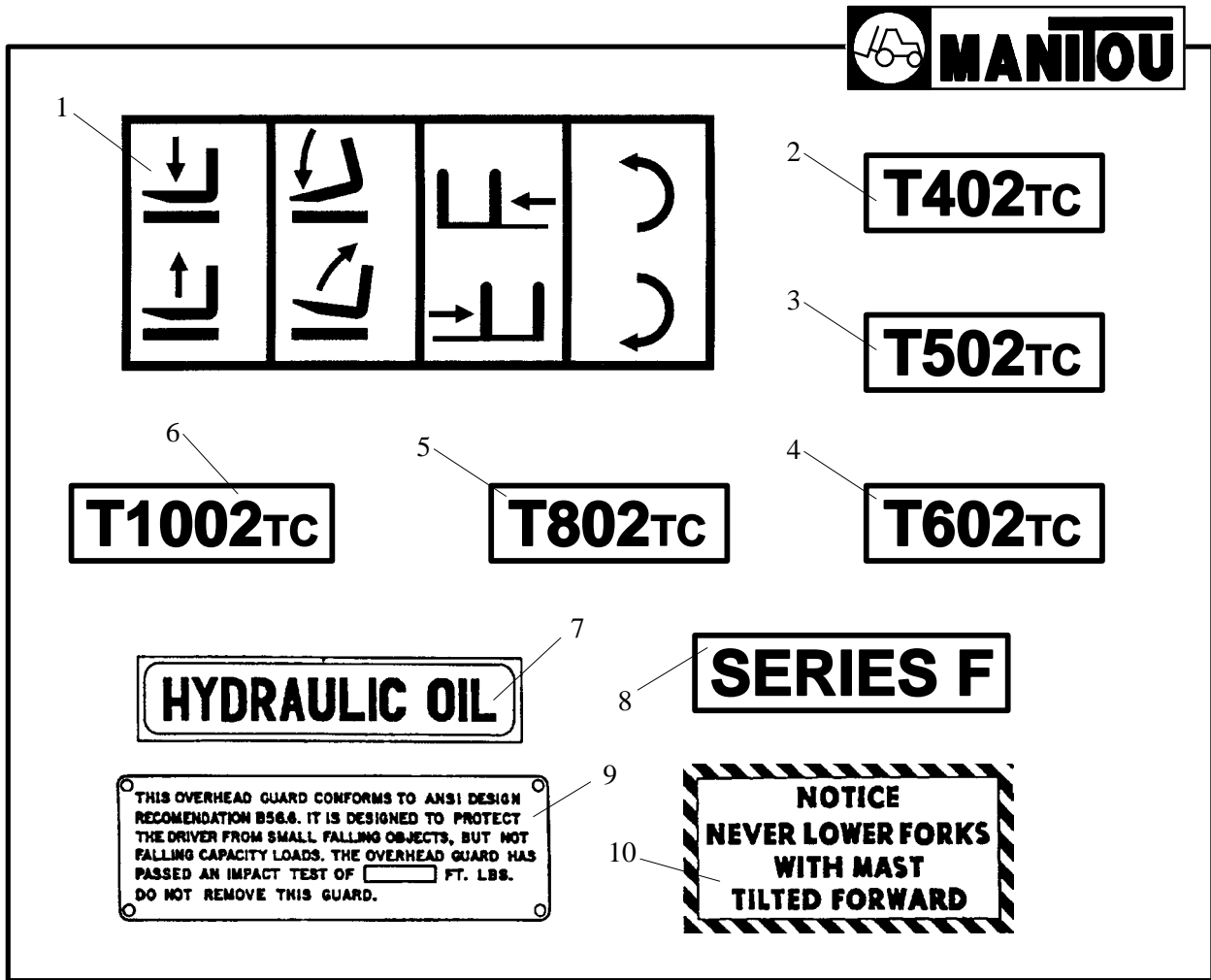


ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	426078	Harness, Main Wiring	1	All except Early
1	425450	Harness, Main Wiring	1	Early, w/ external Relay
2	426079	Harness, Engine Wiring	1	
3	424179	Guard, Dual Light	2	Poultry
4A	B3344	Light, White	4/6	Std/Poultry
4B	B1335	Light, Red	4	Poultry
5	B5635	Sensor, Fuel Level	1	
6	B862	Pump, Fuel	1	
7	421204	Starter Motor	1	
8	B6891	Alarm, Backup	1	
9	426556	Plug, Heater	1	
10	B1272	Sender, Water Temp.	1	
11	426090	Alternator	1	
12	B1277	Sender, Oil Pressure	1	
13	421226	Sensor, Air Restriction	1	
14	425460	Control, Transmission	1	
15	425283	Sender, Trans. Oil Temp.	1	
16	491841	Switch Assembly, Safety	1	
17	(Ref)	To Instruments		
18	424178	Guard, Light	4/6	Std/Poultry
19	B7642	Horn	1	

SECTION 11
FRAME, HOOD, WEIGHTS, OVERHEAD GUARD

<u>DESCRIPTION</u>	<u>PAGE</u>
FRAME & 95" OVERHEAD GUARD	11-2
MAST & DRIVE AXLE MOUNTING	11-3
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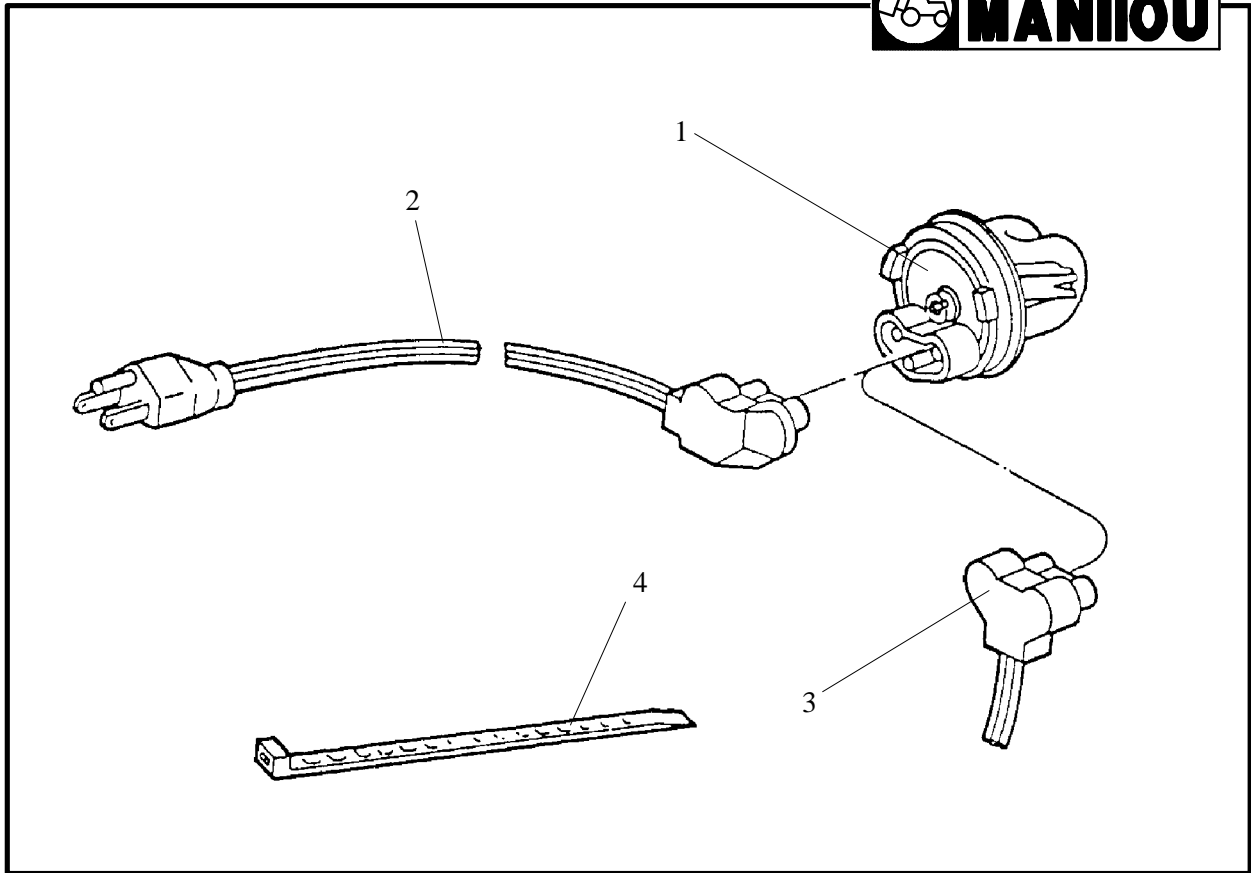
DECALS



ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
1	B363	Decal, Valve Spool	1	ALL
2	425947	Decal, Model T402	2	T402
3	420748	Decal, Model T502	2	T502
4	420751	Decal, Model T602	2	T602
5	420755	Decal, Model T802	2	T802
6	424183	Decal, Model T1002	2	T1002
7	B4794	Decal, Hydraulic Oil	1	ALL
8	425632	Decal, Series F	2	
9	B6109	Plate, Overhead Guard	1	
10	R40	Decal, Warning	1	

NOTE: For Decal locations, see Drawing 425949.

ENGINE BLOCK HEATER



ITEM	PART NUMBER	DESCRIPTION	QTY	MODEL
	424563	Engine Block Heater Assembly (Includes Items 1 thru 5)	1	All
1*	----	Heater, Engine Block	1	
2*	----	AC Power Cord	1	
3*	----	Plug	1	
4*	----	Wire Tie	1	
5*	----	Installation Instructions (not shown)	1	

* Not sold separately, included with 424563 Engine Block Heater Assembly.

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