

T245 HDK

Skid Steer Loader



Parts Manual

Publication No. 044886-1

Serial number LM001300

to LM001600

THOMAS EQUIPMENT LIABILITY WARRANTY

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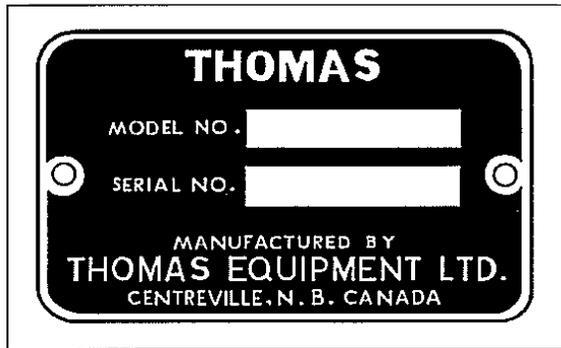
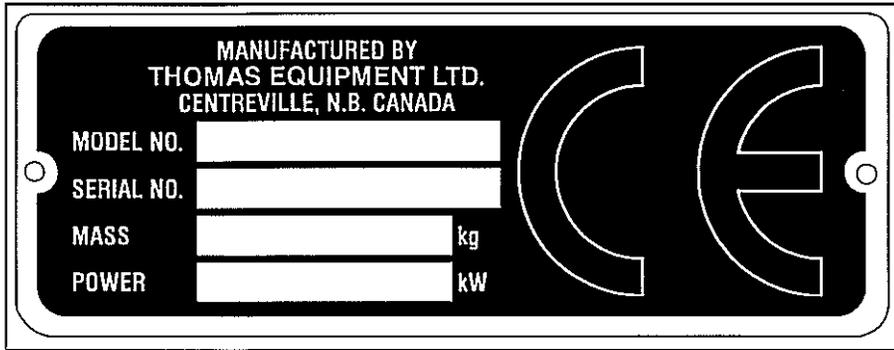
PURCHASER MAY NOT ATTEMPT TO ENLARGE ITS RIGHTS UNDER THE WARRANTY BY MAKING A CLAIM FOR INDEMNITY, FOR BREACH OF CONTRACT, FOR BREACH OF COLLATERAL WARRANTY, FOR A TORT (INCLUDING NEGLIGENCE, MISREPRESENTATION OR STRICT LIABILITY) OR BY CLAIMING ANY OTHER CAUSE OF ACTION.

THE WARRANTY IS A CONDITION OF SALE OF THE PRODUCT TO PURCHASER AND WILL THEREFORE APPLY EVEN IF PURCHASER ALLEGES THAT THERE IS A TOTAL FAILURE OF THE PRODUCT.

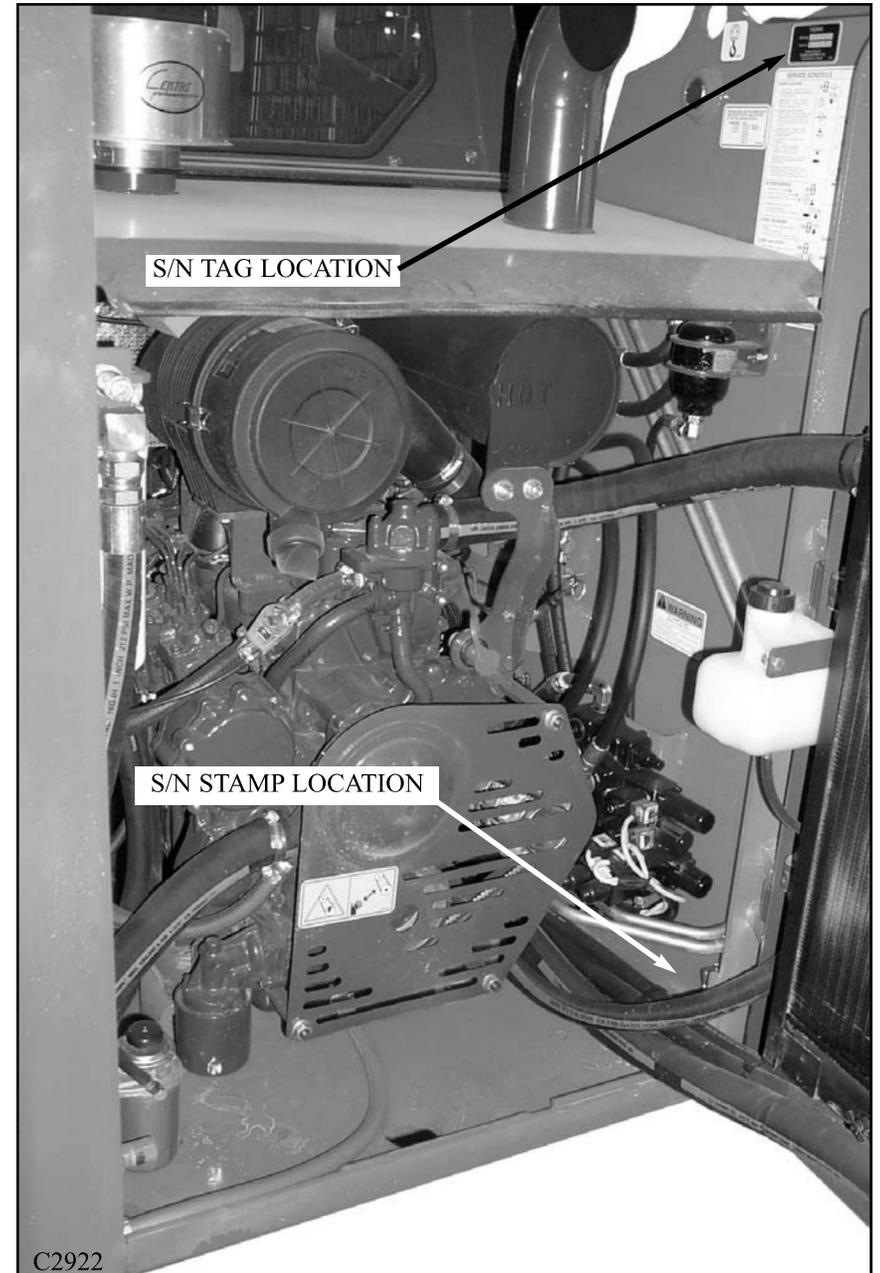
*N.B. Read and practice your **Thomas** operating and servicing instructions. Failure to do this may void your warranty.*

Publication Number 44886-1

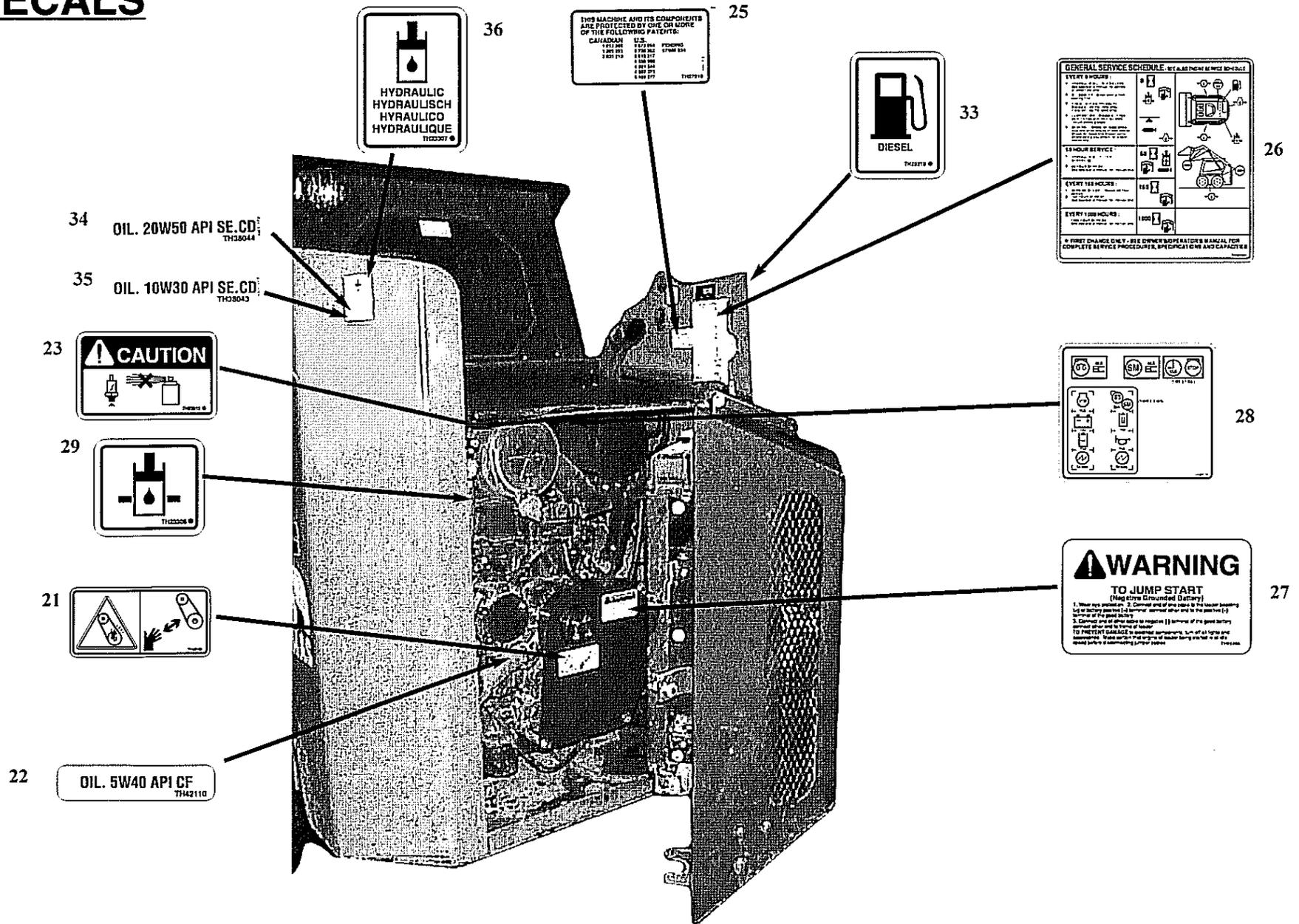
October 2000



It is important when ordering replacement parts or making a service inquiry to provide both the model number and serial number of your Thomas loader. The serial number plate is located at the rear of the machine on the right hand side. In the event that the serial number plate is missing, the model number and serial number are both stamped into the main frame inside the rear door, right hand side, next to the fuel line shut off petcock (Fig. C2922).



DECALS



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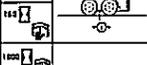
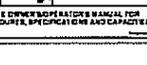
 HYDRAULIC
 HYDRAULISCH
 HYDRAULICO
 HYDRAULIQUE
 TH22207

25
 THIS MACHINE AND ITS COMPONENTS
 ARE PROTECTED BY ONE OR MORE
 OF THE FOLLOWING PATENTS:
 CANADIAN U.S. FOREIGN
 1,000,000 1,000,000 1,000,000
 2,000,000 2,000,000 2,000,000
 3,000,000 3,000,000 3,000,000
 4,000,000 4,000,000 4,000,000
 5,000,000 5,000,000 5,000,000
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 9,000,000 9,000,000 9,000,000
 10,000,000 10,000,000 10,000,000

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 DIESEL
 TH22279

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GENERAL SERVICE SCHEDULE - SEE & AS THERE SERVICE SCHEDULE	
EVERY 8 HOURS:	
EVERY 16 HOURS:	
EVERY 32 HOURS:	
EVERY 64 HOURS:	
EVERY 128 HOURS:	
EVERY 256 HOURS:	

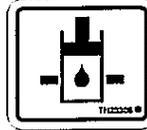
IF FIRST CHANCE ONLY - SEE OPERATOR'S MANUAL FOR COMPLETE SERVICE PROCEDURES, SPECIFICATIONS AND CAPACITIES

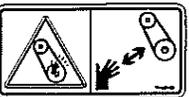
34
 OIL. 20W50 API SE.CD
 TH28044

35
 OIL. 10W30 API SE.CD
 TH28043

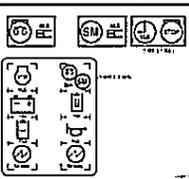
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 CAUTION
 TH28042

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 TH22206

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 OIL. 5W40 API CF
 TH42110

28


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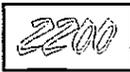
WARNING
TO JUMP START
 (High Current Circuit and Battery)
 1. Wear eye protection. 2. Connect end of one jump to the battery (positive) lead or battery terminal (a terminal, terminal stud and to the positive (-) terminal of the good battery.
 3. Connect end of other cable to negative (+) terminal of the good battery, connect other end to frame of loader.
 4. PREVENT CONTACT to electrical components, turn off all lights and accessories. Avoid contact with engine of loader being started or with related parts of connecting jumper system.
 TH28041

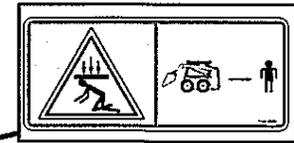
DECALS

40.
Appears on
ProTough 2200
ONLY!

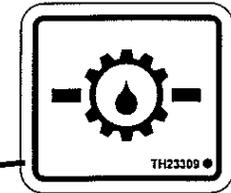
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THOMAS
Appears on
T245HDK

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1. 23334	9. 25460	17. 35935	25. 37010	33. 23310
2. 39196	10. 37059	18. 23301	26. 42106	34. 38044
3. 39191 (4) (N/A on ProTough 2200)	11. 35886	19. 39192 (4)	27. 23325	35. 38043
4. 42107	12. 43791	20. 41045	28. 42529	36. 23307
5. 33859	13. 36598	21. 42108	29. 23308	37. 46378 RH
6. 35885	14. 41066	22. 42110	30. 23309	38. 46379 LH
7. 37060	15. 23326	23. 23312	31. 46377	38. 37012
8. 36841	16. 32275	24.	32. 41065	39. 44615
				40. 46375

PART	QTY	DESCRIPTION	PAINT		
43780	1	Common Decal Kit. Contains all decal's required to retrofit a cosmetic over haul except decal part numbers 43791 (throttle control, 1 required), 44876 (245 HDK designation, 2 required), 42106 (service schedule, 1 required), 42108 (belt guard, 1 required) and 42110 (5W40 oil, 1 required)	40970	-	Orange paint, aerosol
			41123	-	Grey paint, aerosol
			41778	1	Orange paint, pre - mixed, per litre
			41738	1	Grey paint, pre - mixed, per litre
41544	1	Decal kit, Dutch (supplements 43780)			
41545	1	Decal kit, German (supplements 43780)			
41546	1	Decal kit, French (supplements 43780)			
41547	1	Decal kit, Italian (supplements 43780)			
41548	1	Decal kit, Spanish (supplements 43780)			
41576	1	Decal kit, Danish (supplements 43780)			

DECAL'S and PAINT

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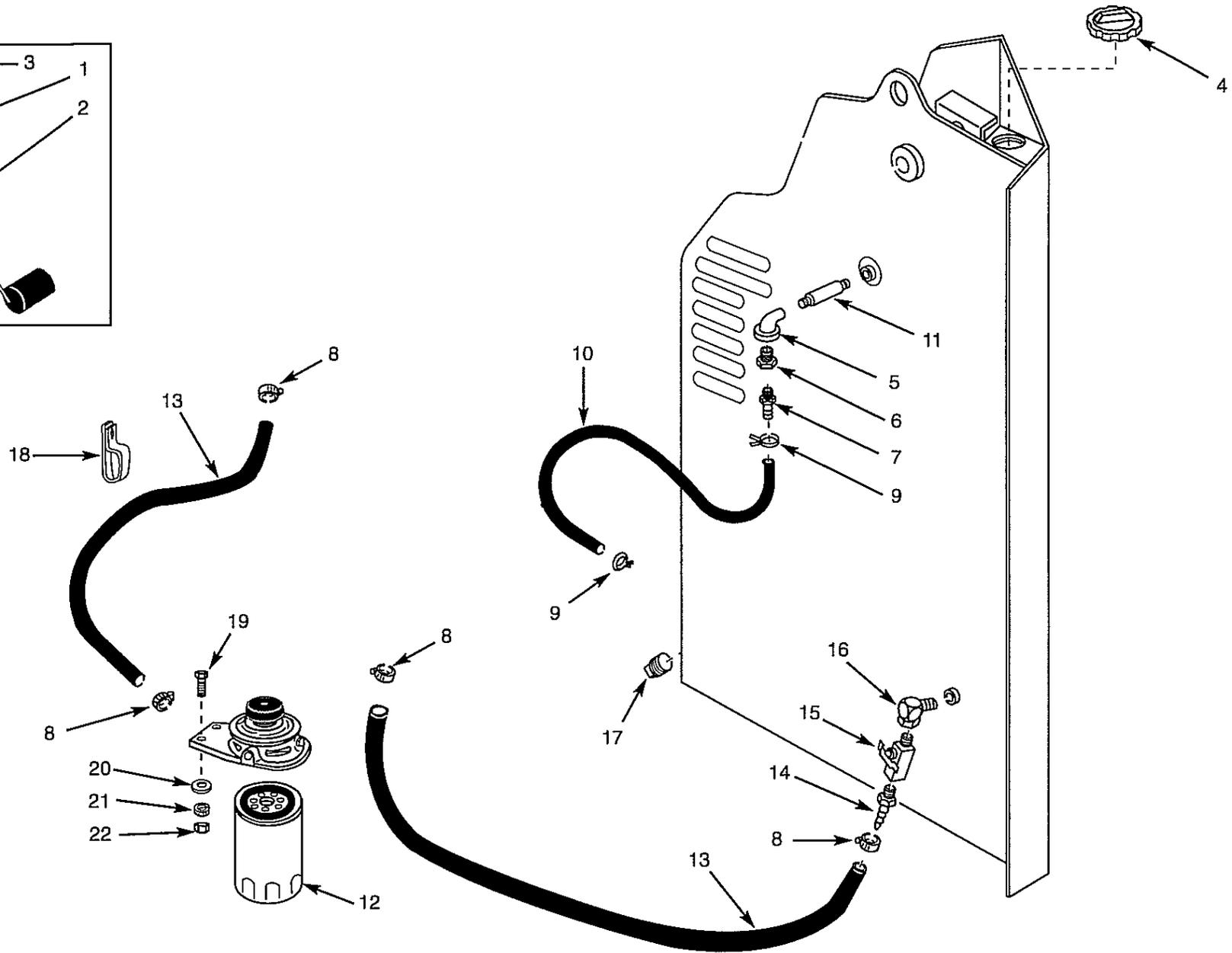
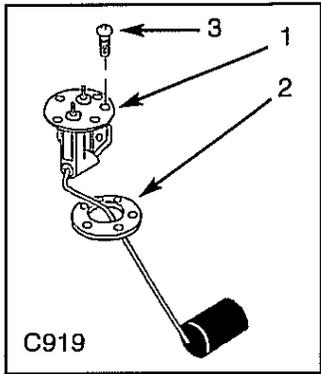
OPTIONAL EQUIPMENT 8

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FUEL SYSTEM

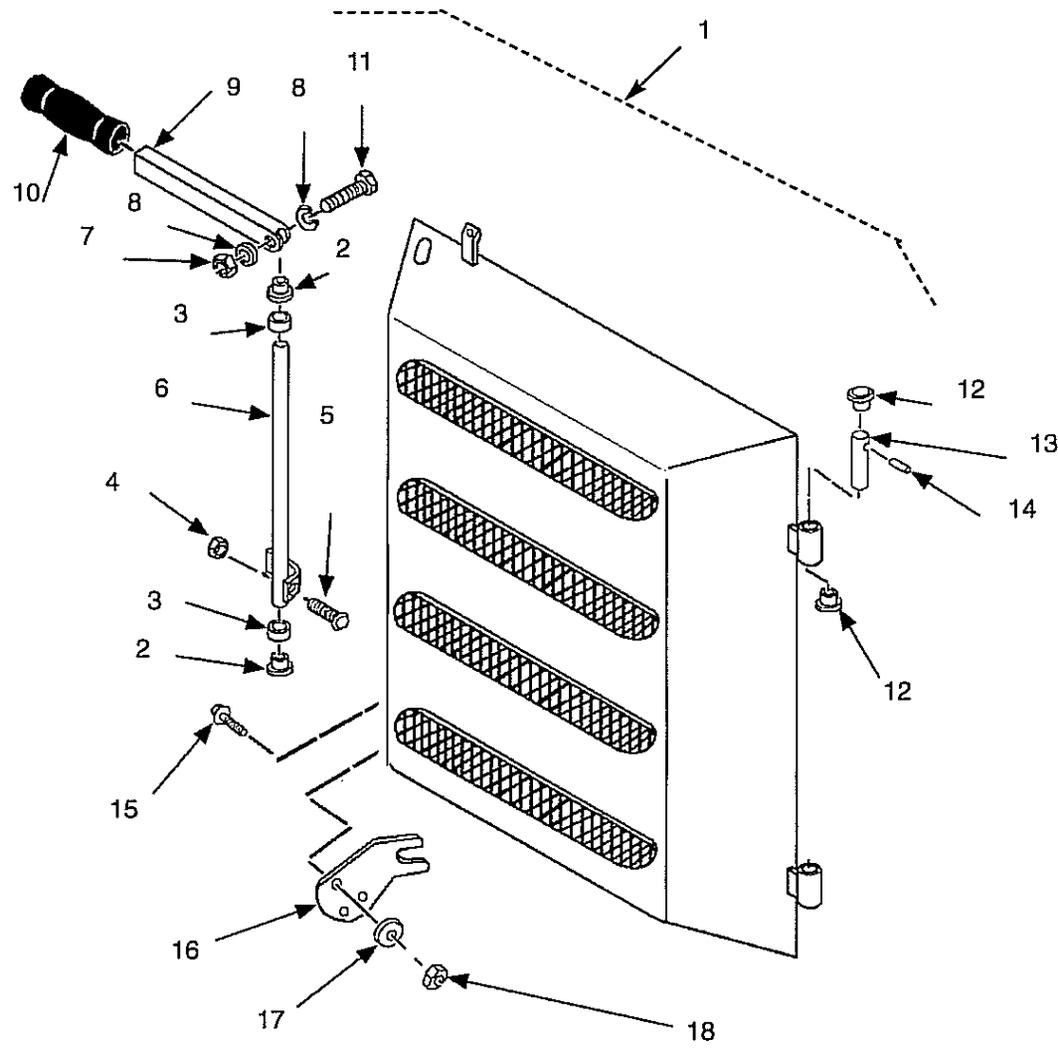
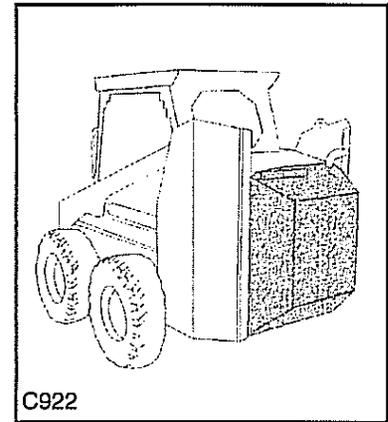
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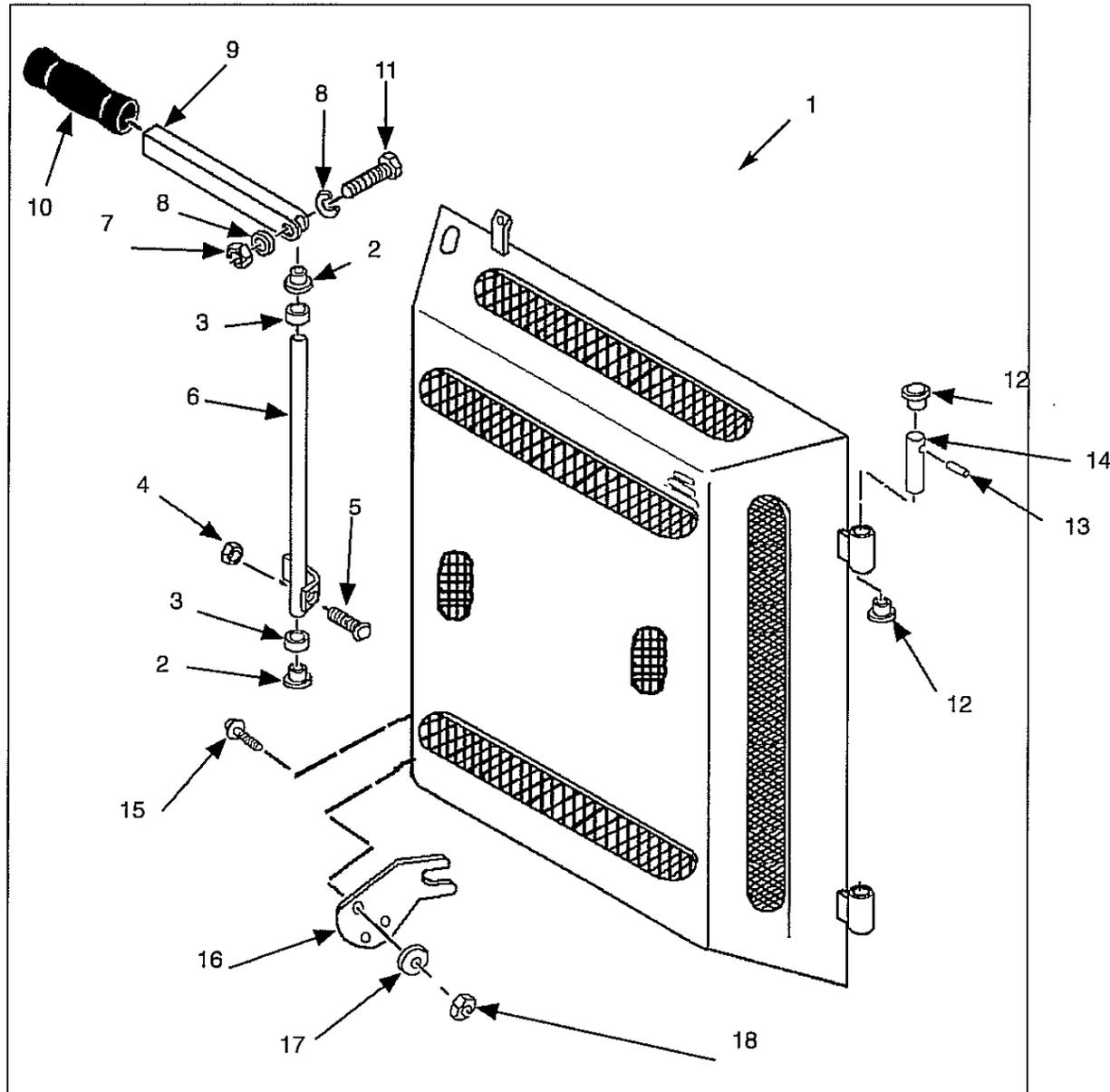
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ITEM	PART	QTY	DESCRIPTION
1.	41627	1	Sender, fuel level
2.	24264	1	Gasket, fuel sender
3.	23194	5	Screw
4.	40921	1	Fuel cap
4.	40922	1	Locking fuel cap (option)
5.	42573	1	Elbow
6.	42572	1	Reducer bushing
7.	18313	1	Barbed nipple
8.	19949	4	Hose clamp
9.	26737	2	Hose clamp
10.	407	A / R	Return line, 1/4" (per foot)
11.	42571	1	Nipple
12.	42561	1	Fuel filter element
13.	261	A / R	Fuel line, 5/16" (per foot)
14.	23861	1	Barbed nipple
15.	14797	1	Shut off petcock
16.	42574	1	Elbow, 90°
17.	1458	1	Drain plug
18.	41024	1	Cable clip
19.	1387	2	Bolt
20.	1643	2	Flat washer
21.	1642	2	Lock washer
22.	1194	2	Nut

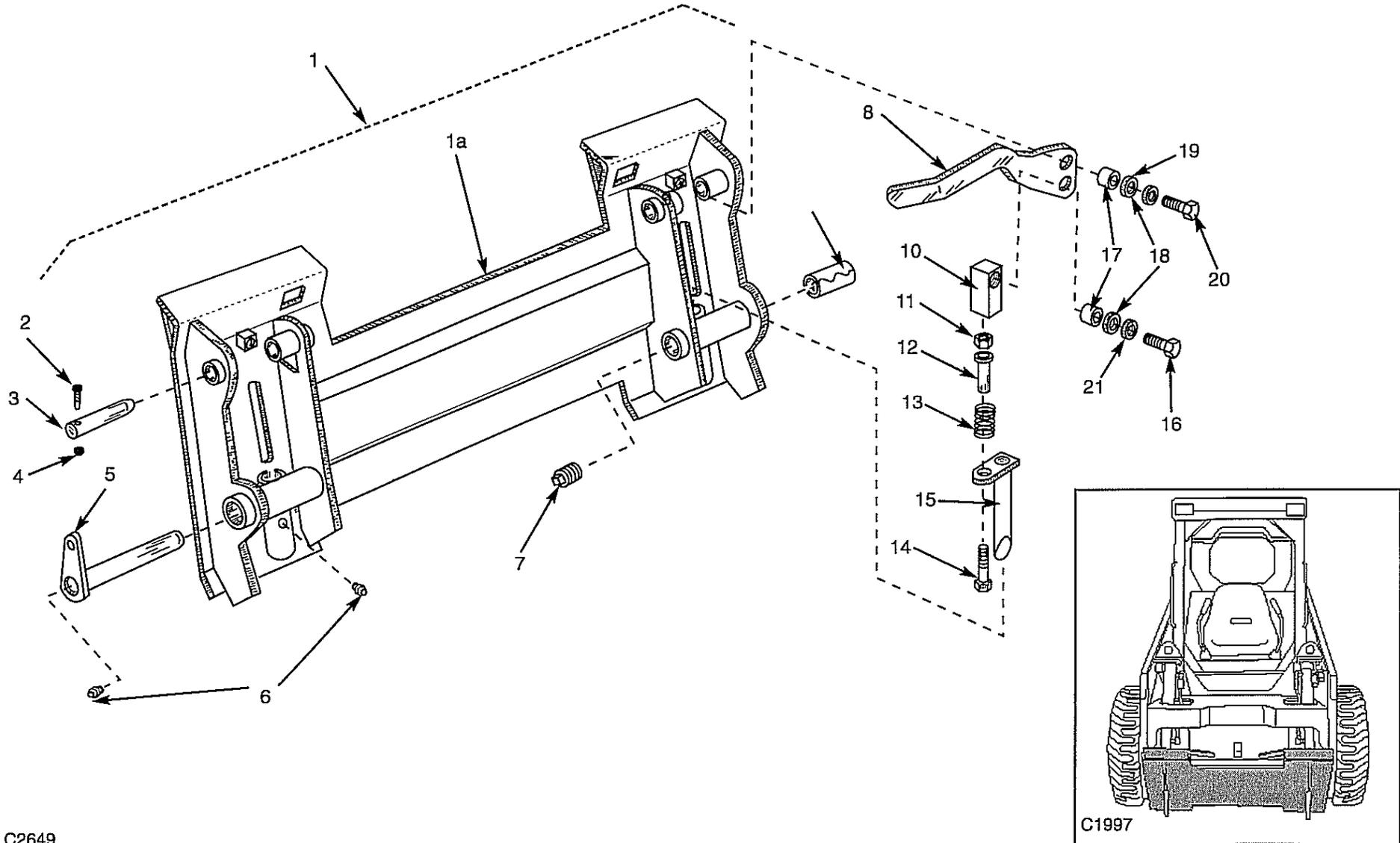
REAR DOOR (ProTough 2200 Model)



ITEM	PART	QTY	DESCRIPTION
1.	963082	1	Rear door assembly
2.	16989	2	Bearing
3.	4842	2	Set collar
4.	20860	1	Nut
5.	2823	1	Bolt
6.	961614	1	Lock shaft assembly
7.	16771	1	Lock nut
8.	1651	2	Flat washer
9.	35426	1	Handle
10.	3189	1	Handle grip
11.	1678	1	Bolt
12.	31488	4	Bearing
13.	46227	2	Pivot pin
14.	31489	2	Split pin
15.	2835	3	Bolt
16.	41956	1	Guide plate
17.	15733	3	Flat washer
18.	7465	3	Lock nut



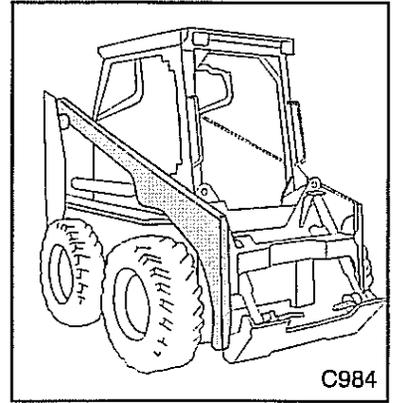
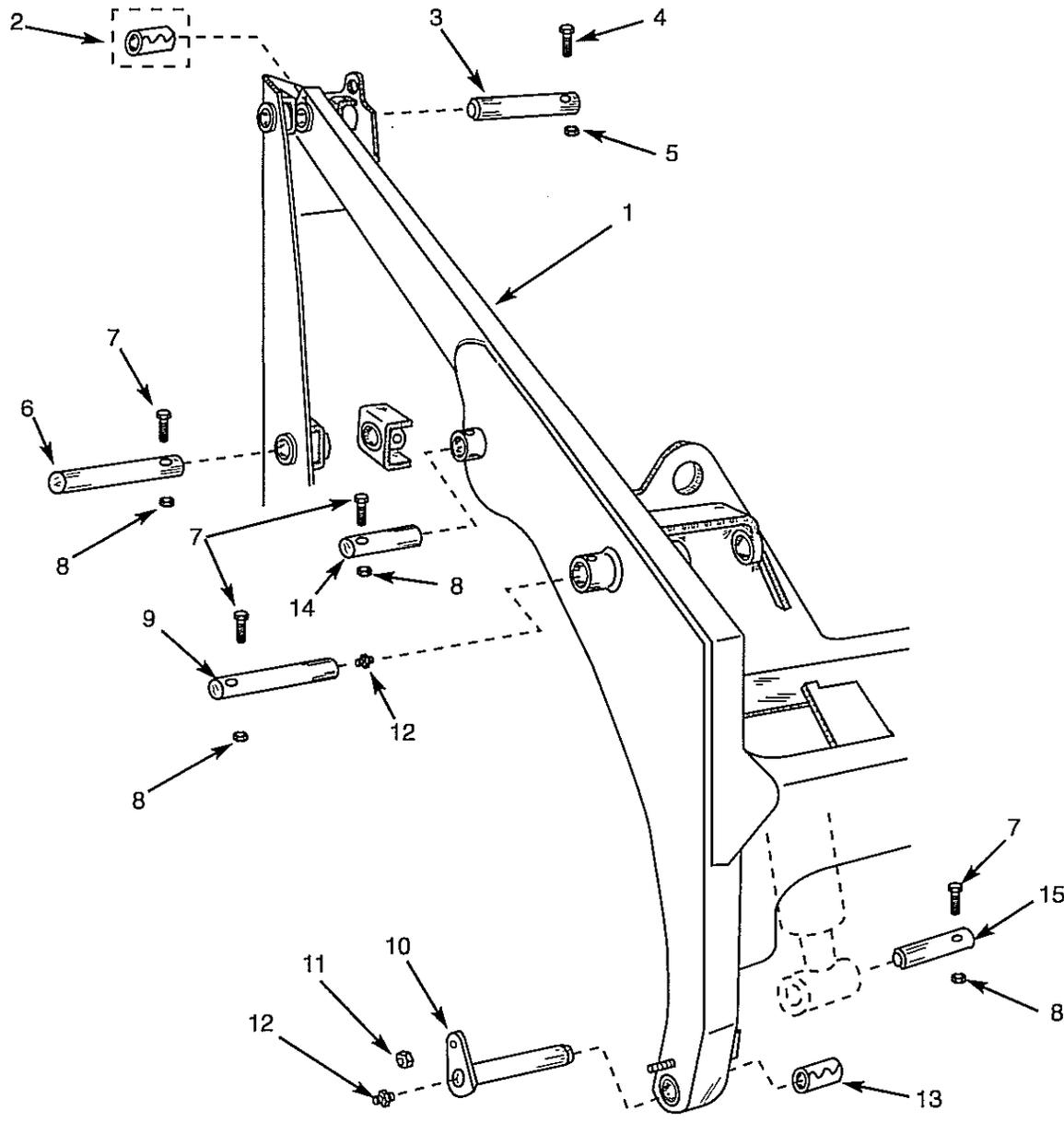
ITEM	PART	QTY	DESCRIPTION
1.	963082	1	Rear door assembly
2.	16989	2	Bearing
3.	4842	2	Set collar
4.	20860	1	Nut
5.	2823	1	Bolt
6.	961614	1	Lock shaft assembly
7.	16771	1	Lock nut
8.	1651	2	Flat washer
9.	35426	1	Handle
10.	3189	1	Handle grip
11.	1678	1	Bolt
12.	31488	4	Bearing
13.	46227	2	Pivot pin
14.	31489	2	Split pin
15.	2835	3	Bolt
16.	41956	1	Guide plate
17.	15733	3	Flat washer
18.	7465	3	Lock nut



ITEM	PART	QTY	DESCRIPTION
1.	U-2326	1	Quick-tach ass'y with hardened pins
1a.	961696	1	Quick attach less pivot pins
2.	7458	2	Bolt
3.	43636	2	Pivot pin (hardened)
4.	16771	2	Lock nut
5.	43634	2	Pivot pin (hardened)
*	8613	2	Lock nut for pivot pin
6	2010	4	Grease fitting
7.	1458	2	Plug
8.	41290	1	Lock handle, right hand
*	41291	1	Lock handle, left hand
9.	41318	2	Hardened bushing
10.	40614	2	Linkage block
11.	20860	2	Nut
12.	42350	2	Bushing
13.	41391	2	Spring
14.	2011	2	Bolt
15.	961834	1	Lock pin, right hand
*	961833	1	Lock pin, left hand
16.	3321	2	Bolt
17.	22653	4	Bushing
18.	23385	4	Flat washer
19.	41392	2	Belleville spring washer
20.	1680	2	Bolt
21.	20861	2	Lock washer

BOOM ARMS and PIVOT PINS

1.4

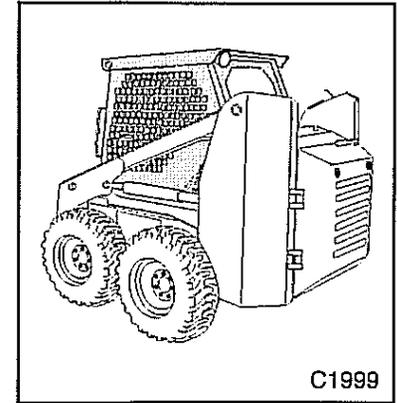
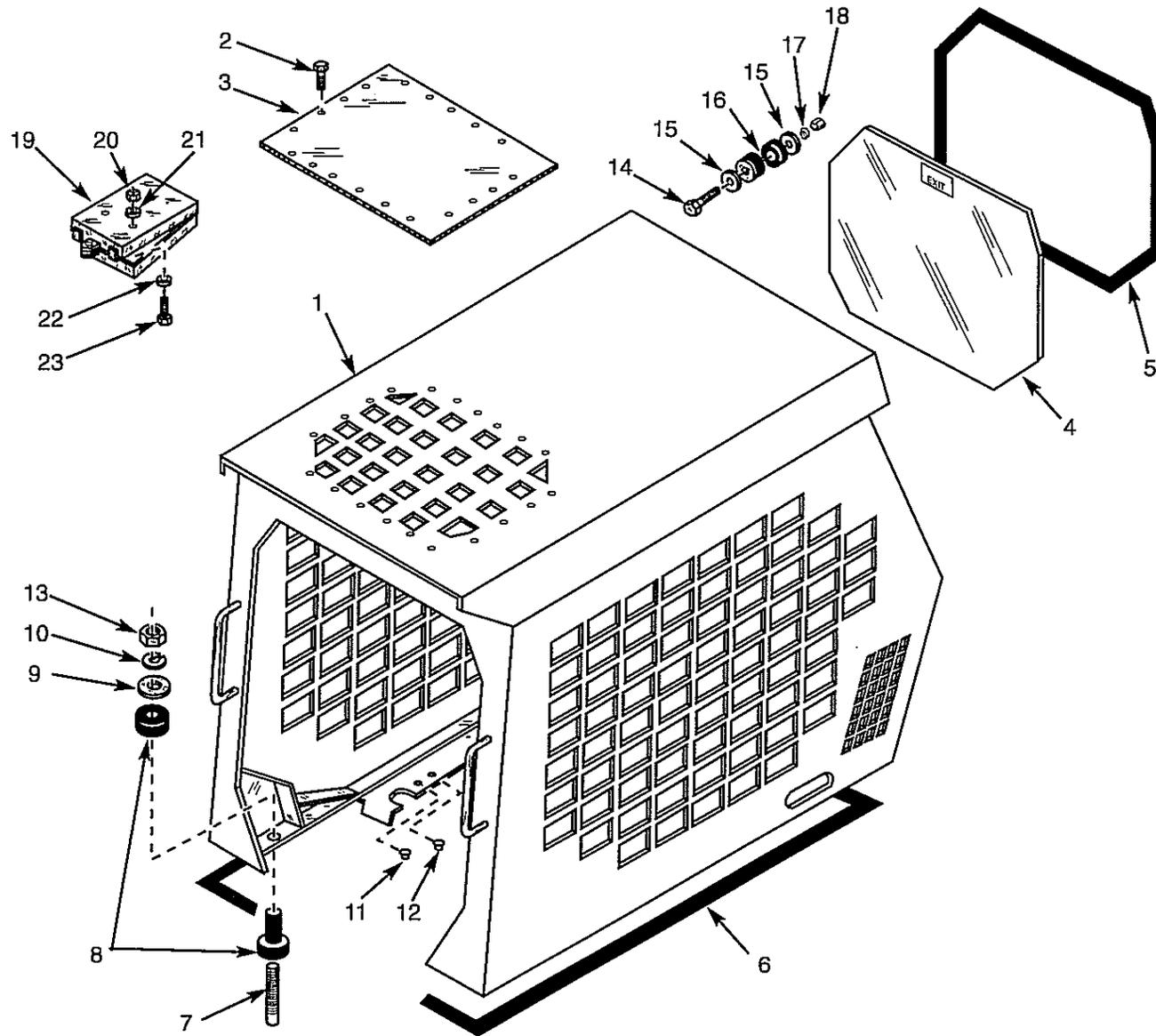


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ITEM	PART	QTY	DESCRIPTION
1.	962313	1	Boom arm assembly
2.	43631	2	Hardened bushing
3.	43635	2	Pivot pin, hardened
4.	1671	2	Bolt
5.	7465	2	Lock nut
6.	43637	2	Pivot pin, hardened
7.	7458	8	Bolt
8.	16771	8	Lock nut
9.	43497	2	Pivot pin
10.	43634	2	Pivot pin, hardened
11.	8613	2	Lock nut
12.	2010	4	Grease fitting
13.	43633	2	Hardened bushing
14.	43401	2	Pivot pin
15.	43636	2	Pivot pin, hardened

R.O.P.S. ASSEMBLY

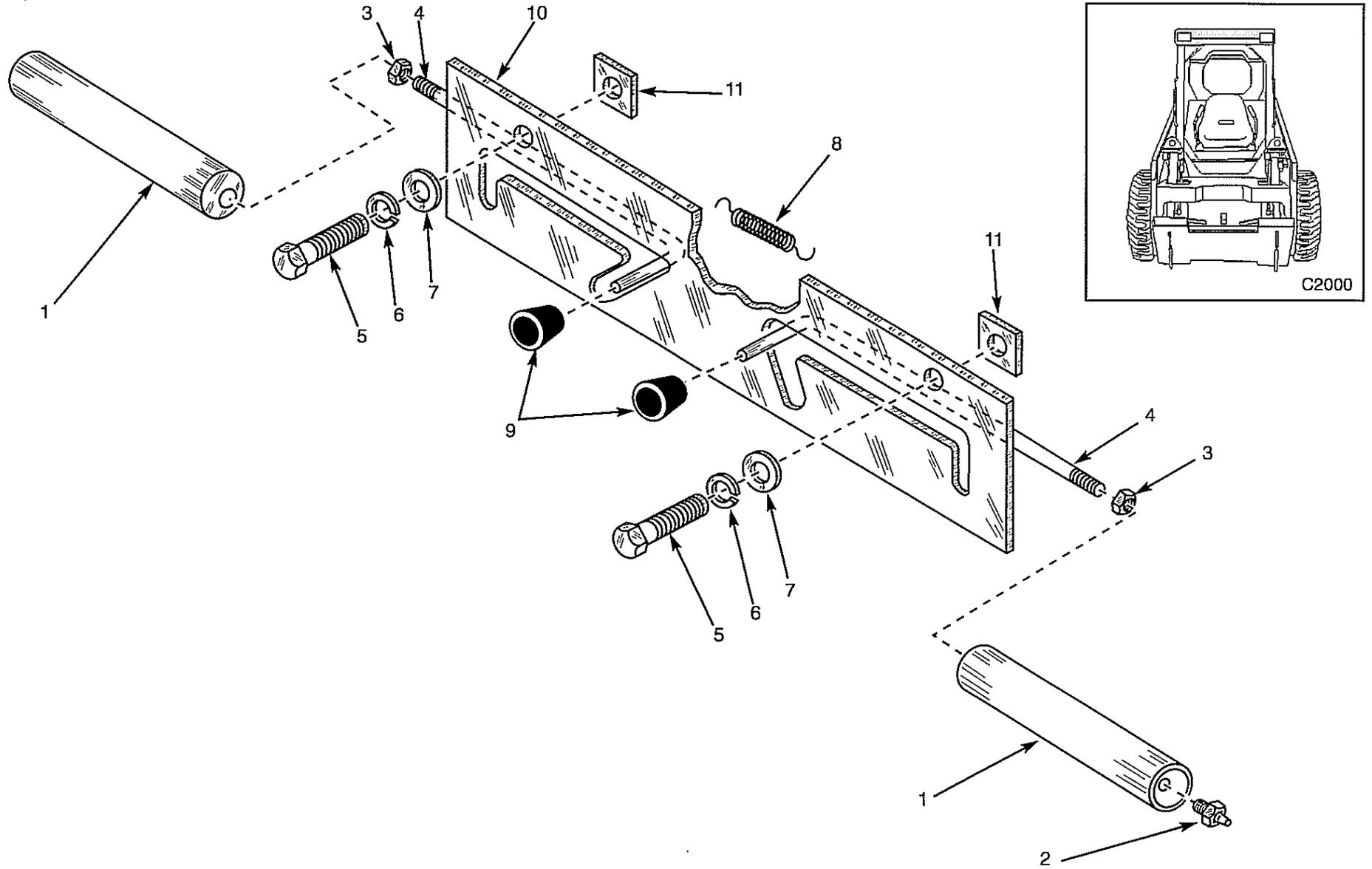
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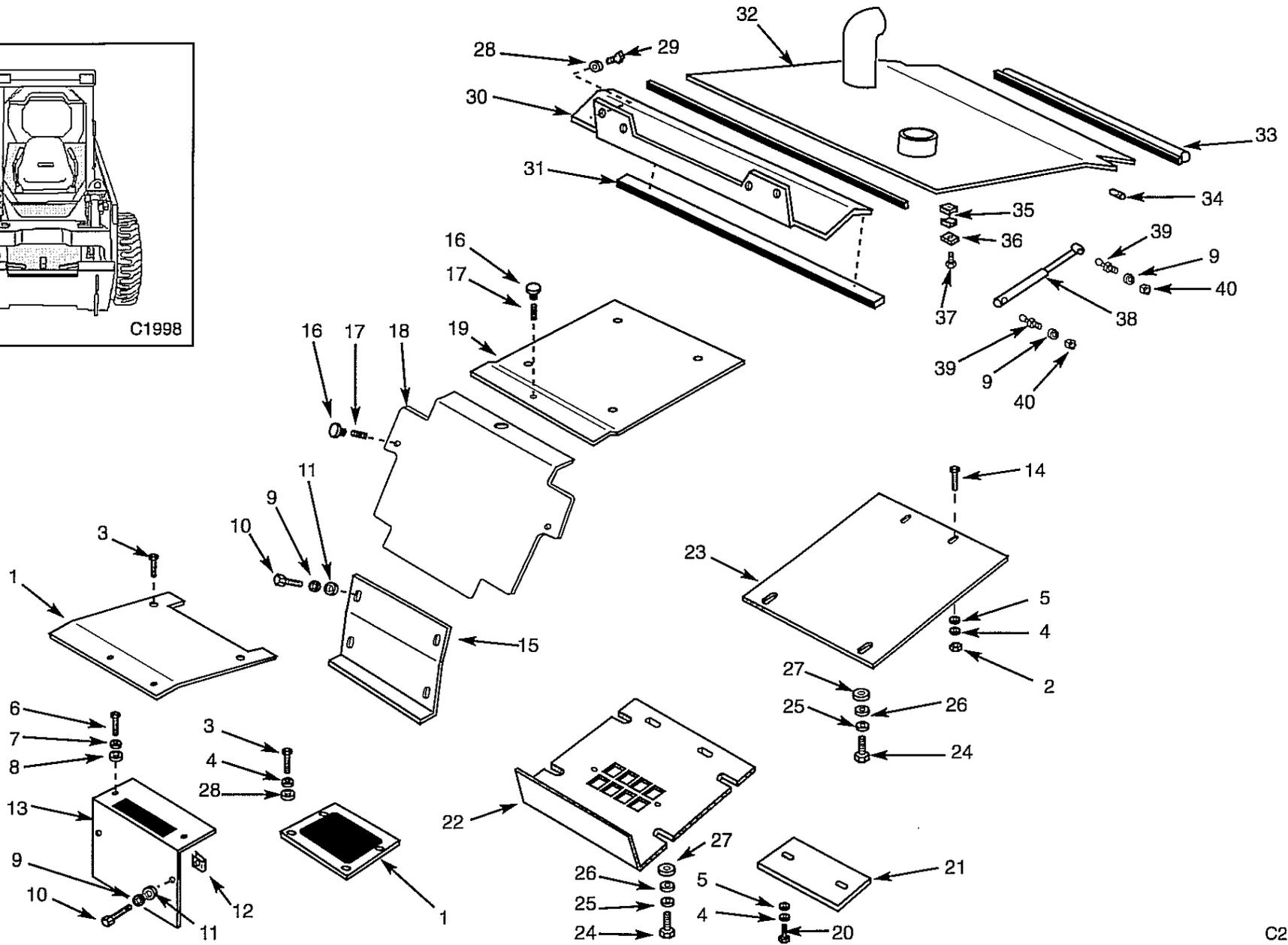
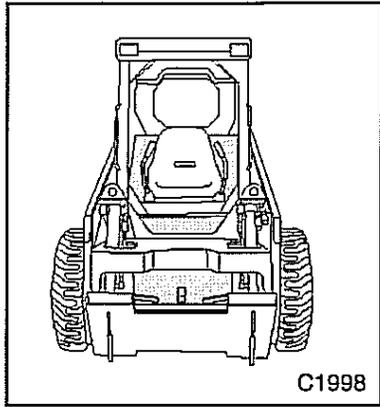
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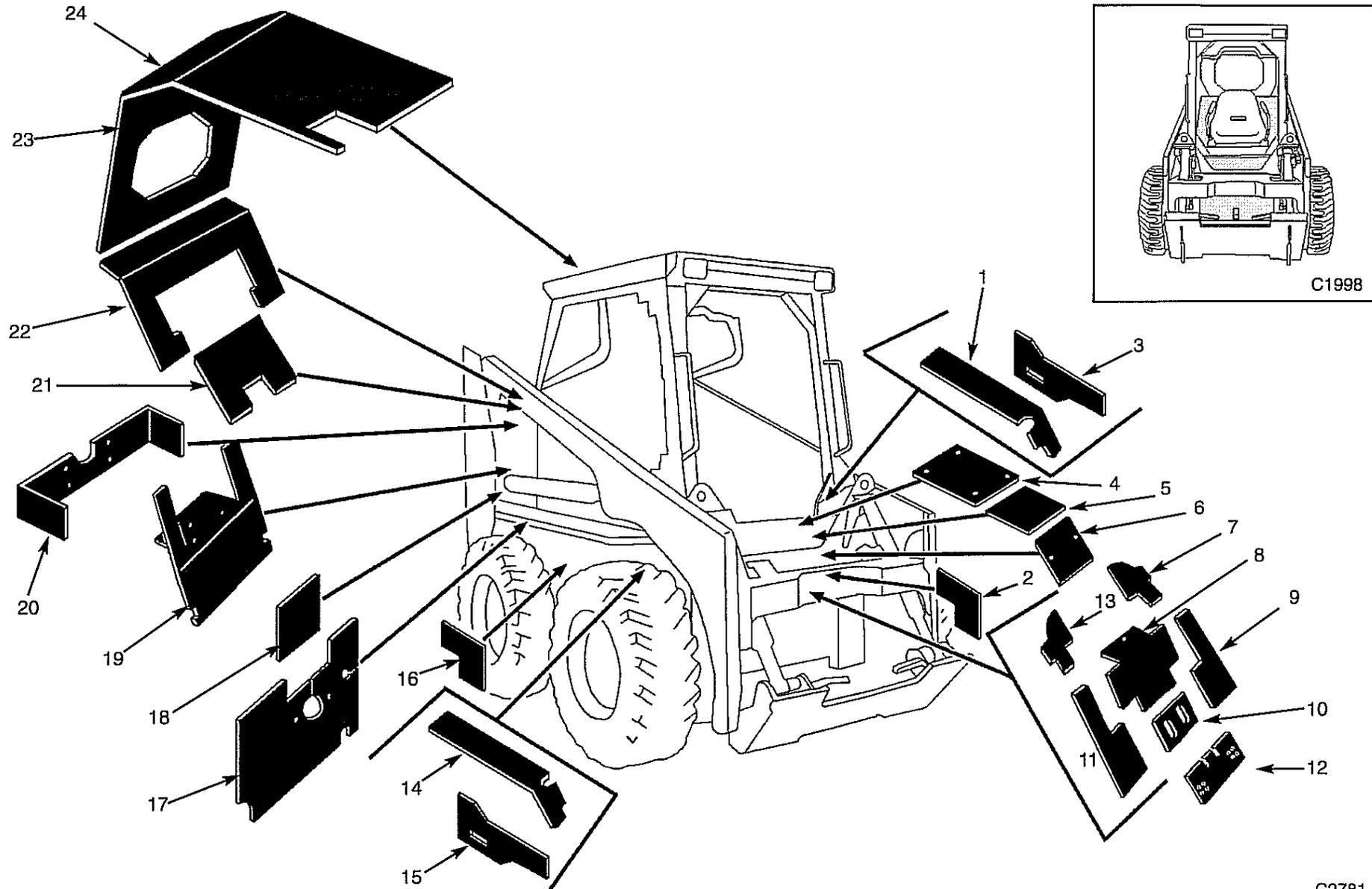
ITEM	PART	QTY	DESCRIPTION
1.	962754	1	R.O.P.S. frame
2.	31744	12	Screw
3.	37808	1	Top window
4.	39025	1	Rear window with decal
5.	15750	8 ft	Weather strip
6.	15931	A / R	Weather strip, foam
7.	17633	4	Stud
8.	38561	4	Isolator
9.	23452	4	Washer
10.	1647	4	Lock washer
11.	39537	1	Plug
12.	39126	1	Plug
13.	16608	4	Lock nut
14.	2898	1	Bolt
15.	20235	2	Washer
16.	38560	1	Isolator
17.	20861	1	Lock washer
18.	20860	1	Nut
19.	40737	1	Manual holder
20.	6645	3	Lock nut
21.	18455	3	Washer
22.	1650	3	Washer
23.	2663	3	Bolt



ITEM	PART	QTY	DESCRIPTION
1.	42284	2	Pin
2.	2010	2	Grease fitting
3.	1350	2	Nut
4.	40337	2	Handle
5.	2593	2	Bolt
6.	1870	2	Lock washer
7.	1651	2	Flat washer
8.	42491	1	Spring
9.	39546	2	Handle knobs
10.	38797	1	Panel
11.	6086	2	Captive nut



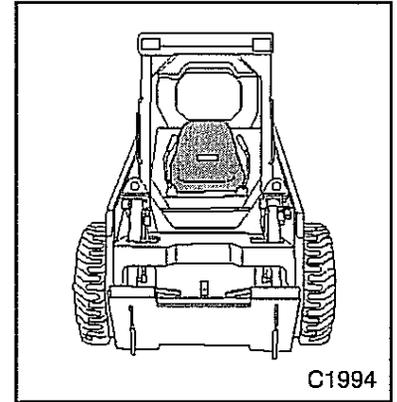
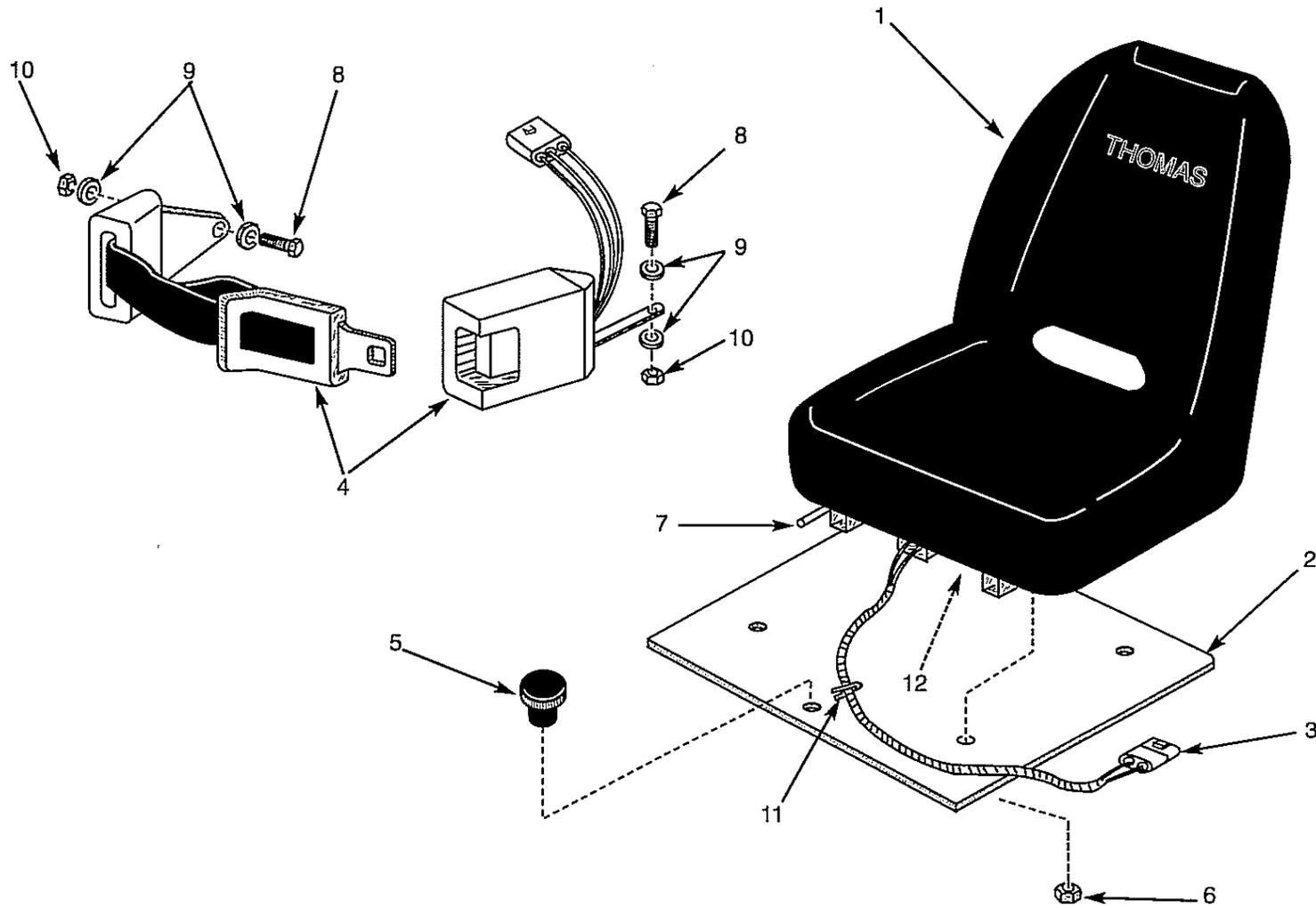
ITEM	PART	QTY	DESCRIPTION	ITEM	PART	QTY	DESCRIPTION
1.	44800	1	Step shield, hand operated controls	29.	31744	4	Screw
1.	44797	1	Step shield, foot operated controls	30.	42227	1	Rear shield
2.	1194	2	Nut	31.	15931	per/ ft	Foam weather strip
3.	2663	4	Bolt	32.	963062	1	Engine cover
4.	1642	4	Lock washer	33.	821	per/ ft	Bulb type seal
5.	1643	4	Flat washer	34.	261	per/ ft	Hose
6.	17429	2	Bolt	35.	39557	4	Clamp
7.	17439	2	Lock washer	36.	39556	2	Clamp cover
8.	17442	2	Flat washer	37.	17422	2	Bolt
9.	1870	6	Lock washer	38.	43004	1	Gas spring
10.	1190	6	Bolt	39.	43005	2	Pivot ball stud
11.	1651	6	Flat washer	40.	26172	2	Nut
12.	6086	2	Captive nut				
13.	25762	4	Front shield				
14.	1193	2	Bolt				
15.	44877	1	Bottom front bulk head shield				
16.	41791	3	Knob				
17.	41704	3	Stud for knob				
18.	963106	1	Front bulkhead assembly				
19.	41619	1	Seat plate				
20.	1673	2	Bolt				
21.	32070	1	Clean out cover				
22.	40183	1	Front belly pan				
23.	44520	1	Rear belly pan				
24.	20856	6	Bolt				
25.	20861	6	Lock washer				
26.	23385	6	Flat washer				
27.	1361	6	Flat washer				
28.	1650	4	Flat washer				



ITEM	PART	QTY	DESCRIPTION
1.	41708	1	ROPS shield, LH
2.	43860	1	Transmission, LH rear
3.	43853	1	ROPS side, LH
4.	41710	1	Seat mount
5.	38840	1	Step shield, top
6.	38839	1	Step shield, front
7.	43866	1	Transmission, LH front
8.	41712	1	Bulkhead, front hydrostatic
9.	41713	1	Front shield, LH
10.	41711	1	Front bulkhead, bottom
11.	41714	1	Front shield, RH
12.	44915	1	Front frame
13.	43867	1	Transmission, RH front
14.	41709	1	ROPS shield, RH
15.	43854	1	ROPS side, RH
16.	43861	1	Transmission, RH rear
17.	41752	1	Pump mount
18.	41753	1	Access panel
19.	42448	1	ROPS outer blanket
20.	42447	1	Battery box, outer
21.	43850	1	Battery box cover
22.	44713	1	Battery box, inner
23.	44714	1	ROPS rear window
24.	44712	1	ROPS top panel

SEAT & SEAT BELT

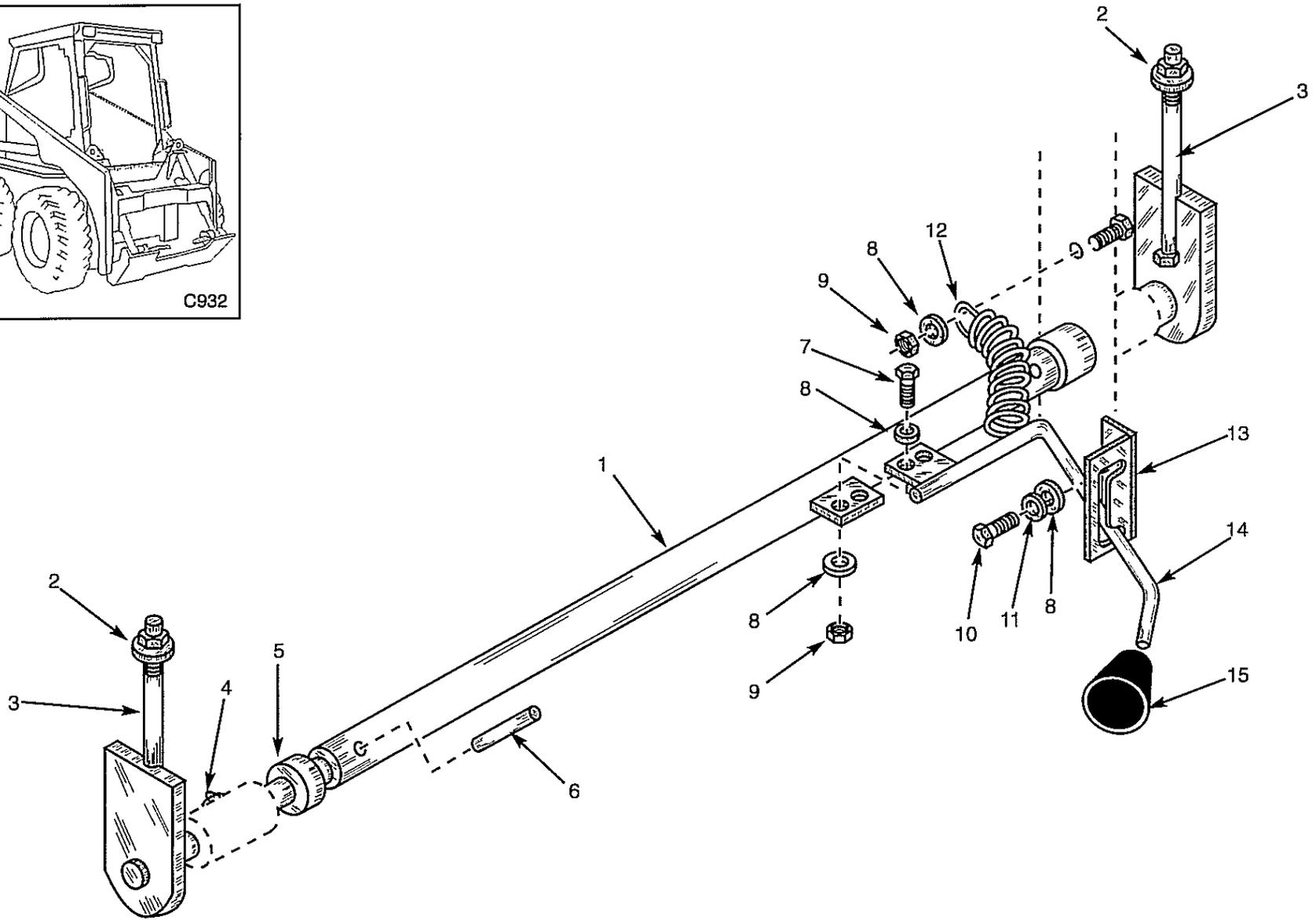
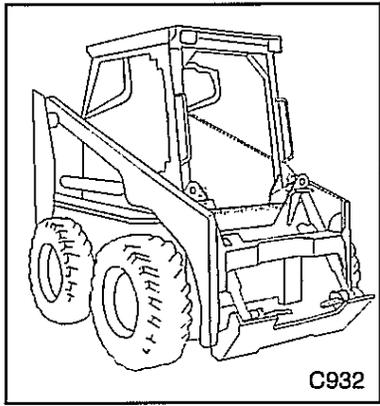
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ITEM	PART	QTY	DESCRIPTION
1.	38600	1	Seat
2.	41619	1	Seat mount
3.	39904	1	Seat switch harness
4.	960680	1	Seat belt assembly (2" std.)(S/NLM001406 onward)
4.	960681	1	Seat belt assembly (3" option)
5.	42070	1	Knob with stud
6.	43558	4	nut
7.	42931	1 (pr)	Seat rail adjusters
8.	1193	2	Bolt
9.	1643	4	Flat washer
10.	7465	2	Lock nut
11.	40581	1	Clip
12.	38516	1	Seat switch

BOOM LOCKDOWN (T245HDK only)



ITEM	PART	QTY	DESCRIPTION
1.	958724	1	Pin connecting assembly
2.	958722	2	Lockdown nut assembly
3.	961510	2	Lockdown assembly
4.	2010	2	Grease fitting
5.	1064	2	Set collar
6.	21004	2	Spring pin
7.	5170	2	Bolt
8.	1650	7	Flat washer
9.	6645	3	Lock nut
10.	2663	2	Bolt
11.	2279	2	Lock washer
12.	22470	1	Spring
13.	40323	1	Control rod guide
14.	960851	1	Control rod
15.	39199	1	Knob

WHEELS and TIRES

1.11

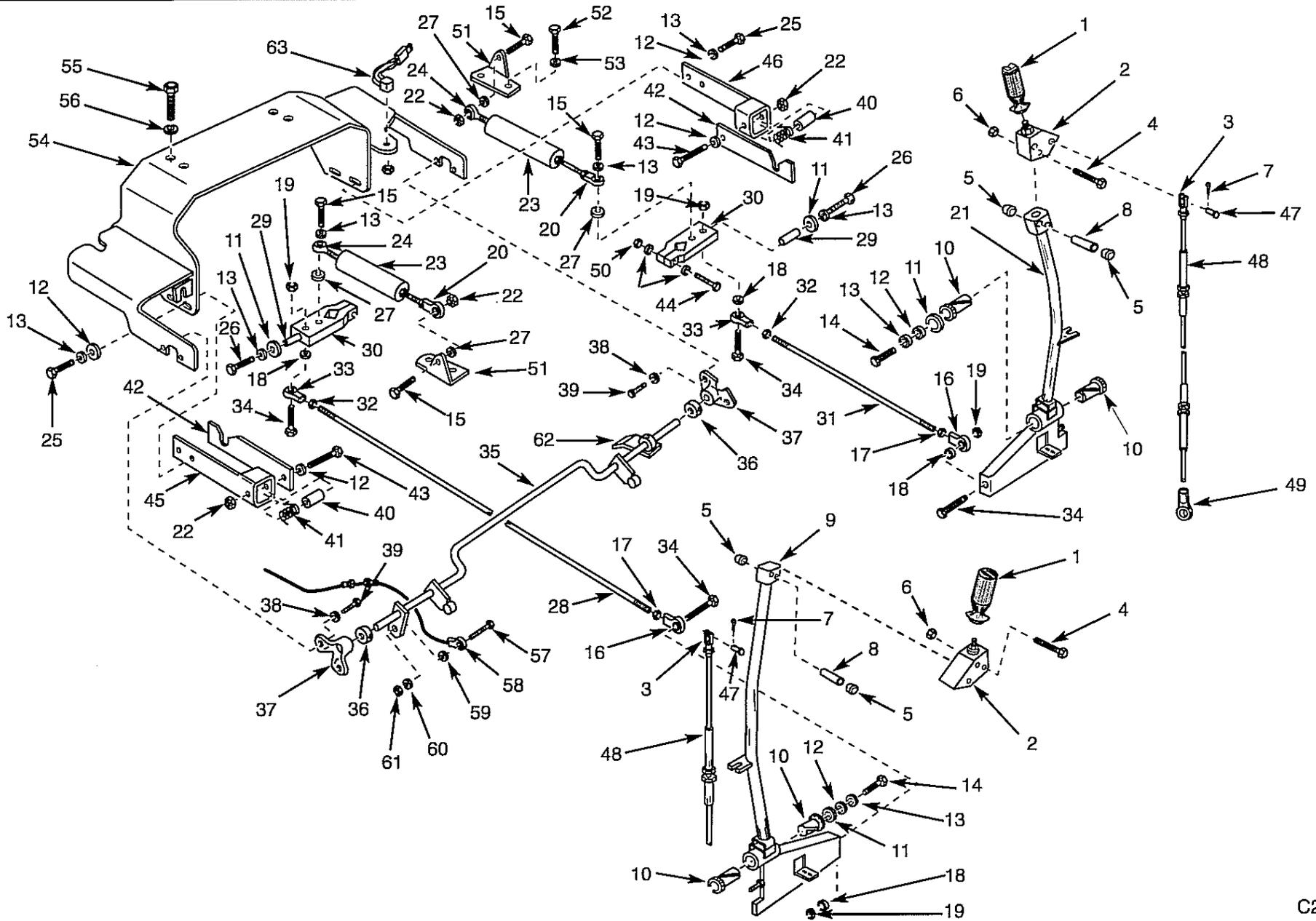
PART	QTY	DESCRIPTION	PART	QTY	DESCRIPTION
* 7019	as req.	Valve stem	U-2231	1	12.00 X 16.5 Beefy Baby, Set of 4
* 5832	as req.	Nut, Wheel	* 962586	2	Tire and Wheel Assy (LH)
U-994	1	12.00 X 16.5, Set of 4	* 962587	2	Tire and Wheel Assy (RH)
* 42844	2	Tire and Wheel Assy (RH)	* 29064	1	Wheel, 9.75 X 16.5, 8 Bolt
* 42845	2	Tire and Wheel Assy (LH)	* 44026	1	Tire, 12.00 X 16.5 Beefy Baby
* 29064	1	Wheel, 9.75 X 16.5, 8 Bolt	U-2227**	1	12.00 X 16.5 HD2000 (Rim Guard), Set of 4
* 42829	1	Tire, 12.00 X 16.5, 8 Ply	* 44022	2	Tire and Wheel Assy (LH)
U-1906		12.00 X 16.5 latco (Air Boss), Set of 4	* 44023	2	Tire and Wheel Assy, (RH)
* 36092	2	Wheel, Segmented (LH)	* 29064	1	Wheel, 9.75 X 16.5, 8 Bolt
* 36619	2	Wheel, Segmented (RH)	* 44024	1	Tire, 12.00 X 16.5, HD2000
* 36094	22	Segments (Per Wheel)			
U-1557	1	8.00 X 16.0 Solid Rubber, Set of 4			
* 961300	4	Tire and Wheel Assy (Solid)			
* 961299	1	Wheel Assy			
* 38284	1	Tire, 8.00 X 16.0 Solid			
		15.5 X 15.0 Terra Tire			
* 956792	4	Tire and Wheel Assy			
* 6804	1	Tire			
* 29211	1	Wheel, 13.00 X 15.0, 8 Bolt			
U-2501	1	12.00 X 16.5 2000 series, Set of 4			
* 46438	2	Tire and wheel Assy. (LH)			
* 46439	2	Tire and wheel Assy. (RH)			
* 29064	1	Wheel, 9.75 X 16.5, 8 Bolt			
* 42829	1	Tire, 12.00 X 16.5, 8 Ply			

**NOTE: Standard equipment after S / N LM001443.

Control Levers	2.1
Foot Pedals	2.2
Throttle	2.3
Restraint Bar	2.4

CONTROL LEVER (T245HDK NON-SERVO MODEL)

2.1A



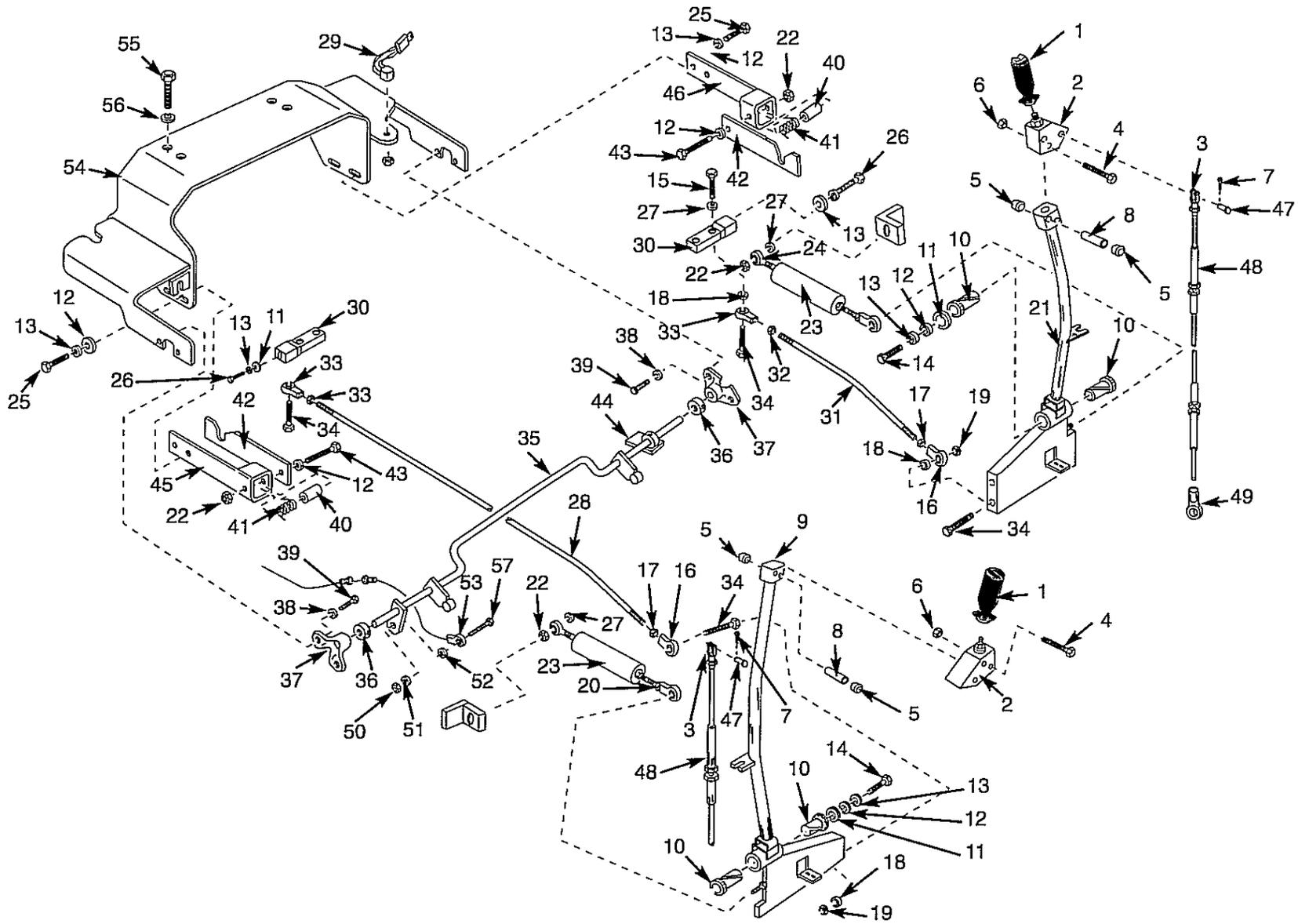
C2700

ITEM	PART	QTY	DESCRIPTION	ITEM	PART	QTY	DESCRIPTION
1.	43808	1	Handle, plain	34.	2008	4	Bolt, 7/16" x 2" long
1.*	40960	1	Handle, with electrical switch assembly	35.	962890	1	Pintle unlock shaft
*	38412	2	Switch, in handle	36.	29066	2	Set collar
2.	962761	2	Lever handle base	37.	29065	2	Flange bearing
3.	35884	2	Clevis	38.	2279	4	Lock washer
4.	25589	2	Bolt, 1/4"	39.	2338	4	Bolt
5.	44348	4	Flange bushing	40.	23012	2	Bushing
6.	23772	2	Lock nut	41.	956137	2	Spring
7.	1630	2	Cotter pin	42.	29982	2	Locking arm
8.	44349	2	Bushing, handle spacer	43.	14620	2	Bolt
9.	962725	1	Control lever, RH	44.	1677	2	Bolt
10.	44347	4	Flange bushing	45.	960836	1	Lock pivot, RH
11.	29834	2	Fender washer	46.	960837	1	Lock pivot, LH
12.	1643	4	Flat washer	47.	30044	2	Clevis pin
13.	1642	4	Lock washer	48.	44805	2	Control cable, 29.25" long
14.	1673	2	Bolt	49.	35883	2	Rod end, lower cable
15.	1672	4	Bolt	50.	16771	1	Lock nut
16.	42207	2	Rod end, 7/16	51.	44503	2	Hydroback mount
17.	5406	2	Nut, 7/16" UNF	52.	21559	4	Bolt
18.	6394	4	Lock washer	53.	21029	4	Lock washer
19.	6393	4	Nut, 7/16" UNC	54.	962884	1	Lock mount assembly
20.	5803	2	Rod end, 3/8"	55.	1680	4	Bolt
21.	962726	1	Control lever, LH	56.	20861	4	Lock washer
22.	7465	2	Lock nut	57.	7723	1	Bolt
23.	959073	2	Hydroback	58.	42443	1	Cable
24.	15880	1	Rod end, male	59.	41042	1	Nylon bushing
25.	1193	4	Bolt	60.	1650	1	Flat washer
26.	1364	2	Bolt	61.	6645	1	Lock nut
27.	21174	6	Spacer washer	62.	962855	1	Switch activator
28.	44824	1	Control rod, RH	63.	42805	1	Switch
29.	37854	1	Bushing	**	44384	1	Boot cover, RH
30.	961928	2	Pintle lever	**	44385	1	Boot cover, LH
31.	44823	1	Control rod, LH	**	44311	1	Boot, rubber bellows
32.	42211	2	Nut, 7/16" UNF LH				
33.	42208	2	Rod end, 7/16" LH				

** Item not shown

CONTROL LEVER (SERVO PUMP T245HDK MODEL)

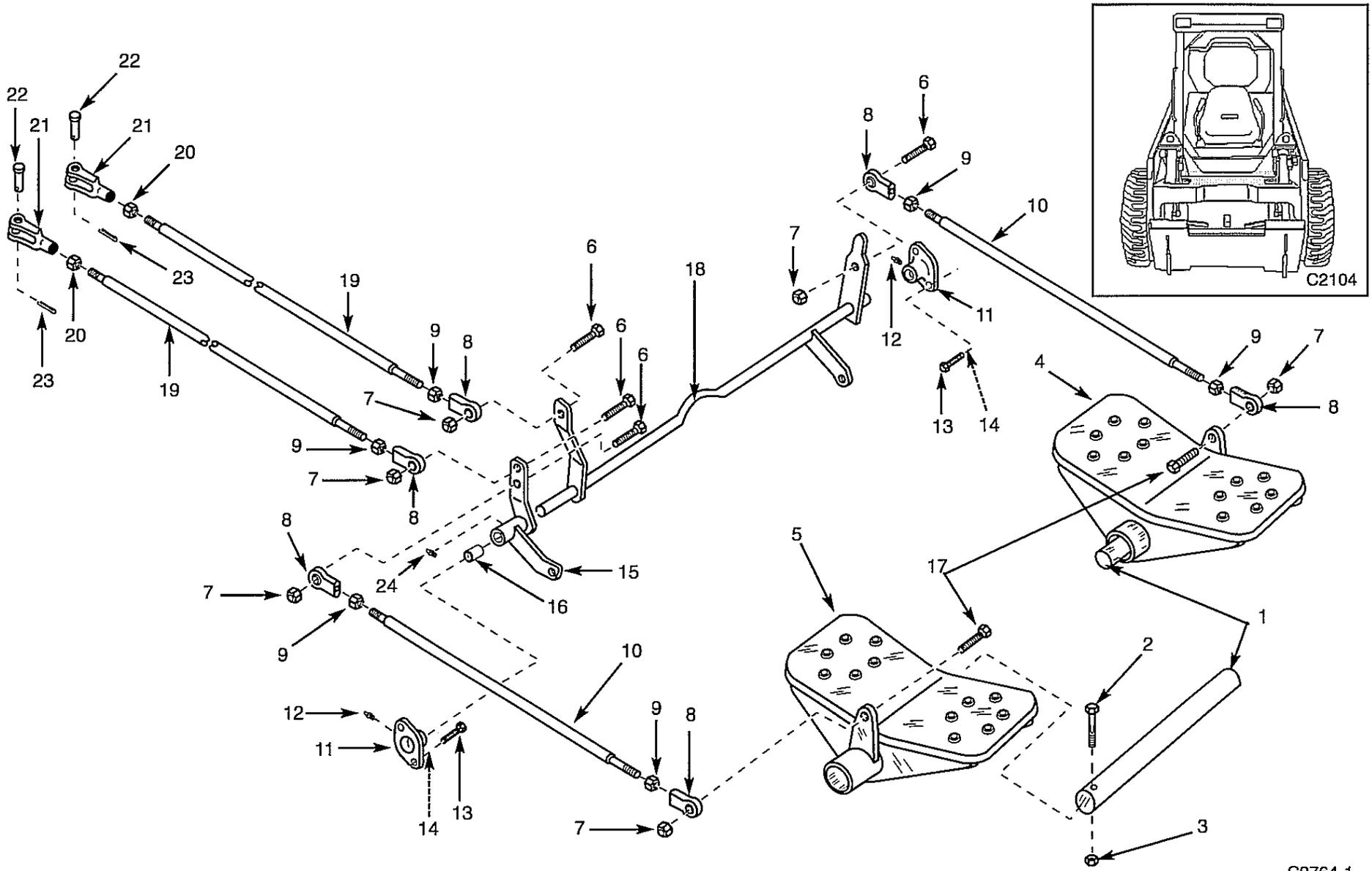
2.1B



ITEM	PART	QTY	DESCRIPTION				
1.	43808	1	Handle, plain	34.	2008	4	Bolt, 7/16" x 2" long
1.*	40960	1	Handle, with electrical switch assembly	35.	962890	1	Pintle unlock shaft
*	38412	2	Switch, in handle	36.	29066	2	Set collar
2.	962761	2	Lever handle base	37.	29065	2	Flange bearing
3.	35884	2	Clevis	38.	2279	4	Lock washer
4.	25589	2	Bolt, 1/4"	39.	2338	4	Bolt
5.	44348	4	Flange bushing	40.	23012	2	Bushing
6.	23772	2	Lock nut	41.	956137	2	Spring
7.	1630	2	Cotter pin	42.	29982	2	Locking arm
8.	44349	2	Bushing, handle spacer	43.	14620	2	Bolt
9.	962725	1	Control lever, RH	44.	962855	1	Switch activator
10.	44347	4	Flange bushing	45.	960836	1	Lock pivot, RH
11.	29834	2	Fender washer	46.	960837	1	Lock pivot, LH
12.	1643	4	Flat washer	47.	30044	2	Clevis pin
13.	1642	4	Lock washer	48.	44805	2	Control cable, 29.25" long
14.	1673	2	Bolt	49.	35883	2	Rod end, lower cable
15.	1672	4	Bolt	50.	6645	1	Lock nut
16.	42207	2	Rod end, 7/16	51.	1650	1	Flat washer
17.	5406	2	Nut, 7/16" UNF	52.	410429	1	Nylon bushing
18.	6394	4	Lock washer	53.	42443	1	Cable
19.	6393	4	Nut, 7/16" UNC	54.	962884	1	Lock mount assembly
20.	5803	2	Rod end, 3/8"	55.	1680	4	Bolt
21.	962726	1	Control lever, LH	56.	20861	4	Lock washer
22.	7465	2	Lock nut	57.	7723	1	Bolt
23.	959073	2	Hydroback	58.	42443	1	Cable
24.	15880	1	Rod end, male	59.	41042	1	Nylon bushing
25.	1193	4	Bolt	60.	1650	1	Flat washer
26.	1364	2	Bolt	61.	6645	1	Lock nut
27.	21174	6	Spacer washer	62.	962855	1	Switch activator
28.	44824	1	Control rod, RH	63.	42805	1	Switch
29.	42805	1	Switch	**	44384	1	Boot cover, RH
30.	961928	2	Pintle lever	**	44385	1	Boot cover, LH
31.	44823	1	Control rod, LH	**	44311	1	Boot, rubber bellows
32.	42211	2	Nut, 7/16" UNF LH				
33.	42208	2	Rod end, 7/16" LH				

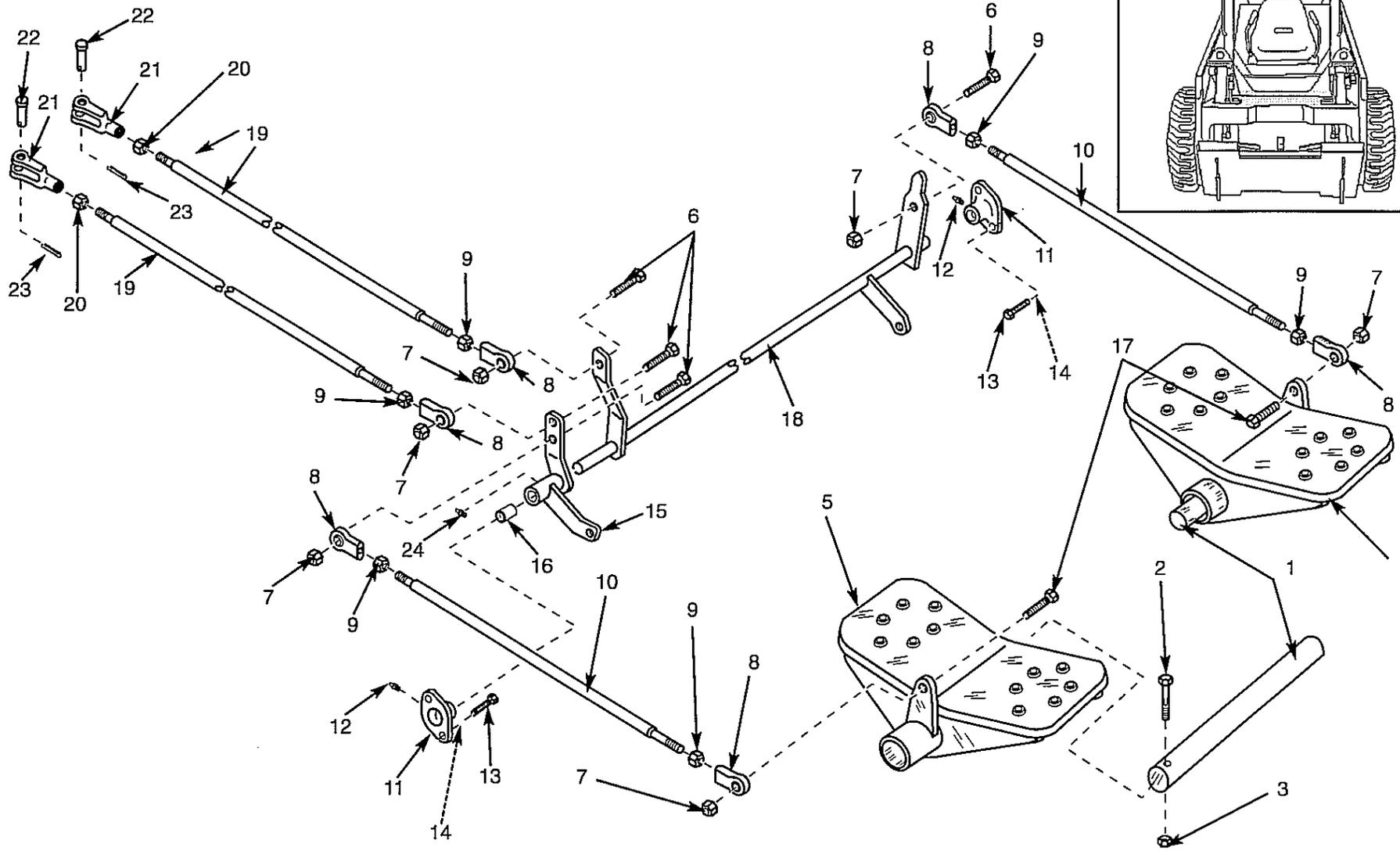
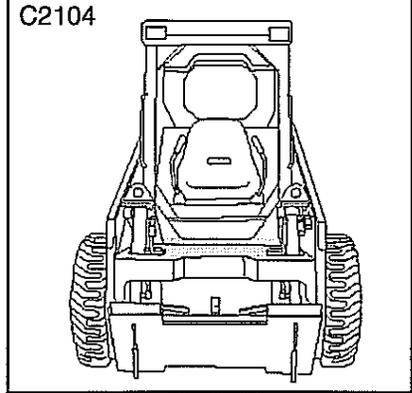
** Item not shown

FOOT PEDALS (ProTough2200)

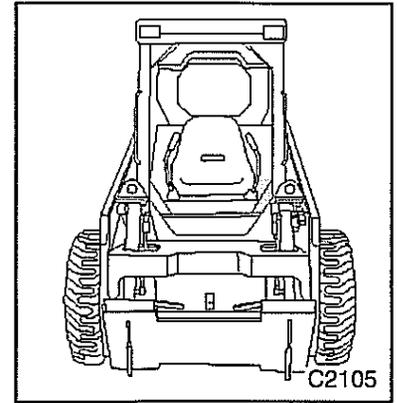
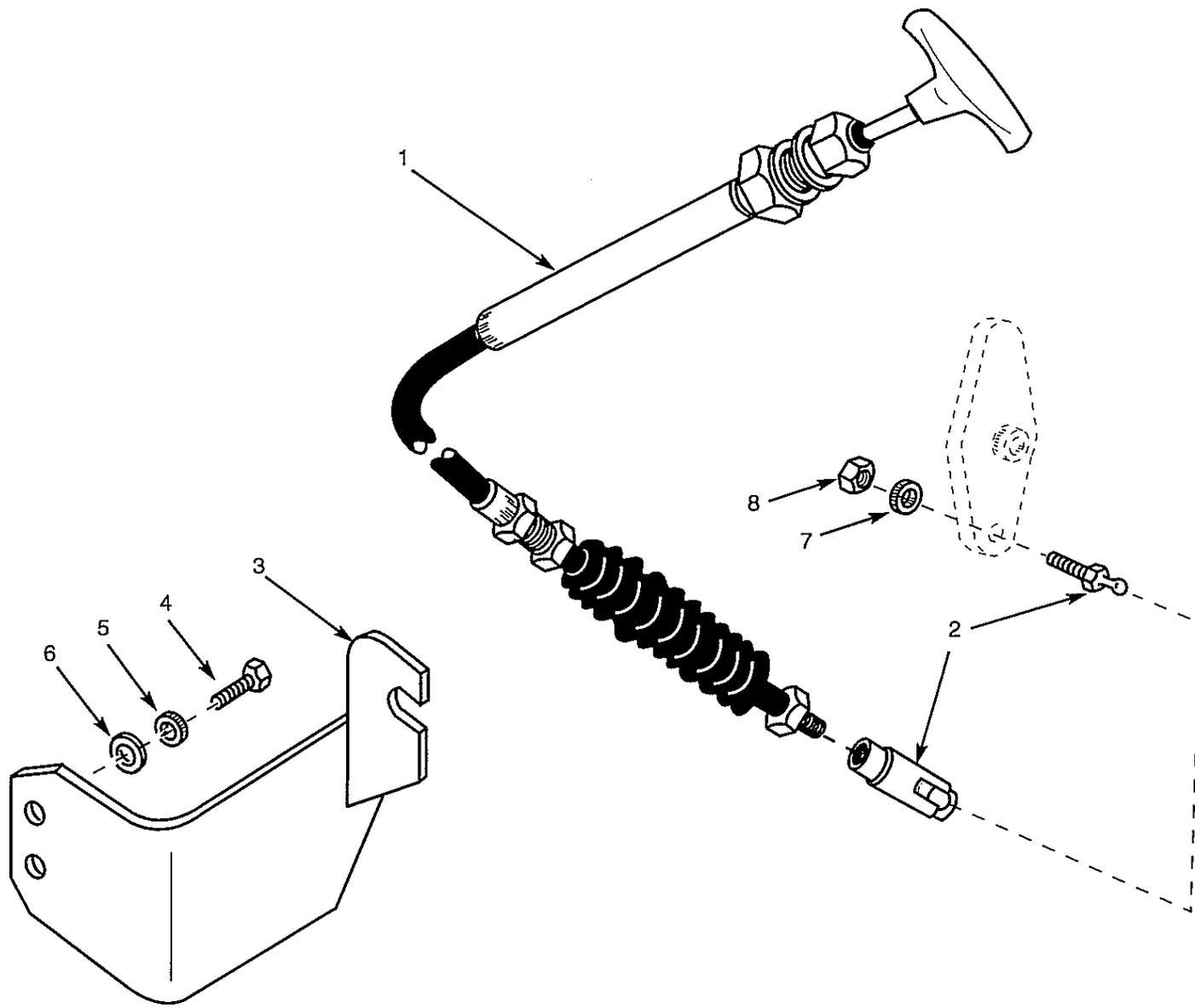


ITEM	PART	QTY	DESCRIPTION
1.	44789	2	Shaft, pedal pivot
2.	25589	2	Bolt
3.	17432	2	Lock nut
4.	963058	1	Pedal, lift
5.	963059	1	Pedal, tilt
6.	2580	4	Bolt
7.	16771	6	Lock nut
8.	26174	6	Rod end
9.	1626	6	Nut
10.	44762	2	Bar, front control rod
11.		2	Flange bearing (includes 12)
12.		2	Grease fitting
13.	2593	4	Bolt
14.	1870	4	Lock washer (not shown)
15.	963057	1	Activator assembly (includes 16)
16.	5893	2	Bronze bushing
17.	46159	2	Carriage bolt
18.	963056	1	Control cross shaft
19.	44299	2	Rear control rods, to S/N LM001440
19.	44299	2	Rear control rods, S/N LM001441 onward
20.	5405	2	Nut
21.	35884	2	Clevis
22.	30044	2	Clevis pin
23.	1650	2	Cotter pin
24.	2010	1	Grease fitting

FOOT PEDALS T245HDK MODELS

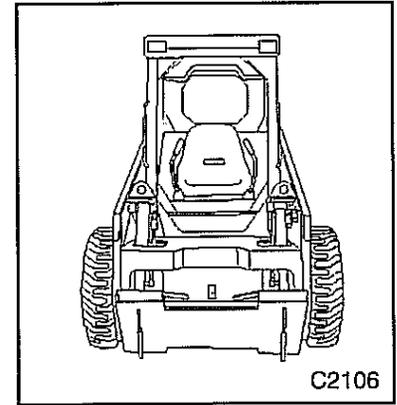
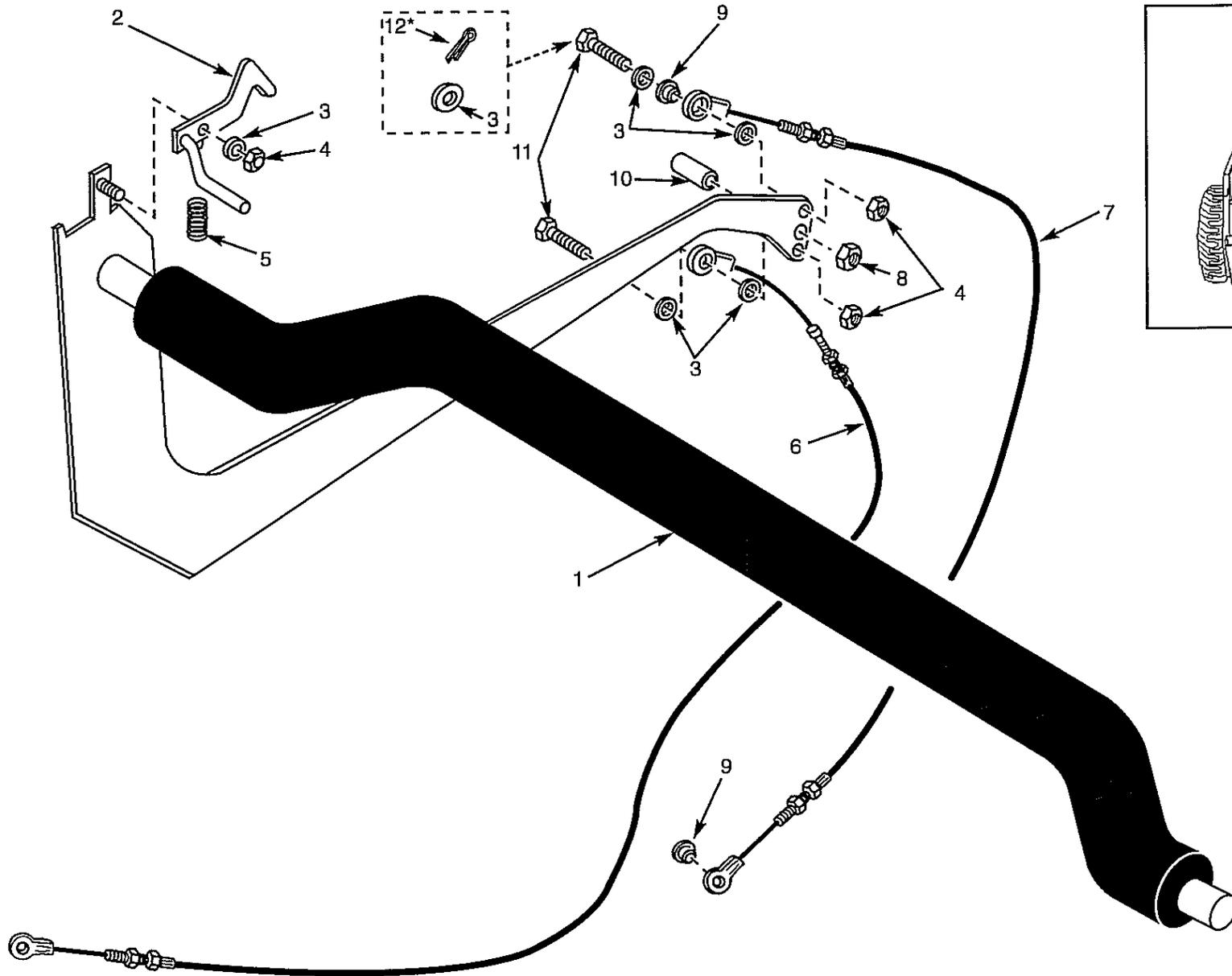


ITEM	PART	QTY	DESCRIPTION
1.	44789	2	Shaft, pedal pivot
2.	25589	2	Bolt
3.	17432	2	Lock nut
4.	963058	1	Pedal, lift
5.	963059	1	Pedal, tilt
6.	2580	4	Bolt
7.	16771	6	Lock nut
8.	26174	6	Rod end
9.	1626	6	Nut
10.	44762	2	Bar, front control rod
11.		2	Flange bearing (includes 12)
12.		2	Grease fitting
13.	2593	4	Bolt
14.	1870	4	Lock washer (not shown)
15.	963057	1	Activator assembly (includes 16)
16.	5893	2	Bronze bushing
17.	46159	2	Carriage bolt
18.	963056	1	Control cross shaft
19.	44299	2	Rear control rods, to S/N LM001440
19.	44299	2	Rear control rods, S/N LM001441 onward
20.	5405	2	Nut
21.	35884	2	Clevis
22.	30044	2	Clevis pin
23.	1650	2	Cotter pin
24.	2010	1	Grease fitting



ITEM	PART	QTY	DESCRIPTION
1.	43840	1	Cable
2.	42047	1	Joint, ball and socket
3.	963108	1	Bracket, throttle cable mount
4.	24790	2	Bolt
5.	21028	2	Lock washer
6.	1643	2	Flat washer
7.	2279	1	Lock washer
8.	1350	1	Nut

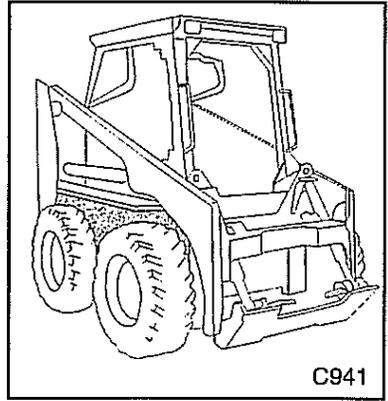
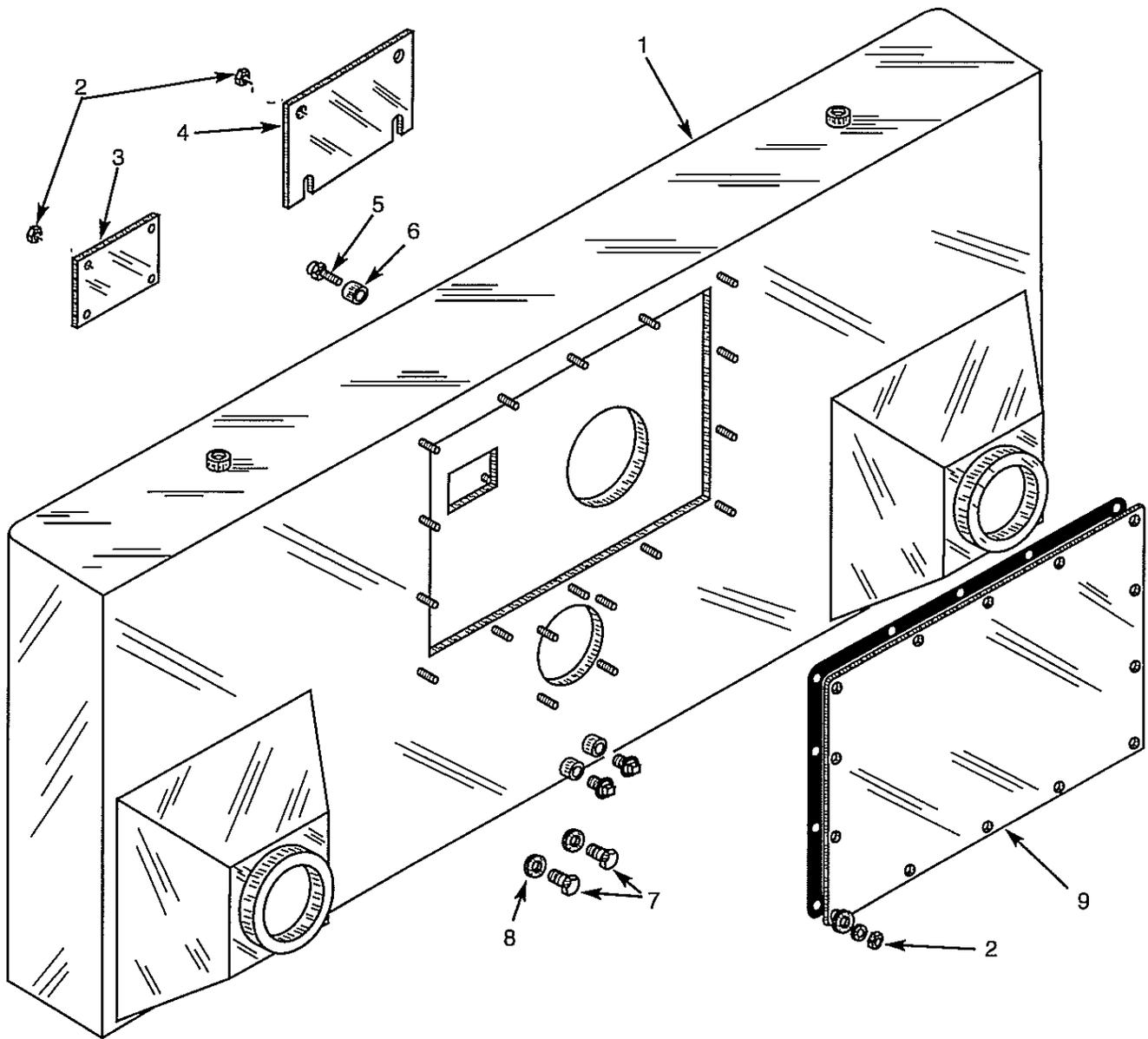
RESTRAINT BAR



Transmission Housing	3.1
Axle Assembly	3.2
Idler Sprocket and Drive Chains	3.3
Parking Brake	3.4

TRANSMISSION HOUSING

3.1

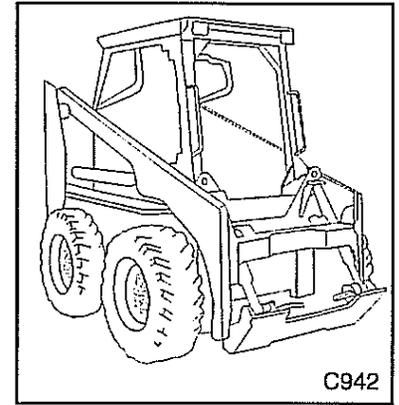
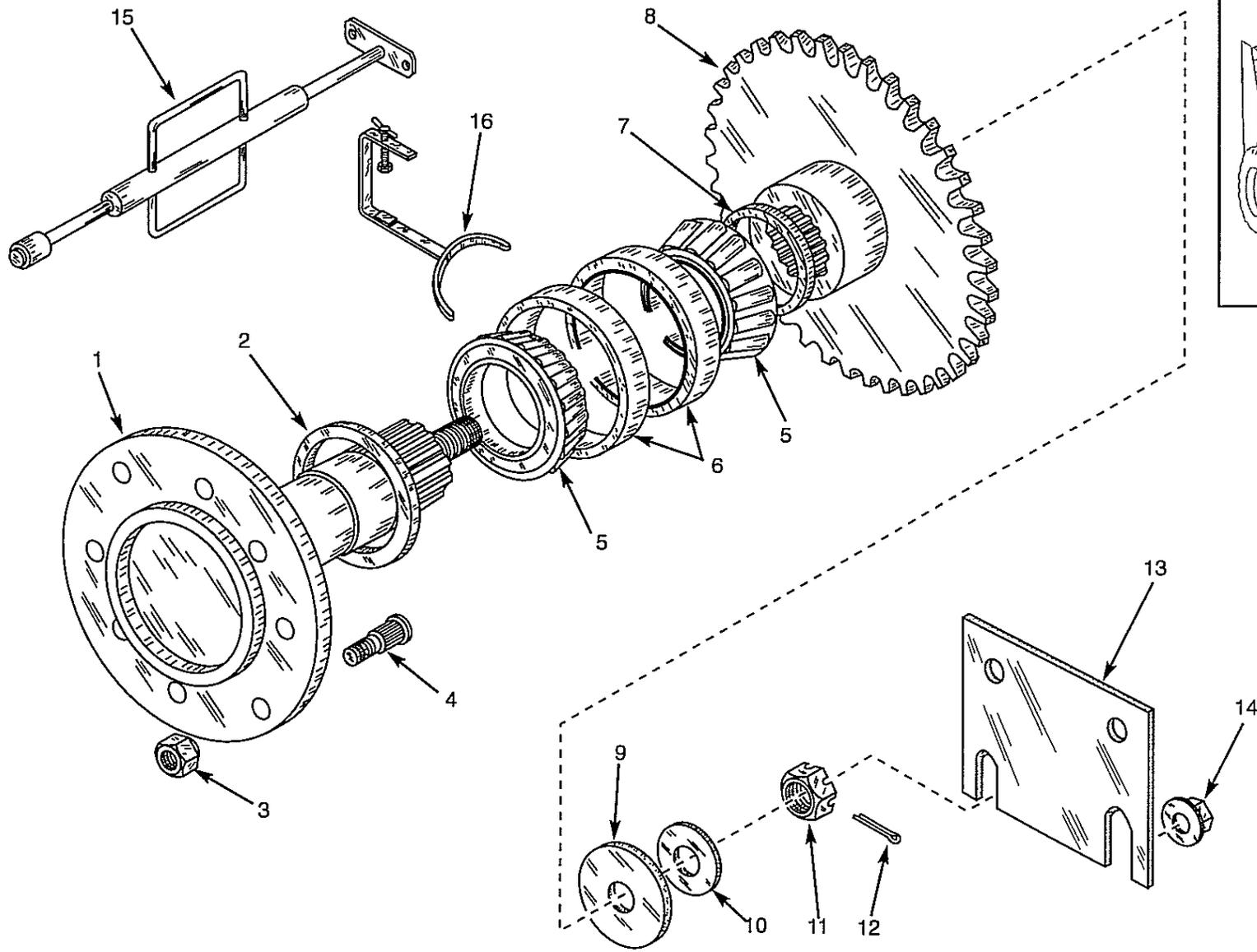


C1805

ITEM	PART	QTY	DESCRIPTION
1.	962675	1	Transmission housing, RH
1.	962676	1	Transmission housing, LH
2.	43558	44	Serrated flange nut
3.	44807	1	Primary inspection cover, LH
3.	44808	1	Primary inspection cover, RH
4.	26315	4	Inside axle cover
5.	6377	2	Breather vent
6.	952766	2	Breather cap
7.	44357	4	Plug
8.	44358	4	Seal, for plug 44357
9.	31262	2	Inspection cover

AXLE ASSEMBLY

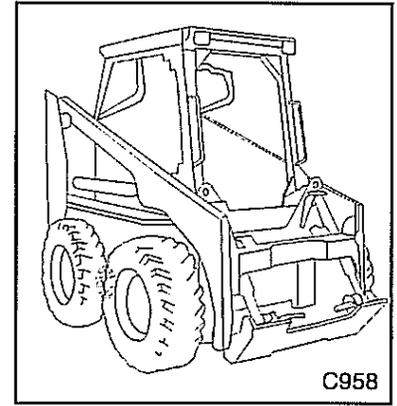
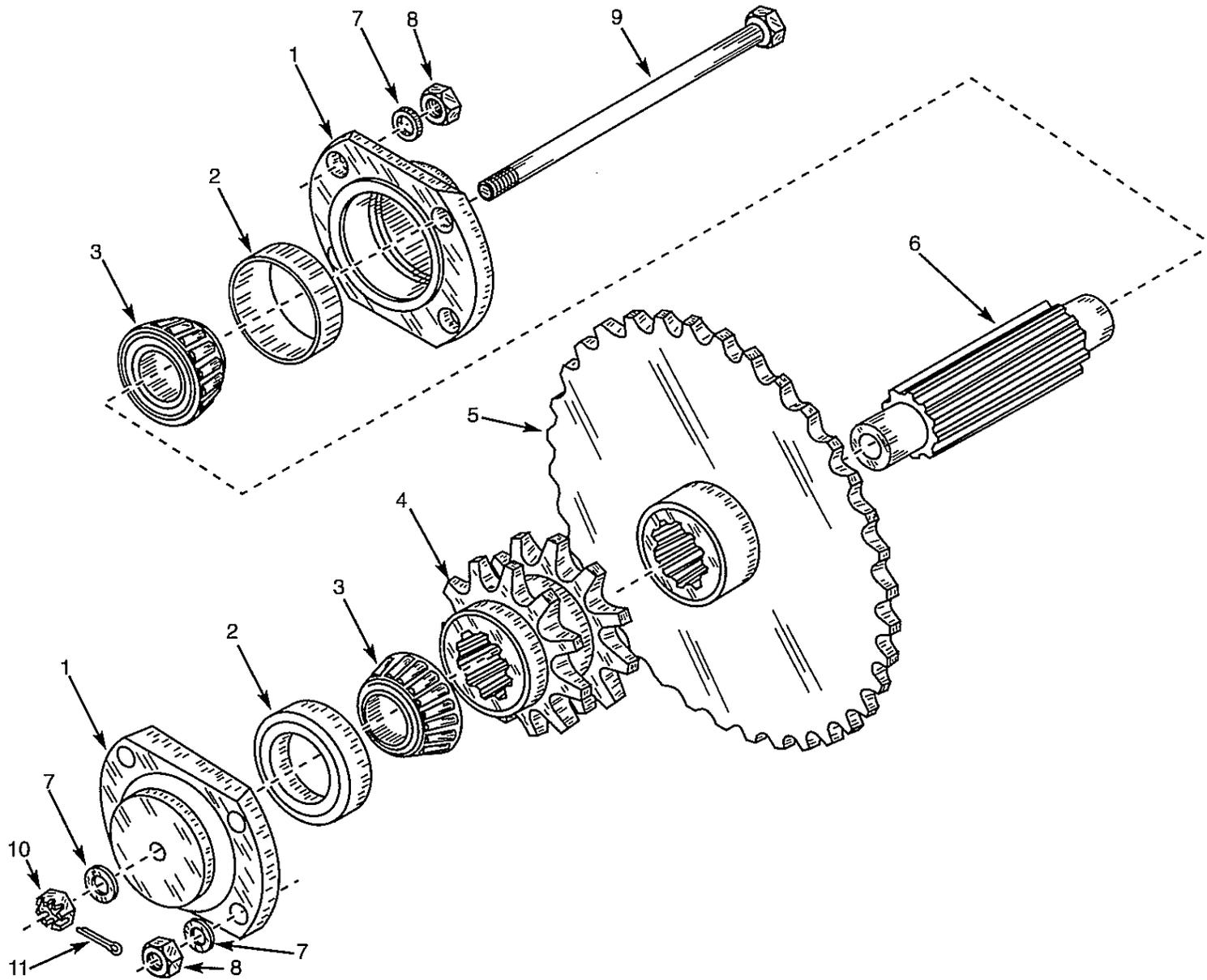
3.2



C2032

ITEM	PART	QTY	DESCRIPTION
1.	957785	1	Axle
2.	29029	1	Seal
3.	5832	8	Wheel nut
4.	26188	8	Wheel stud
5.	26509	2	Bearing
6.	26510	2	Race
7.	25618	1	Spacer
8.	26042	1	Sprocket, 27T100
9.	29361	1	Axle washer, big
10.	22448	1	Axle washer, small
11.	14877	1	Castle nut
12.	1386	1	Cotter pin
13.	26315	1	Inside axle cover
14.	43558	4	Serrated flange nut
15.	960475	1	Axle puller
16.	958674	2	Seal installation tool, 2 required

IDLER SPROCKETS and DRIVE CHAINS



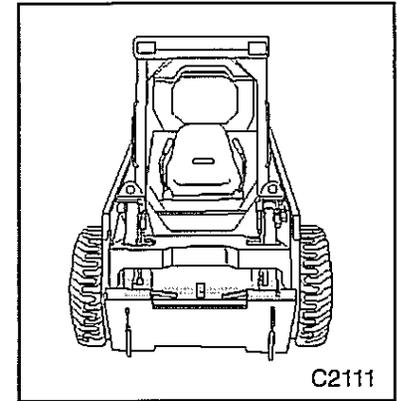
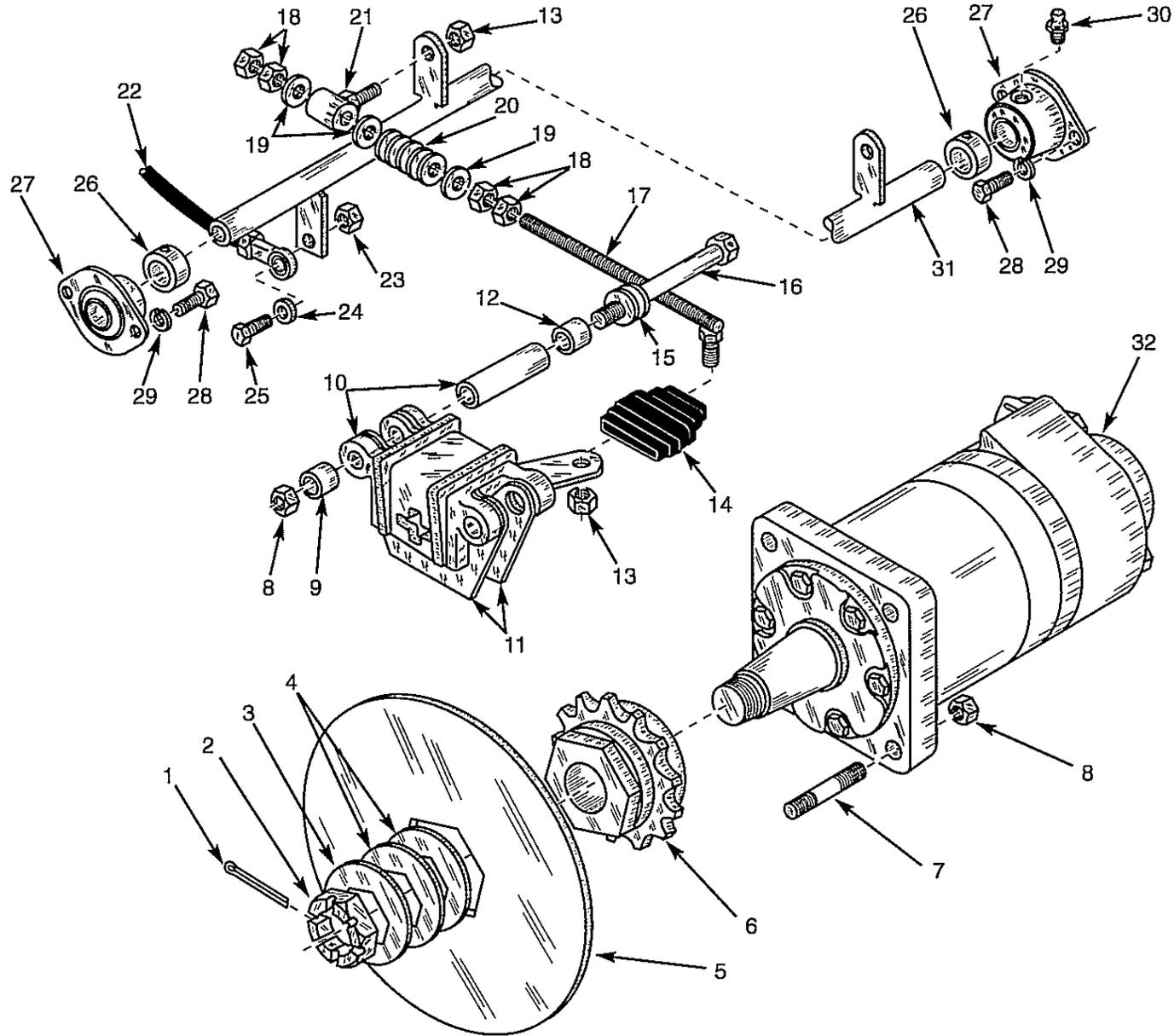
ITEM	PART	QTY	DESCRIPTION
1.	954434	2	Flange
2.	8705	2	Race
3.	8704	2	Bearing
4.	22734	1	Sprocket, double 11T100
5.	26041	1	Sprocket, 38T80
6.	25104	1	Splined shaft
7.	25845	10	Flat washer
8.	8613	8	Lock nut
9.	956429	1	Center bolt
10.	17340	1	Castle nut
11.	1546	1	Cotter pin

CHAINS and CONNECTING LINKS (per side)

*	31044	1	Primary idler chain, #80 roller X 45 links, with connector
*	31045	1	Front chain, #100 roller X 51 links, with connector
*	44270	1	Rear chain, heavy duty #100H roller X 58 links, with connector
*	32906	ea	#80 press fit connector
*	32907	ea	#100 press fit connector (for 31045 chain)
*	44905	ea	#100 H semi press fit connector (for 44270 chain)

PARKING BRAKE

3.4



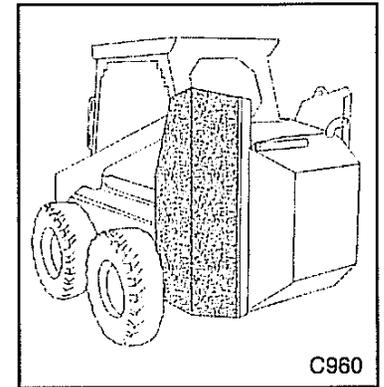
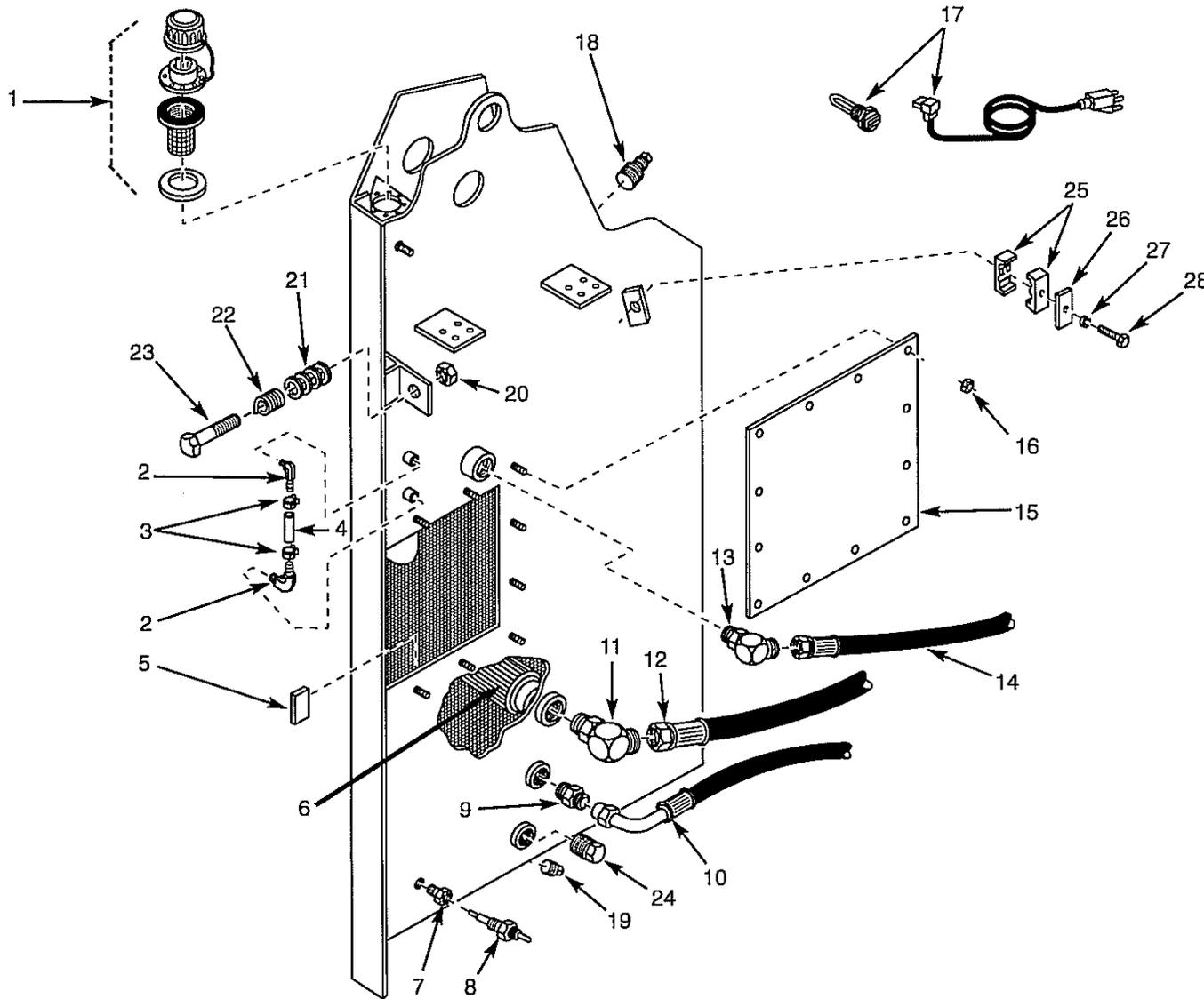
C2063

ITEM	PART	QTY	DESCRIPTION
1.	30800	2	Filler rod
2.	22071	2	Castle nut
3.	30474	2	Hex washer
4.	30470	4	Hex washer
5.	25843	2	Brake disc
6.	25842	2	Sprocket, 13T80
7.	29093	8	Stud
8.	8613	8	Lock nut
9.	29477	4	Bushing, spacer
10.	28979	2	Brake caliper, with pads
11.	30487	4	Brake pad (sold each)
12.	29476	4	Bushing, spacer
13.	7465	4	Lock nut
14.	41853	2	Brake boot (bellows)
15.	30485	8	Hardened washers
16.	1662	4	Bolt
17.	956659	2	Brake rod
18.	1194	8	Nut
19.	1643	6	Flat washer
20.	1205	2	Spring
21.	956660	2	Pivot bushing
22.	38553	1	Brake cable, 75" long
23.*	6645	2	Lock nut
24.	1650	2	Flat washer
25.*	7723	2	Bolt
26.	4842	2	Set collar
27.	24914	2	Flange bearing
28.	6081	4	Bolt
29.	1870	4	Lock washer
30.	37184	2	Grease fitting
31.	962503	1	Brake shaft
32.	***	ea	Drive motor, see section 5
*	961596	1	Mount, brake cable (not shown)

Oil Reservoir	4.1
Hydraulic Oil Filter	4.2
Boom Lift Circuit (standard).....	4.3a
Boom Lift Circuit (with self level valve).....	4.3b
Hydraulic Oil Cooler/Fan/Radiator Assembly	4.4
Lift Cylinder.....	4.5
Bucket Tilt Circuit (standard)	4.6a
Bucket Tilt Circuit (with self level valve)	4.6b
Tilt Cylinder.....	4.7
Auxiliary Circuit (to S/N LM00)	4.8a
Auxiliary Circuit with accumulator (S/N LM001540 onward)	4.8b
Control Valve T245HDK (LM001441 onward),.....	4.9a
Control Valve ProTough 2200 (LP000100 onward)	4.9b
Self Level Valve.....	4.10

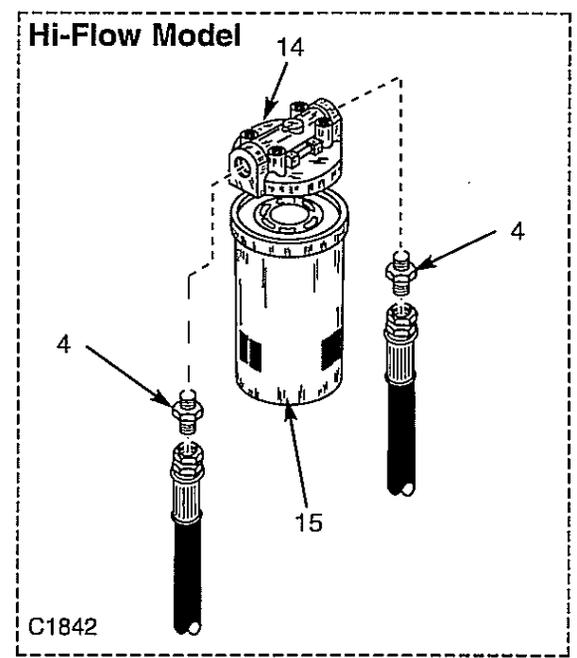
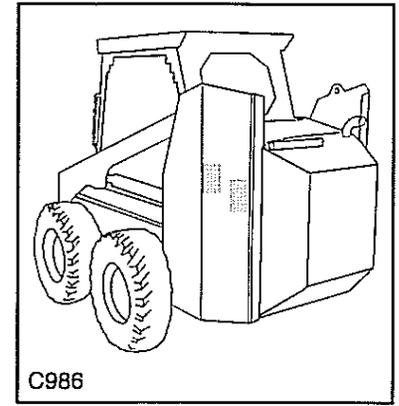
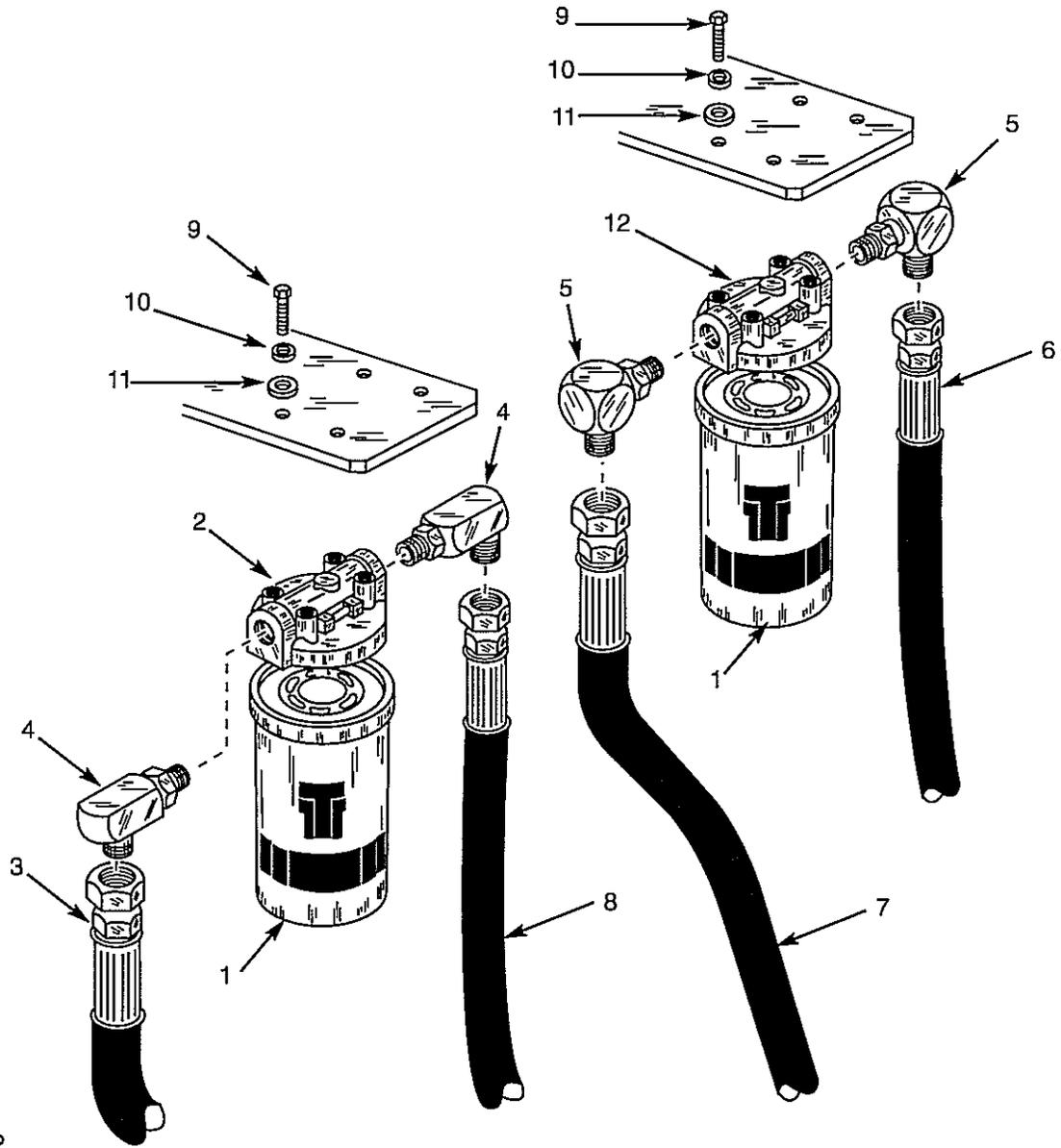
OIL RESERVOIR

4.1



C960

ITEM	PART	QTY	DESCRIPTION
1.	36733	1	Filler / breather cap
1.	26202	1	Pressurized filler cap (option)
2.	34903	2	Barbed elbow
3.	34919	2	Clamp
4.	698	A / R	Site tube (per foot)
5	32478	1	Magnet
6.	14898	1	Suction screen element
7.	37208	1	Reducer bushing
8.	37206	1	Temperature sender switch
9.	42321	1	Adapter, straight
10.	962268	1	Hose, cooler to tank return
11.	38768	1	Elbow, 90°
12.	962266	1	Hose, tank to gear pump
13.	36422	1	Elbow, 90°
14.	961756	1	Hose, manifold to tank
15.	20232	1	Inspection cover
16.	43558	12	Serrated flange nut
17.	30549	1	Oil heater (option)
18.	1457	1	Plug
19.	17144	1	Magnetic plug
20.	8613	1	Lock nut
21.	32920	1	Spring
22.	25845	3	Flat washer
23.	1773	1	Bolt
24.	37070	1	Plug
25.	42061	2	Clamp
26.	42076	1	Clamp plate
27.	1870	1	Lock washer
28.	15433	1	Bolt



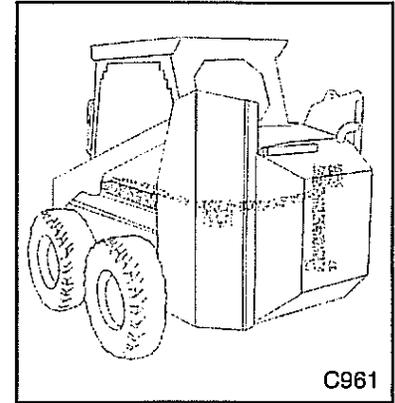
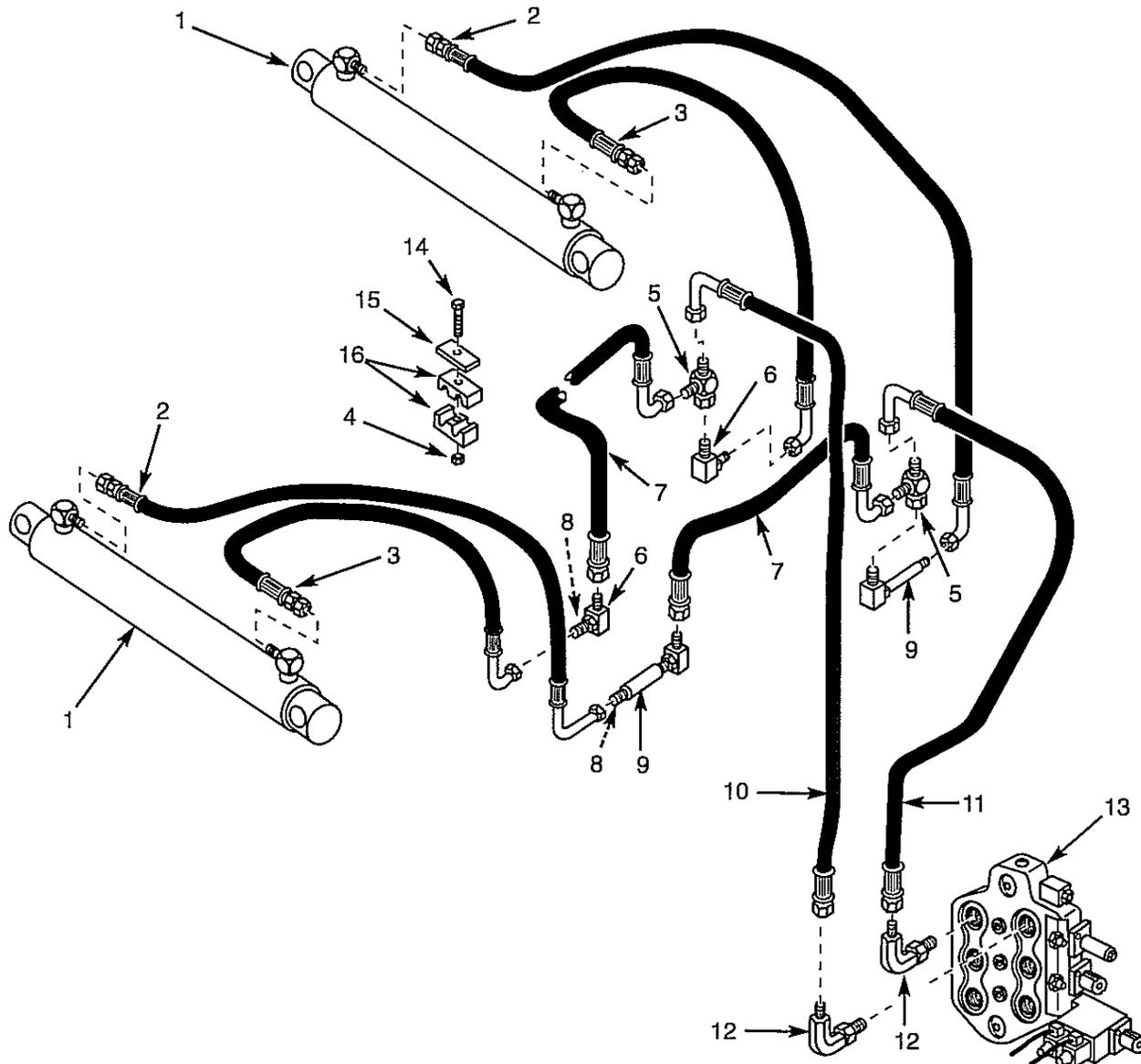
C1842

C1842

ITEM	PART	QTY	DESCRIPTION
1.	35243	2	Filter element
2.	38587	1	Main hydraulic oil filter (includes #1)
3.	962267	1	Hose, filter outlet to oil cooler bottom port
4.	33882	2	Elbow, 90°
5.	14866	2	Elbow, 90°
6.	962270	1	Hose, fan motor out to charge filter inlet
7.	963229	1	Hose, charge filter outlet to tandem
8.	961748	1	Hose, control valve outlet to filter inlet
9.	1193	8	Bolt
10.	1642	8	Lock washer
11.	1643	8	Flat washer
12.	42556	1	Charge hydraulic oil filter (includes #1)
13.	43539	1	Hi-flow filter (includes #14, #15)
14.	43540	1	Filter head
15.	43541	1	Filter element

BOOM LIFT CIRCUIT (standard)

4.3a



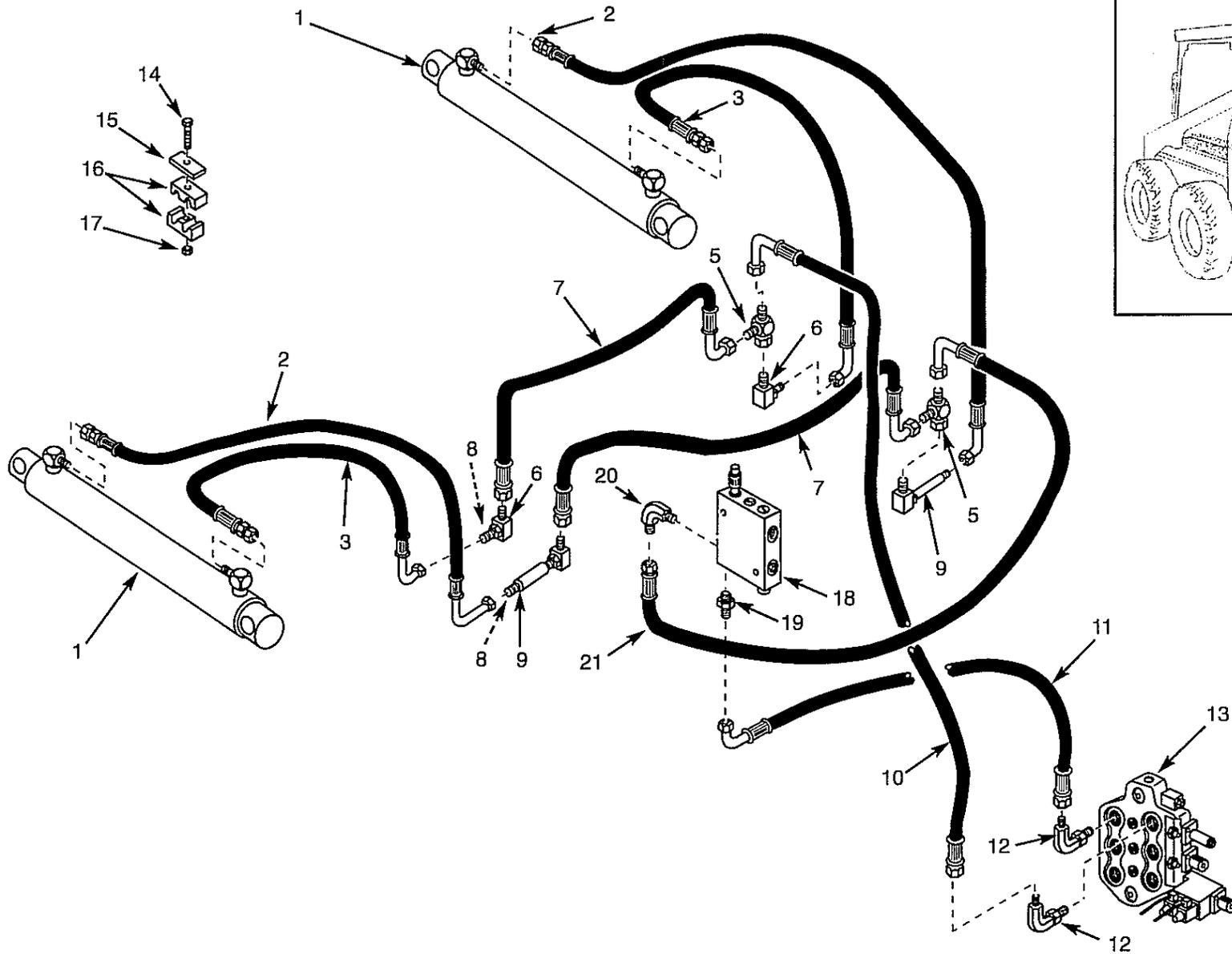
C961

G2772

ITEM	PART	QTY	DESCRIPTION
1.	***	2	Lift cylinder, see section 4.5
2.	962903	2	Hose, lift cylinder front port to rear bulkhead
3.	962904	2	Hose, lift cylinder rear port to front bulkhead
4.	16771	2	Lock nut
5.	42322	2	Tee
6.	33831	2	Elbow, 90°, short bulkhead connector
7.	961774	2	Hose, bulkhead to bulkhead
8.	43903	4	Star washer (not shown)
9.	36336	2	Elbow, 90°, long bulkhead connector
10.	963230	1	Hose, valve rear port to front bulkhead
11.	961766	1	Hose, valve front port to rear bulkhead
12.	19232	2	Elbow, 90°
13.	***	1	Control valve, see section 4.9
14.	10494	2	Bolt
15.	38472	2	Cover plate
16.	43033	4	Clamp

BOOM LIFT CIRCUIT (with self level valve)

4.3b



C961

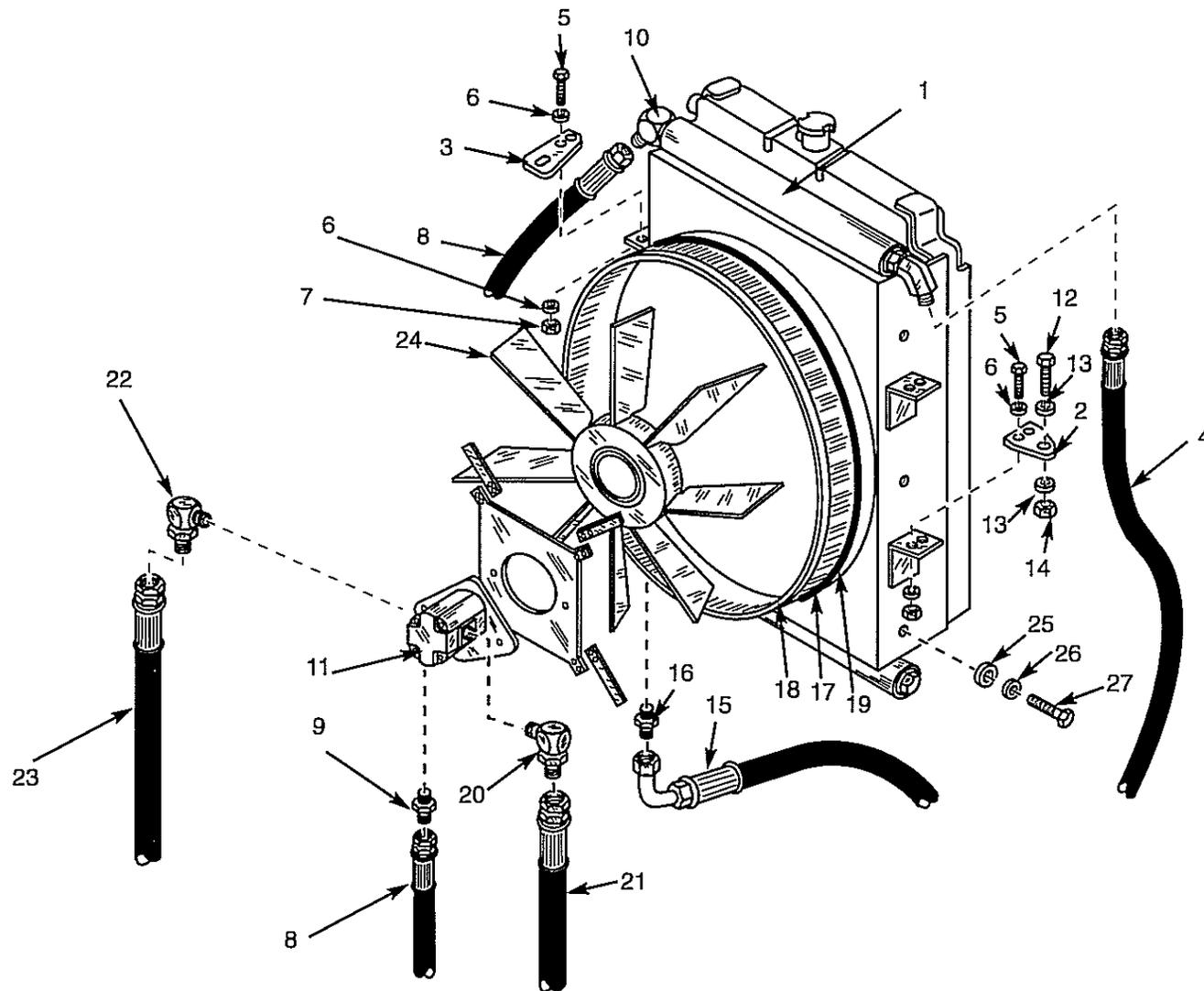
C2767

ITEM	PART	QTY	DESCRIPTION
1.	***	2	Lift cylinder, see section 4.5
2.	962903	2	Hose, lift cylinder front port to rear bulkhead
3.	962904	2	Hose, lift cylinder rear port to front bulkhead
4.	29438	4	Connector
5.	42322	2	Tee
6.	33831	2	Elbow, 90°, short bulkhead connector
7.	961774	2	Hose, bulkhead to bulkhead
8.	43903	4	Star washer (not shown)
9.	36336	2	Elbow, 90°, long bulkhead connector
10.	963230	1	Hose, valve rear port to front bulkhead
11.	961937	1	Hose, valve front port, to SLV port B
12.	19232	2	Elbow, 90°
13.	***	1	Control valve, see section 4.9
14.	10494	2	Bolt
15.	38472	2	Cover plate
16.	43033	4	Clamp
17.	16771	2	Lock nut
18.	***	1	Self level valve (SLV), see section 4.10
19.	19226	1	Connector
20.	19232	1	Elbow, 90°
21.	961776	1	Hose, SLV port "A" to rear bulkhead

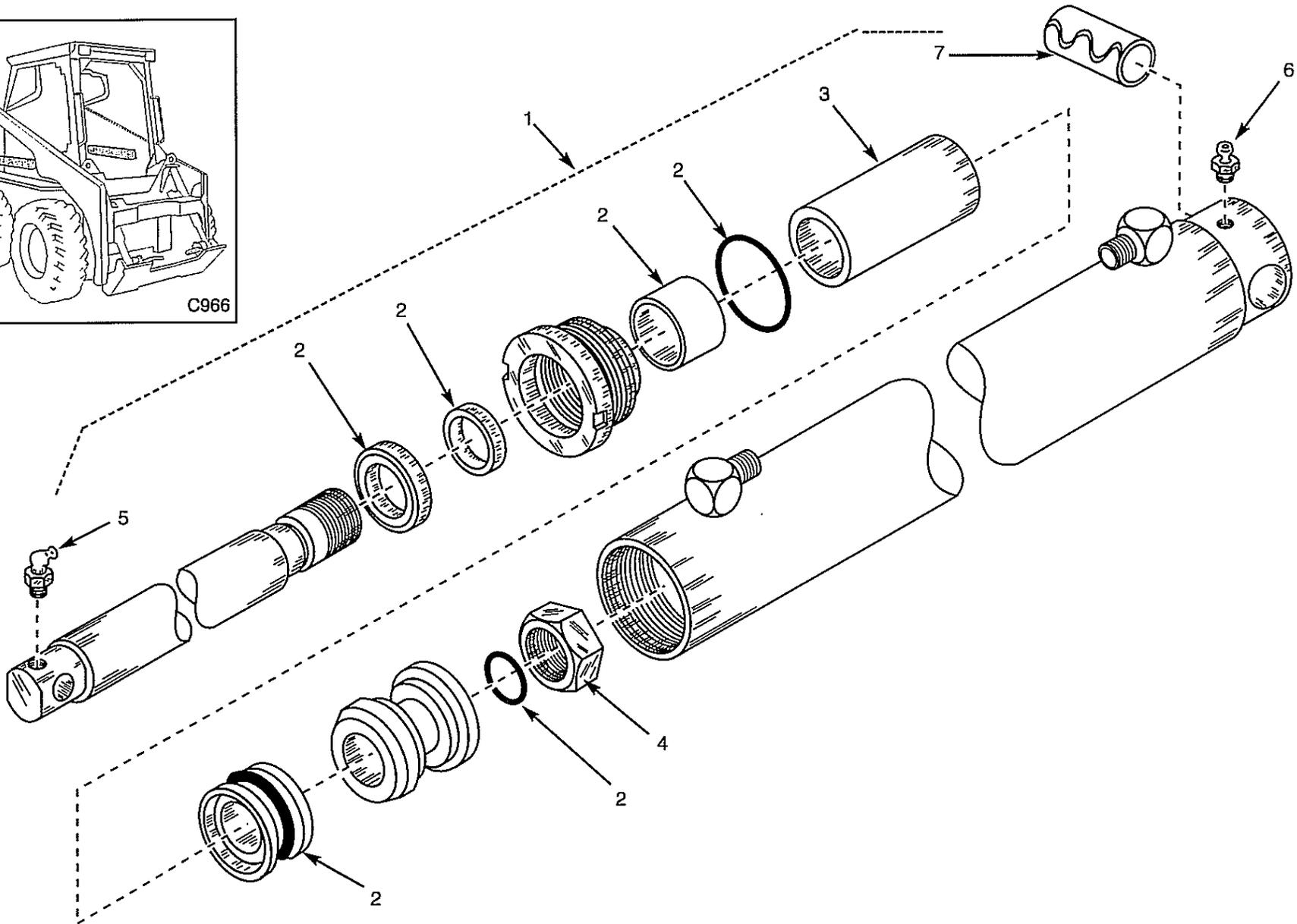
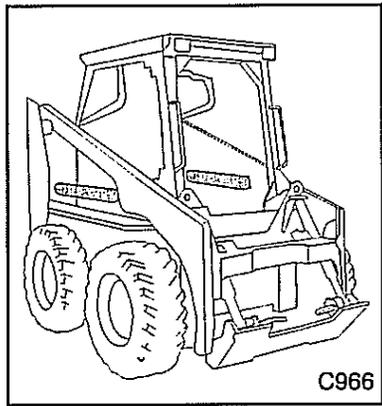
ITEM	PART	QTY	DESCRIPTION
1.	46352	1	Oil cooler
2.	261	1	Tubing
3.	34919	1	Clamp
4.	46345	1	Radiator
5.	46411	1	Top Radiator Hose
6.	46635	1	Fan (10 Fin) (not shown),Pusher
7.	46684	1	Guard
8.	963475	1	Mounting support for the radiator & oil cooler (R.H.)
9.	46266	1	Bottom Hose
10.	6286	2	Clamp
11.	963476	1	Mounting support for the radiator & oil cooler (L. H.)
12.	46346	1	Radiator brace support
13.	46332	1	Radiator mount brace support
14.	21554	4	Bolts, 8mm x 1.25mm x 20mm
15.	44904	1	Radiator cap
16.	21029	4	Washer, Lock 8mm (not shown)
17	Code #580	2'	Neophrene gasket (1"x 3/4")
18	Code #574	4'	Neophrene gasket (1/2" x 1")

Radiator/Fan/Oil Cooler Assembly T245HDK Model

4.4b



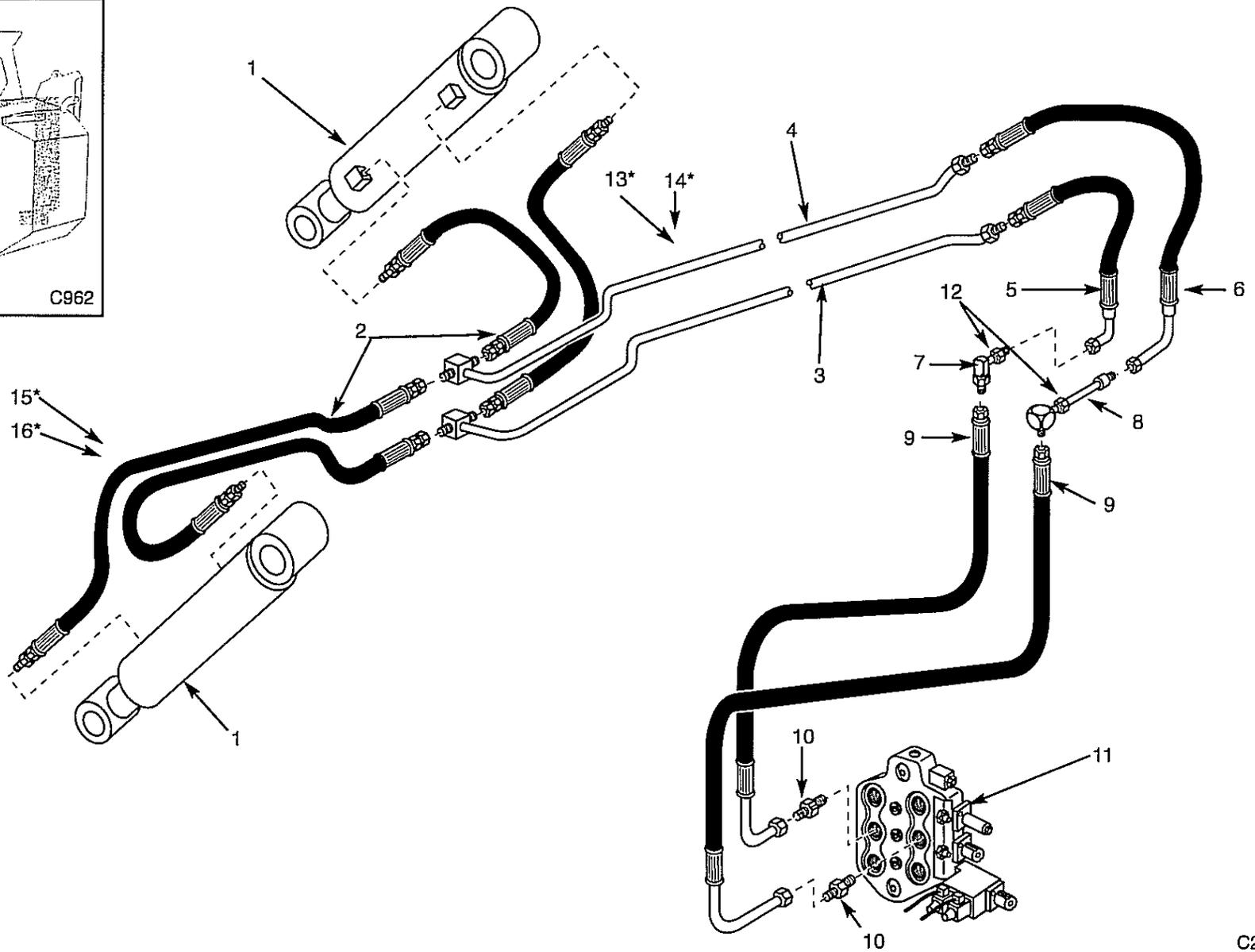
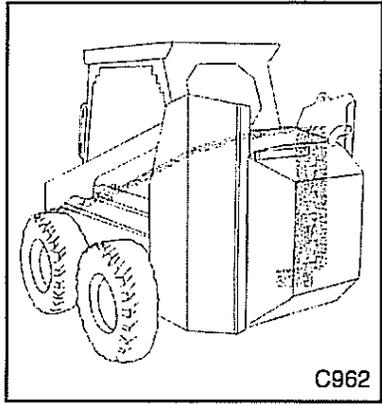
ITEM	PART	QTY	DESCRIPTION
1.	44711	1	Oil cooler assembly with motor.
2.	41988	2	Plate,oil cooler support, right hand
3.	41989	2	Plate oil, cooler support, left hand
4.	962268	1	Hose, Cooler top outlet to tank
5.	1672	8	Bolt
6.	1643	16	Flat washer
7.	7465	8	Lock nut
8.	961904	1	Hose, fan motor drain to cooler
9.	30266	1	Connector, straight
10.	21128	1	Elbow, 90 degrees
11.	42709	1	Motor, 23cc
12.	24980	2	Bolt
13.	23385	4	Flat washer
14.	8613	2	Lock nut
15.	962267	1	Hose, filter out to cooler bottom port.
16.	33882	1	Connector
17.	810	6.33	Strap
18.	44760	1	Foam sealing ring
19.	42158	1	Clip, tie strap
20.	25011	1	Elbow, 90 degrees
21.	962269	1	Hose, gear pump to fan motor inlet
22.	14866	1	Elbow 90 degrees
23.	962270	1	Hose, fan motor out to charge filter inlet
24.	43495	1	Fan
25.	1651	6	Flat washer
26.	1870	6	Lock washer
27.	6086	6	Bolt
28.	44904	1	Radiator cap



ITEM	PART	QTY	DESCRIPTION
1.	43771	1	Lift cylinder (pair req.)
2.	44570	1	Seal kit
3.	30236	1	Spacer
4.	29896	1	Lock nut
5.	35451	1	Grease fitting, 90°
6.	2010	1	Grease fitting, straight
7.	43632	1	Hardened bushing

BUCKET TILT CIRCUIT (standard)

4.6a



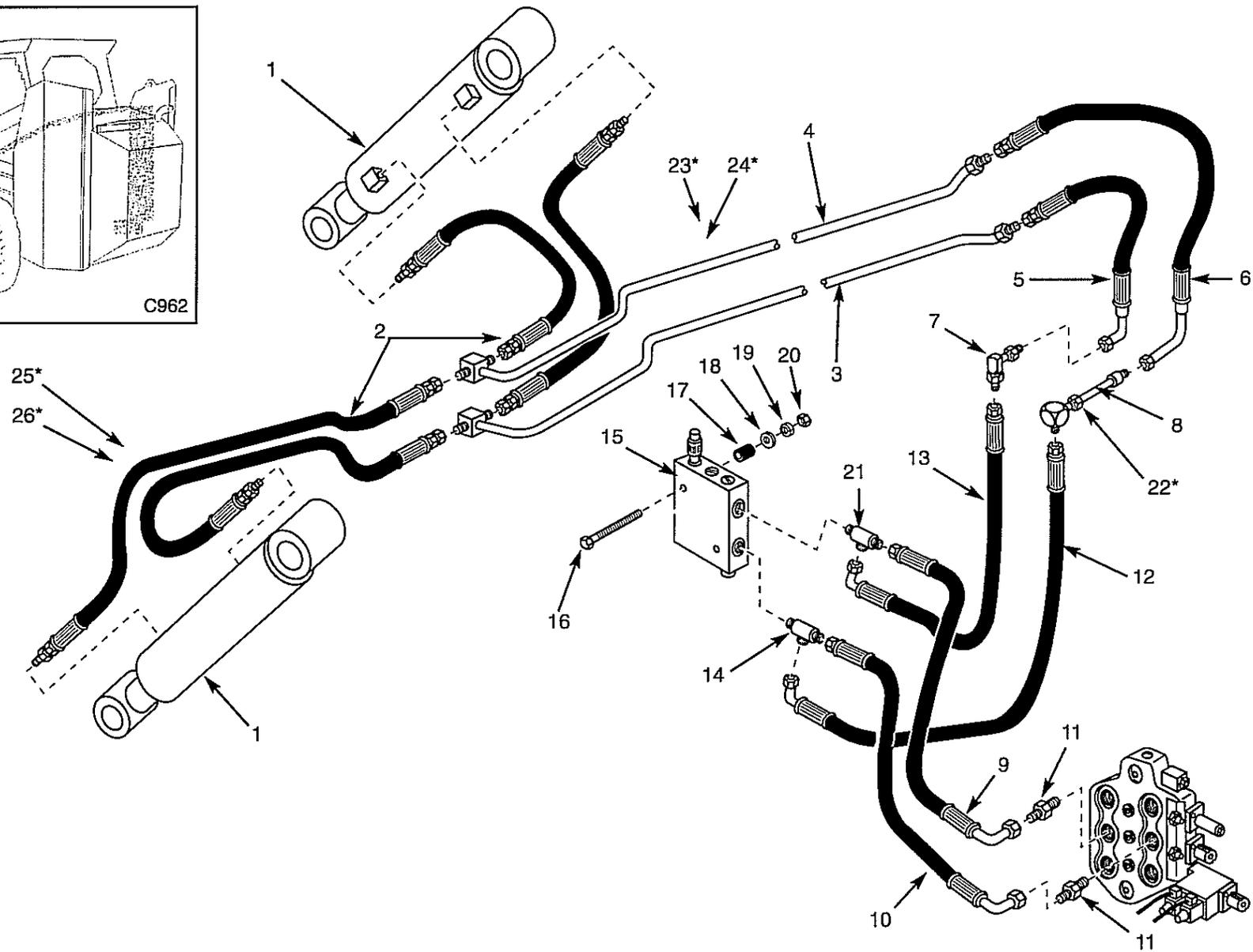
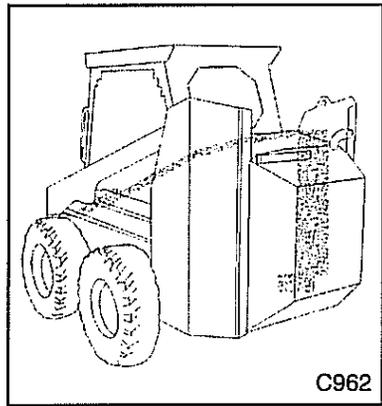
C2693

ITEM	PART	QTY	DESCRIPTION
1.	***	2	Tilt cylinder, see section 4.7
2.	961499	4	Hose, tilt cylinder to tube
3.	42091	1	Tube, inside tilt
4.	43570	1	Tube, outside tilt
5.	961761	1	Hose, front bulkhead to inside tube
6.	961760	1	Hose, rear bulkhead to outside tube
7.	33831	1	Bulkhead connector, short 90°
8.	43536	1	Bulkhead connector, long 90°
9.	962753	2	Hose, control valve to bulkhead
10.	19226	2	Connector
11.	***	1	Control valve, see section 4.9
12.	43903	2	Star washer
13*	38303	4	Clamp, tubing
14*	38472	4	Cover, for 38303 clamp
15*	42061	4	Clamp, tilt hoses
16*	42076	4	Cover, for 42061 clamp

* Items not shown

BUCKET TILT CIRCUIT (with self level valve)

4.6b



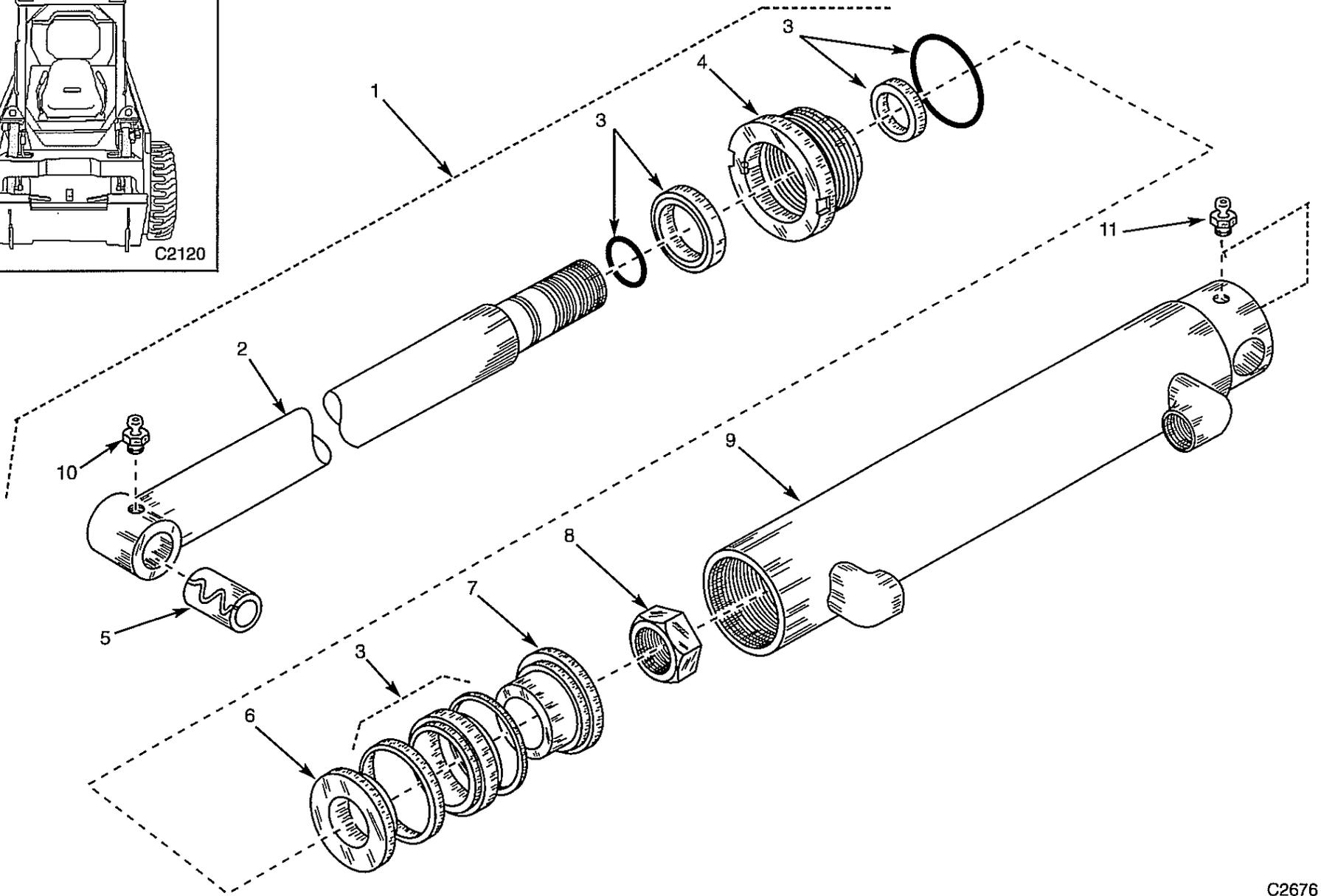
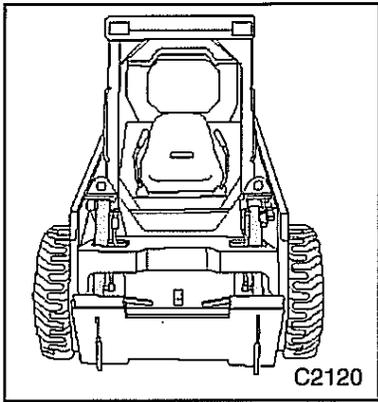
C2766

ITEM	PART	QTY	DESCRIPTION
1.	***	2	Tilt cylinder, see section 4.7
2.	961499	4	Hose, tilt cylinder to tube
3.	42091	1	Tube, inside tilt
4.	43570	1	Tube, outside tilt
5.	961761	1	Hose, front bulkhead to inside tube
6.	961760	1	Hose, rear bulkhead to outside tube
7.	33831	1	Bulkhead connector, short 90°
8.	43536	1	Bulkhead connector, long 90°
9.	962776	1	Hose, front valve port to SLV port "D"
10.	961937	1	Hose, rear valve port to SLV port "C"
10.	19226	2	Connector
11.	***	1	Control valve, see section 4.9
12.	961778	1	Hose, SLV port "C", tee to rear bulkhead
13.	961767	1	Hose, SLV port "D", tee to front bulkhead
14.	961777	1	Tee, with restrictor, port "C"
15.	***	1	Self level valve, (SLV), see section 4.10
16.	42907	2	Bolt
17.	36273	2	Spacer bushing
18.	17438	2	Flat washer
19.	17441	2	Lock washer
20.	24615	2	Nut
21.	36626	1	Tee
22.	43903	2	Star washer
23*	38303	4	Clamp, tubing
24*	38472	4	Cover, for 38303 clamp
25*	42061	4	Clamp, tilt hoses
26*	42076	4	Cover, for 42061 clamp

* Items not shown

TILT CYLINDER

4.7

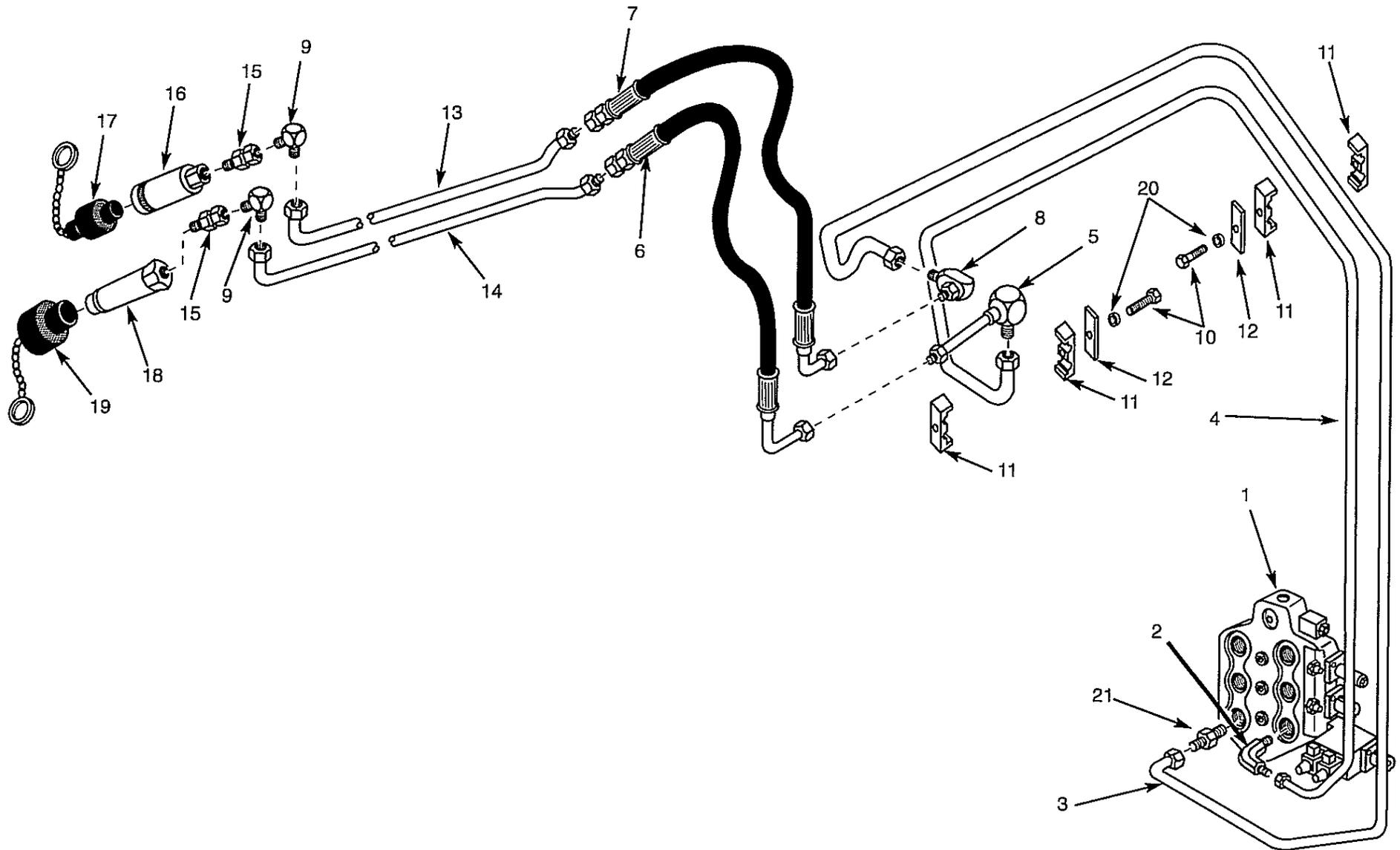


C2676

ITEM	PART	QTY	DESCRIPTION
1.	33153	1	Tilt cylinder (pair required)
2.	42850	1	Rod, 1.5" diameter
3.	32511	1	Seal kit
4.	33868	1	Cap, cylinder end
5.	30641	1	Hardened bushing
6.	29861	1	Piston, part "B" 0.375" long
7.	42851	1	Piston, part "C" 1.312" long
8.	6297	1	Lock nut
9.	33155	1	Tube, cylinder barrel, 3" I.D.
10.	2010	1	Grease fitting, straight
11.	35451	1	Grease fitting, 90°

AUXILIARY CIRCUIT

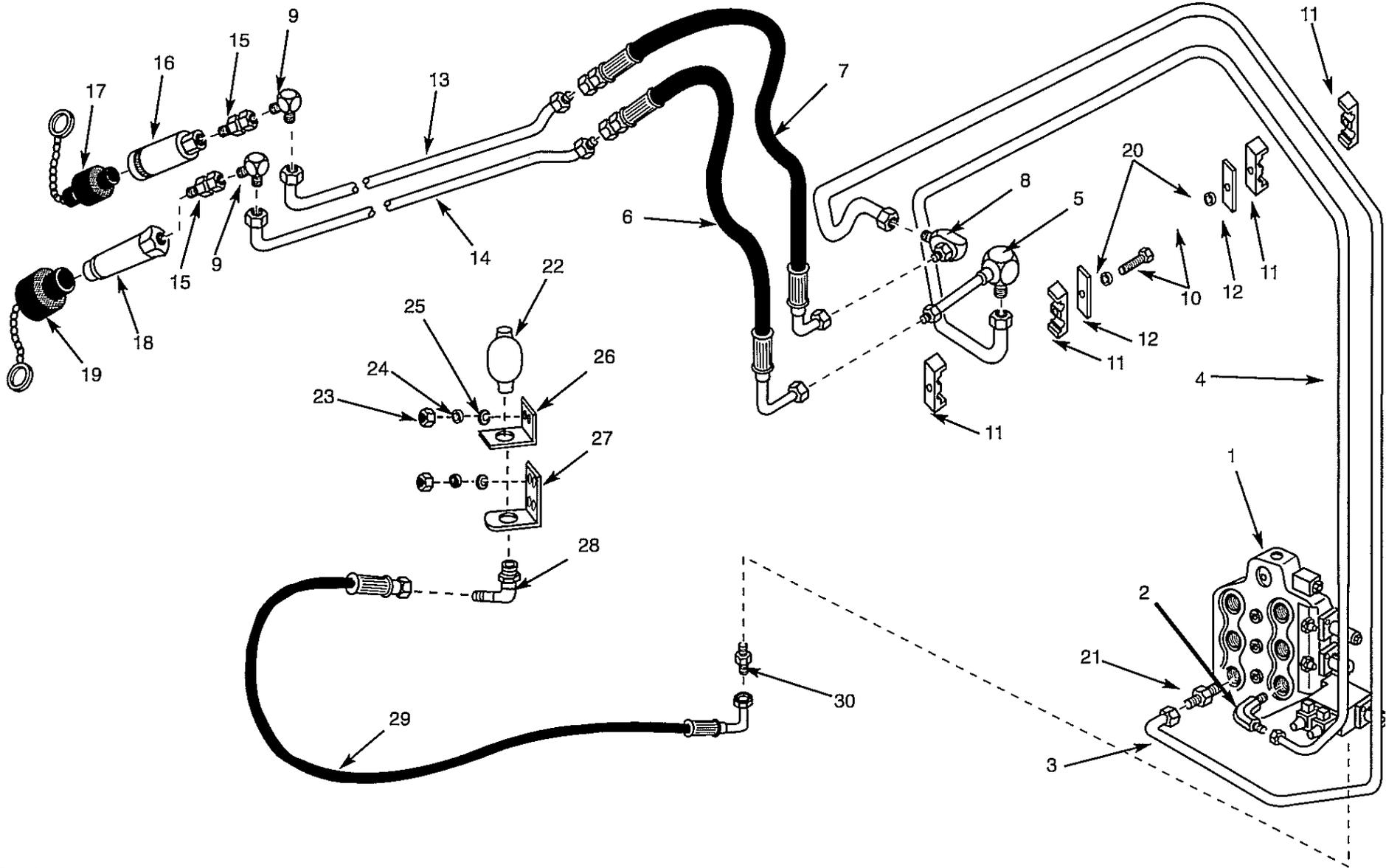
4.8a



C2775

ITEM	PART	QTY	DESCRIPTION
1.	***	1	Control valve, see section 4.9
2.	19232	1	Elbow, 90°
3.	44674	1	Tube, valve front port to front bulkhead
4.	44675	1	Tube, valve rear port to rear bulkhead
5.	43536	2	Bulkhead connector, long 90°
*	43903	2	Internal star washer (used on bulkheads)
6.	961760	1	Hose, outside to rear bulkhead
7.	961761	1	Hose, inside to front bulkhead
8.	33831	1	Bulkhead connector, 90°
9.	22280	2	Elbow, 90°
10.	1678	2	Bolt
11.	38303	4	Clamp
12.	38472	2	Cover for clamp
13.	42089	1	Tube, Inside auxiliary
14.	43571	1	Tube, Outside auxiliary
15.	29437	2	Bulkhead connector, straight
16.	6608	1	female quick coupler
17.	7124	1	Plug for female quick coupler
18.	1803	1	Male quick coupler
19.	7667	1	Cap for male quick coupler
20.	1870	2	Lock washer
21.	19226	1	Connector, straight

AUXILIARY CIRCUIT WITH ACCUMULATOR T245HDK (S/N LM001540 onward) 4.8b

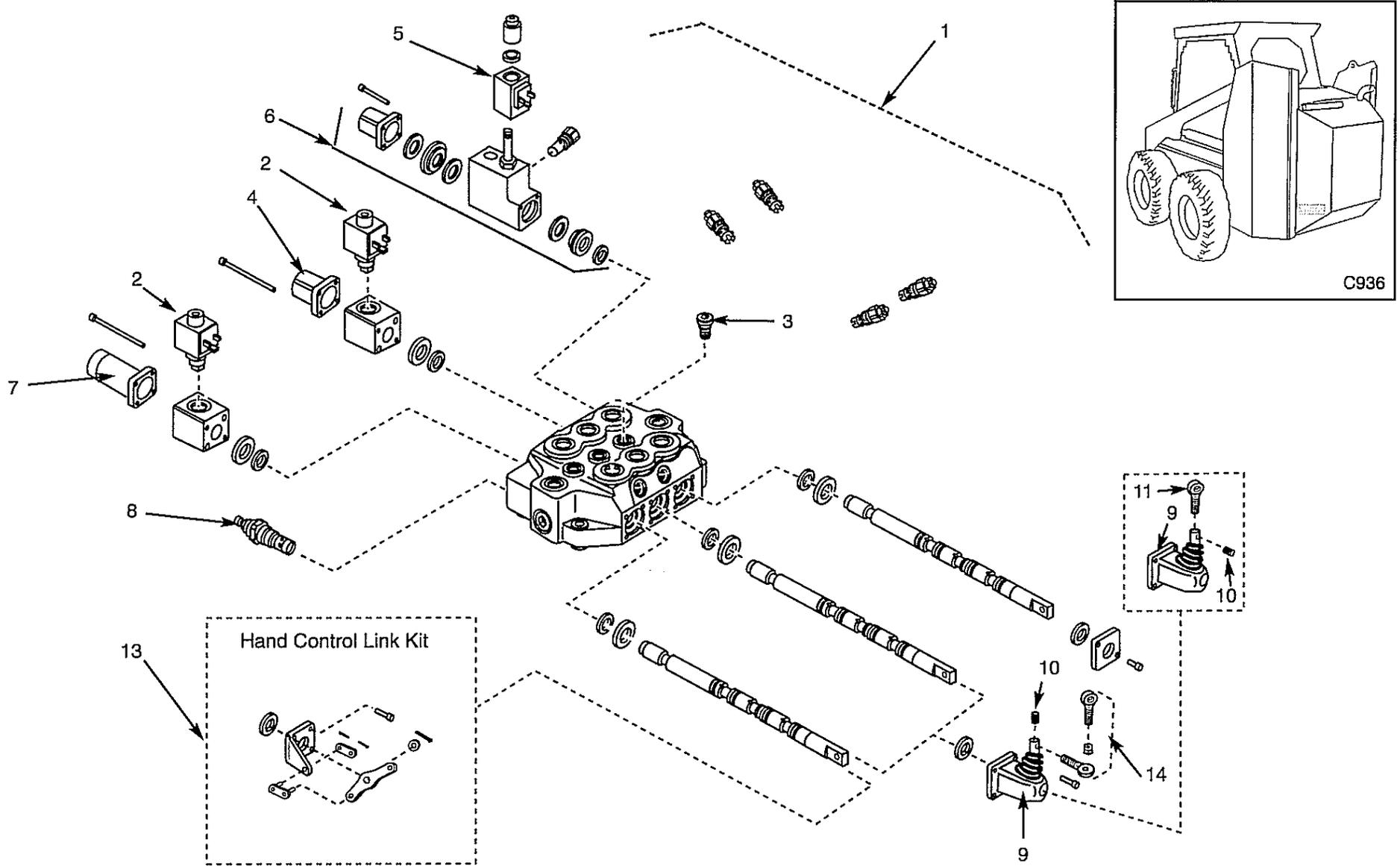


ITEM	PART	QTY	DESCRIPTION
1.	***	1	Control valve, see section 4.9
2.	19232	1	Elbow, 90°
3.	44674	1	Tube, valve front port to front bulkhead
4.	44675	1	Tube, valve rear port to rear bulkhead
5.	43536	2	Bulkhead connector, long 90°
*	43903	2	Internal star washer (used on bulkheads)
6.	961760	1	Hose, outside to rear bulkhead
7.	961761	1	Hose, inside to front bulkhead
8.	33831	1	Bulkhead connector, 90°
9.	22280	2	Elbow, 90°
10.	1678	2	Bolt
11.	38303	4	Clamp
12.	38472	2	Cover for clamp
13.	42089	1	Tube, Inside auxiliary
14.	43571	1	Tube, Outside auxiliary
15.	29437	2	Bulkhead connector, straight
16.	6608	1	female quick coupler
17.	7124	1	Plug for female quick coupler
18.	1803	1	Male quick coupler
19.	7667	1	Cap for male quick coupler
20.	1870	2	Lock washer
21.	19226	1	Connector, straight
22.	46118	1	Accumulator, diaphragm (LM001540 onward)
23.	1191	4	Nut, hex 5/16"
24.	1870	4	Washer, lock 5/16"
25.	1651	4	Washer, flat 5/16"26
26.	46165	1	Sheet accum mount top (LM001406 onward)
27.	46116	1	Sheet accum mount bottom (LM001406 onward)
28.	21128	1	Elbow, 90 deg. str. thd. 6 9/16" JIC max8 3/4" ORB M must be forged
29.	963293	2	Hydraulic hose 1/4"x 35-1/2" M3K 6 9/16" JIC F-SW X 7/16" J
30.	30266	1	Connector 4 7/16" JIC MX4 7/16" ORB

AUXILIARY CIRCUIT WITH ACCUMULATOR T245HDK (S/N LM001540 onward) 4.8b

CONTROL VALVE (T245HDK Models LM001441 ONWARD)

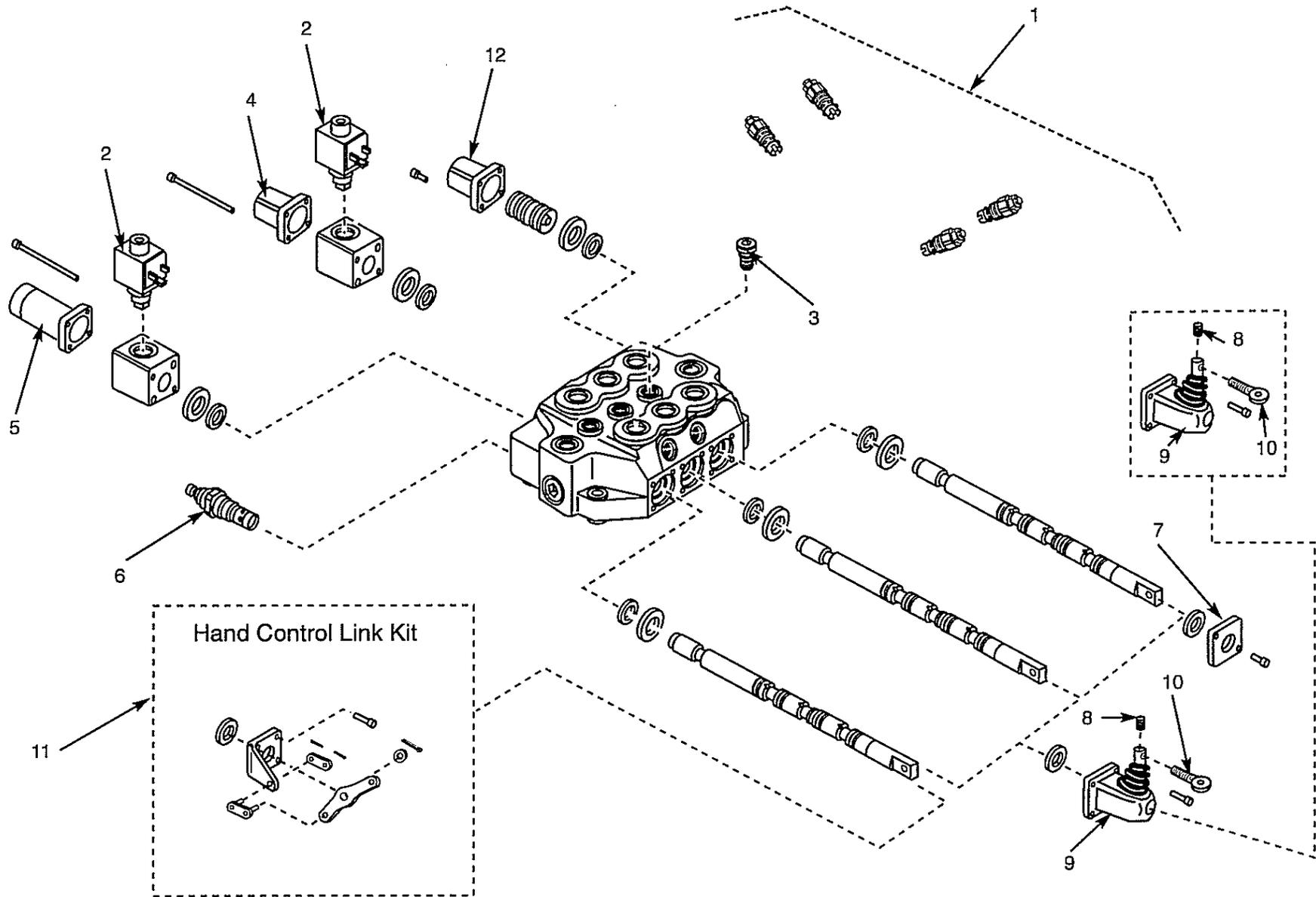
4.9a



ITEM	PART	QTY	DESCRIPTION
1.	44617	1	Control valve, foot operated
1.	46120	1	Control valve, foot operated
1.	44916	1	Control valve, hand operated
1.	46125	1	Control valve, hand operated
2.	43724	2	Coil, lock solenoid
3.	43722	3	Check valve
4.		1	Kit, spring return, tilt
5.	43723	2	Coil, auxiliary solenoid (T245HDK models only)
6.	43814	1	Auxiliary control with coils (T245HDK models only)
7.	43728	1	Kit, spring return / detent, lift
8.	43721	1	Main relief valve
9	44935	2	Control box
10.	44473	2	Set screw
11.	44299	2	Control box linkage
12.	44936	1	Cover plate, with scraper seal and screws
13.	44937	1	Cover plate, reverse link kit, with scraper seal and screws
14.	963206	1	Valve linkage
*	43812	1	Seal kit (not shown)

CONTROL VALVE (ProTough 2200 Models LP000101 onward)

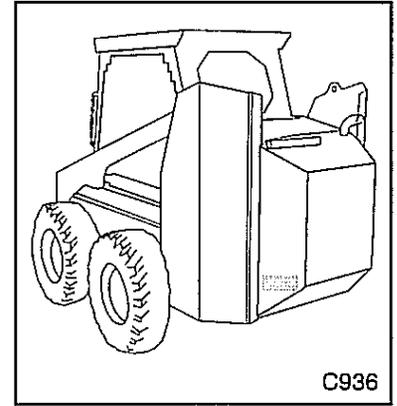
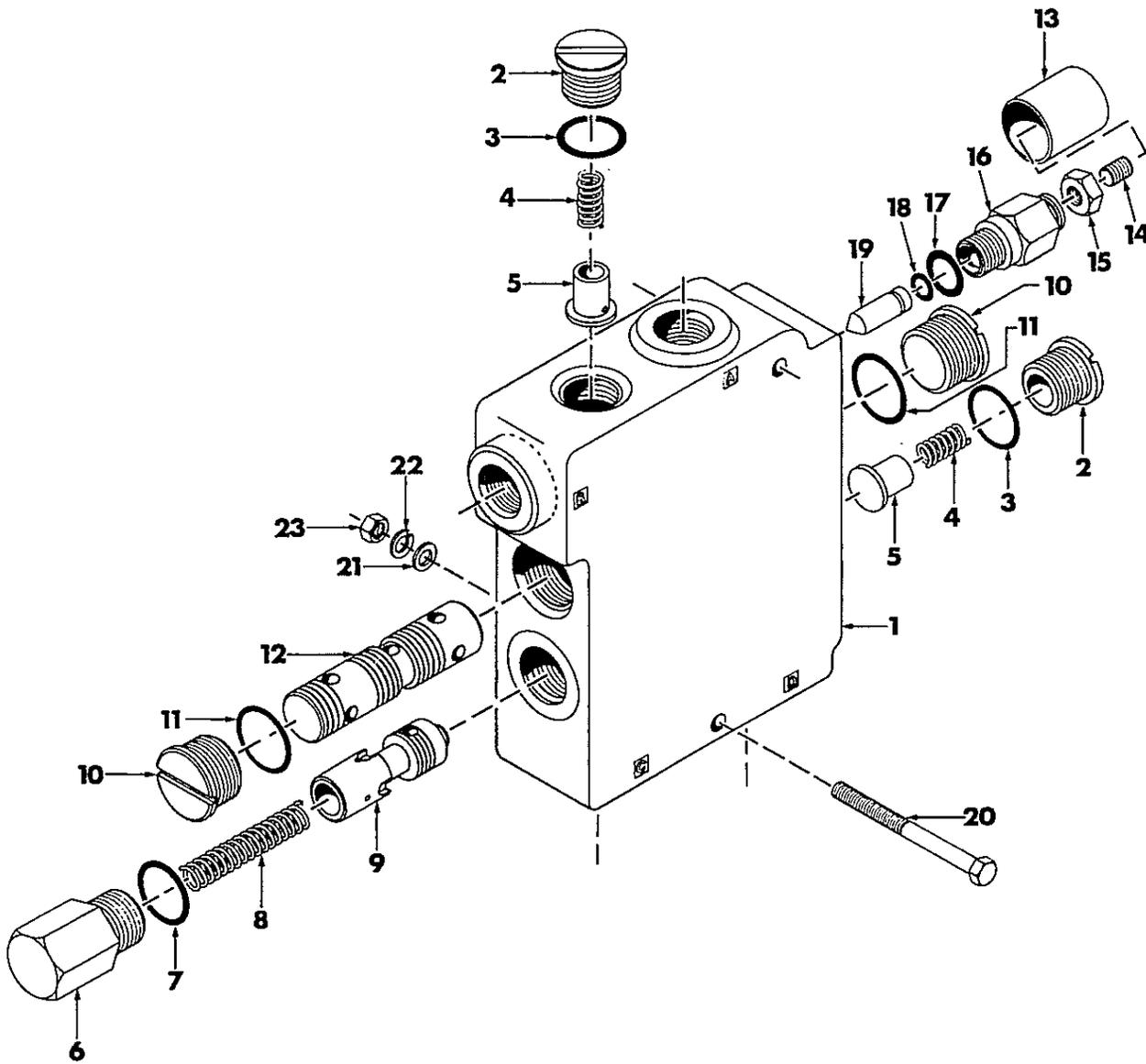
4.9b



ITEM	PART	QTY	DESCRIPTION
1.	44617	1	Control valve, foot operated
1.	46120	1	Control valve, foot operated
1.	44916	1	Control valve, hand operated
1.	46125	1	Control valve, hand operated
2.	43724	2	Coil, lock solenoid
3.	43722	3	Check valve
4.		1	Kit, spring return, tilt
5.	43728	1	Kit, spring return / detent, lift
6.	43721	1	Main relief valve
7.	44936	1	Cover plate, with scraper seal and screws
8.	44473	2	Set screw
9.	44935	2	Control box
10.	44299	2	Control box linkage
11.	44937	1	Cover plate, reverse link kit,with scraper seal and screws
12.	43725	1	Kit, Detente, Aux.
*	43812	1	Seal kit, (not shown)

SELF LEVEL VALVE

4.10

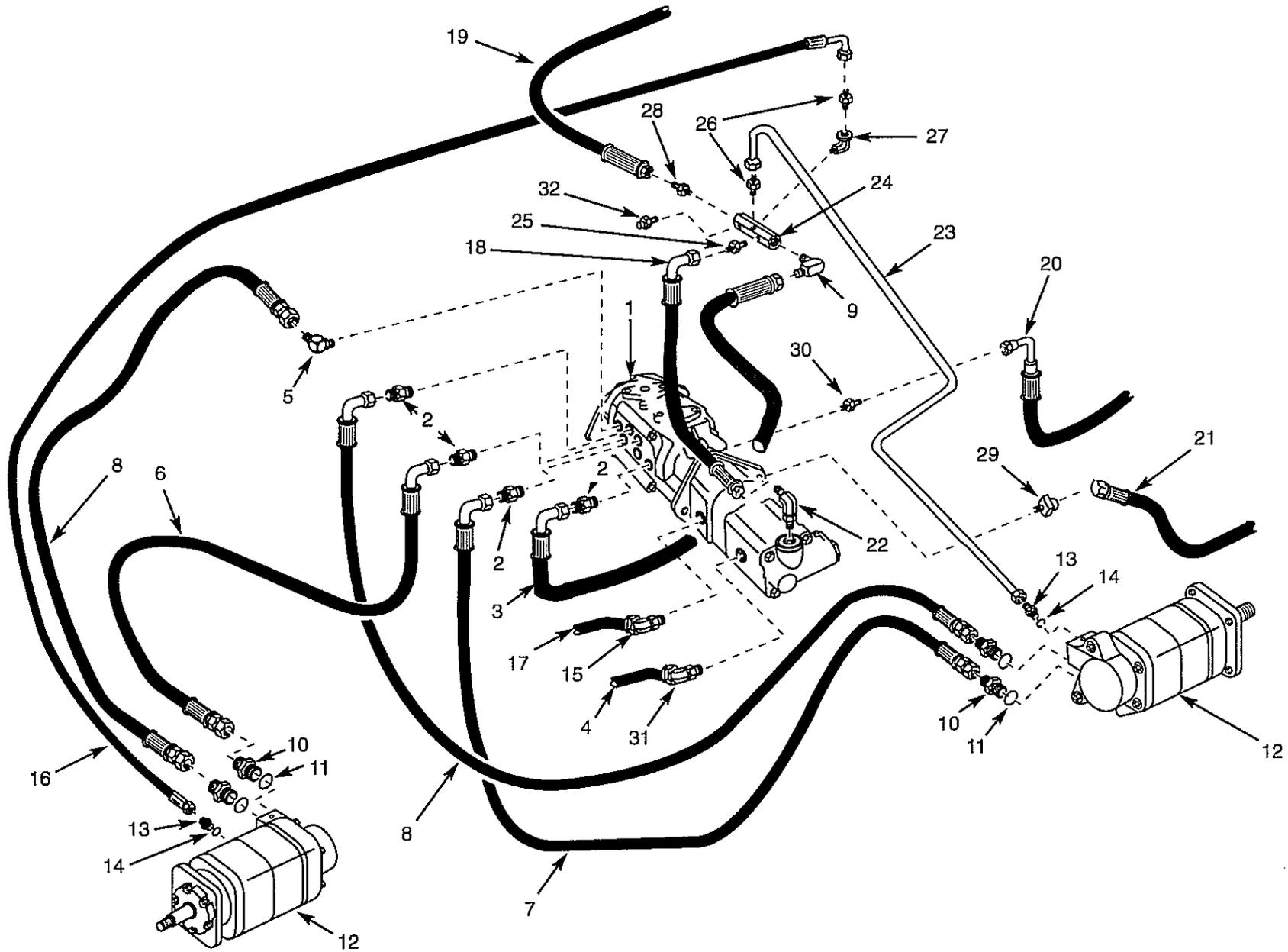


C861

ITEM	PART	QTY	DESCRIPTION
*	26549	1	Self level valve assembly
1.	29368	1	Valve body
2.	29369	1	Plug
3.	item 24	2	O - ring
4.	29370	2	Spring
5.	29371	2	Plunger
6.	29372	1	Plug
7.	item 24	1	O - ring
8.	29373	1	Spring
9.	NSP	1	Spool
10.	29375	2	Plug
11.	item 24	2	O - ring
12.	NSP	1	Spool
13.	29377	1	Cover
14.	29346	1	Set screw
15.	29345	1	Nut
16.	29378	1	Adjuster cap
17.	item 24	1	O - ring
18.	item 24	1	O - ring
19.	29379	1	Pin
20.	26081	2	Bolt
21.	17441	2	Lock washer
22.	17438	2	Flat washer
23.	24615	2	Nut
24.	29382	1	Seal kit
*	959832	1	Self level valve mount (not shown)

Hydrostatic Drive Circuit	5.1
Hydrostatic Pump.....	5.2
Torque Motor.....	5.3

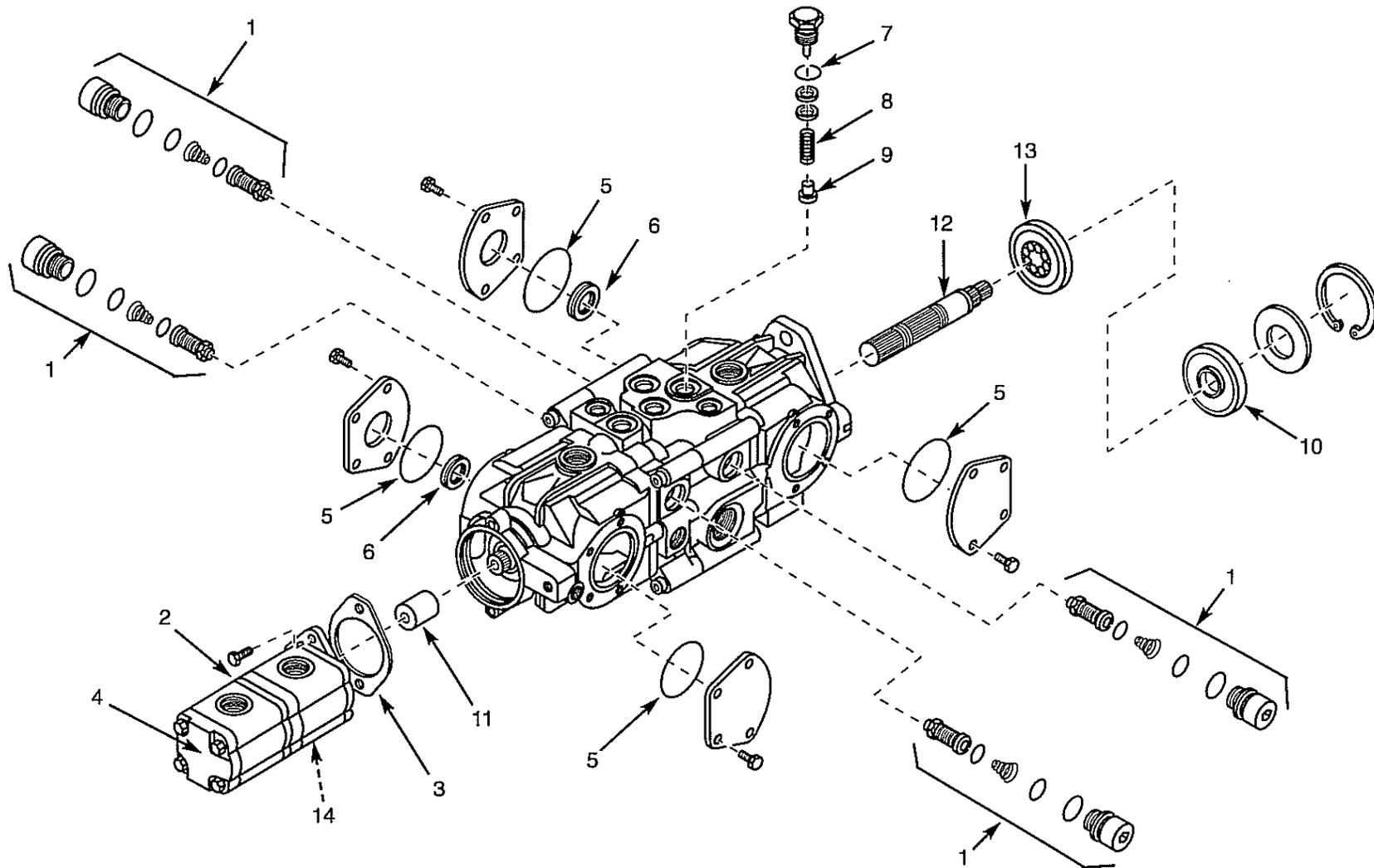
HYDROSTATIC DRIVE CIRCUIT



ITEM	PART	QTY	DESCRIPTION
1.	***	1	Tandem pump, see section 5.3
2.	14866	4	Connector
3.	961755	1	Hose, tandem case drain to manifold
4.	962269	1	Hose, gear pump to fan motor inlet
5.	14866	1	Elbow, 90°
6.	961765	1	Hose, bottom rear pump to top port motor
7.	961762	1	Hose, top front pump to bottom port motor (left hand side)
8.	961763	2	Hose, top rear pump to bottom port RH motor, and bottom front pump to top port LH motor
9.	28994	1	Elbow, 90°
10.	8104	4	Connector, includes #11
11.	23750	4	O-ring
12.	***	1	Drive motor, see section 5.4
13.	962520	1	Connector, with restrictor, includes #14
14.	23747	1	O-ring
15.	19232	1	Elbow, 90°
16.	957259	1	Hose, RH motor drain to manifold
17.	961747	1	Hose, gear pump to control valve inlet
18.	961754	1	Hose, gear pump to manifold
19.	961756	1	Hose, manifold outlet to tank
20.	963229	1	Hose, charge filter to tandem inlet
21.	962266	1	Hose, tank to gear pump inlet
22.	23388	1	Elbow, 90°
23.	31341	1	Tube, LH case drain
24.	953603	1	Manifold
25.	29438	1	Connector
26.	19242	2	Connector
27.	1461	1	Elbow, 90°
28.	28994	1	Connector
29.	42325	1	Elbow, 45°
30.	19233	1	Connector
31.	25011	1	Elbow, 90°
32.	1457	1	Plug

HYDROSTATIC TANDEM PUMP (245HDK Model)

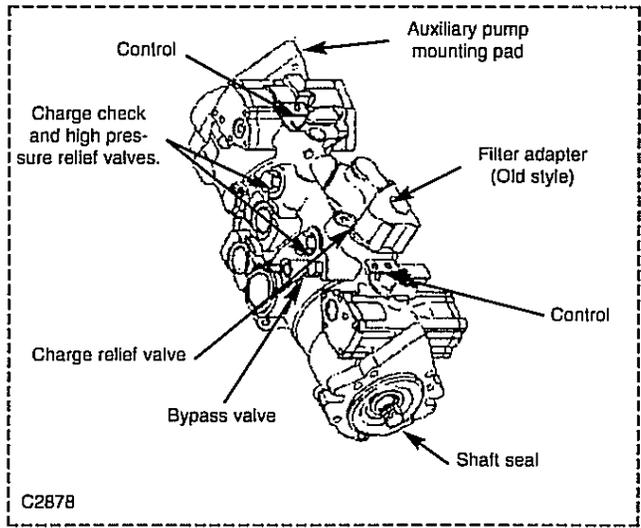
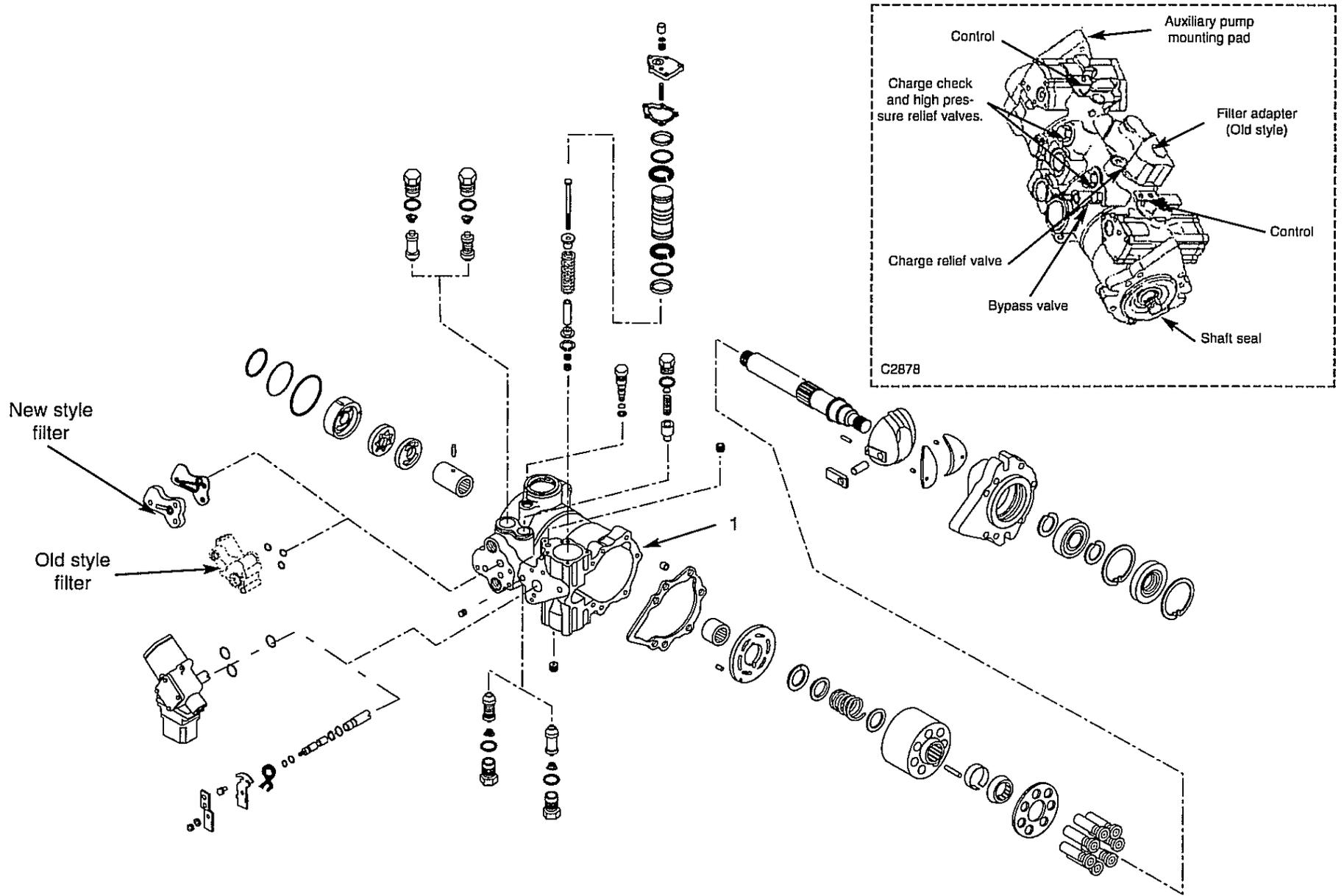
5.2A



ITEM	PART	QTY	DESCRIPTION
*	42767	1	Complete tandem pump assembly
1.	42908	4	Relief valve, 325 bar
2.	42813	1	Gear pump assembly
3.	42812	1	Gasket
4.	42918	1	Relief valve (0.093)
5.	43167	4	O-ring, swashplate cover
6.	43168	2	Seal, swashplate housing
7.	43166	1	O-ring, charge relief
8.	43164	1	Spring, charge relief
9.	43165	1	Valve, poppet, charge relief
10.	43169	1	Seal, input drive
11.	43170	1	Coupler, gear to tandem
12.	44279	1	Input shaft
13.	44276	1	Bearing, input shaft
14.	42795	1	Seal kit, gear pump (rear only)

HYDROSTATIC TANDEM PUMP (SERVO DESIGN, T245HDK MODEL)

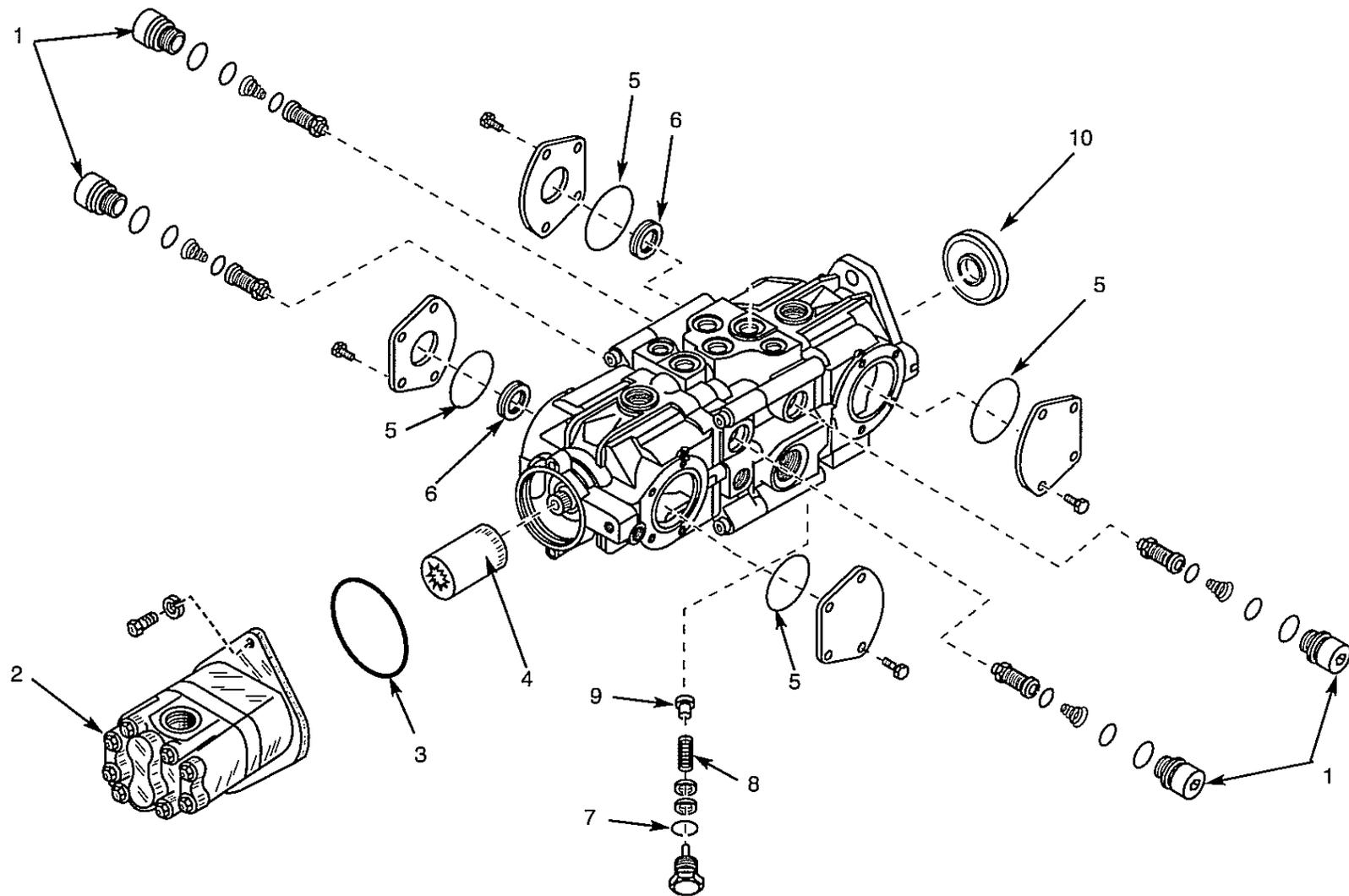
5.2B



C2877

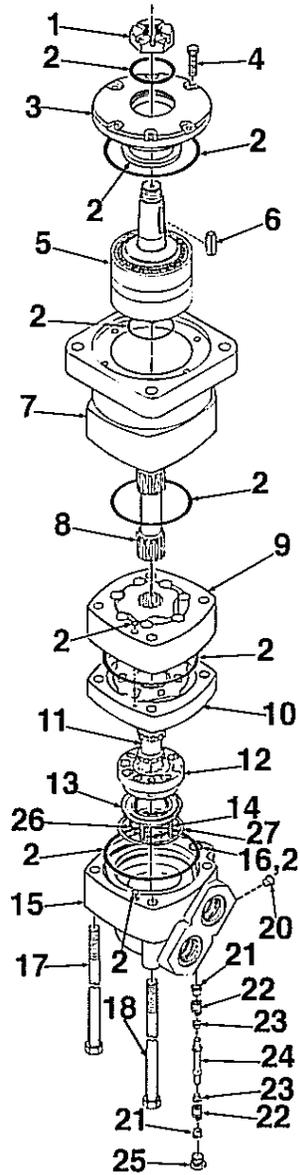
ITEM	PART	QTY	DESCRIPTION
	46333	1	Tandem Pump Complete Assembly (Servo design 325 bar)
1.	46579	1	Complete Kit, Seal Servo Pump
2.	46580	1	Gear pump

HYDROSTATIC TANDEM PUMP (ProTough 2200 MODEL LP000101 onward) 5.2C



ITEM	PART	QTY	DESCRIPTION
	46223	1	Tandem Pump Assy (325 Bar) (LP000101 onward)
1	44136	4	Relief valves (325 bar) (LP000101 onward)
2	46683	1	Gear pump
3	43658	1	O-ring
4	43170	1	Coupler, gear to tandem
5	43167	4	O-ring, swashplate cover
6	43168	2	Seal, swashplate housing
7	43166	1	O-ring, charge relief
8	43164	1	Spring, charge relief
9	43165	1	Valve, poppet, charge relief
10	43169	1	Seal, Input Drive

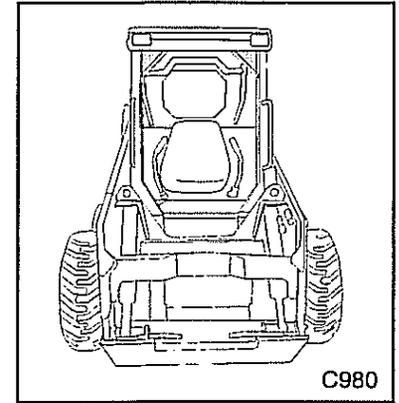
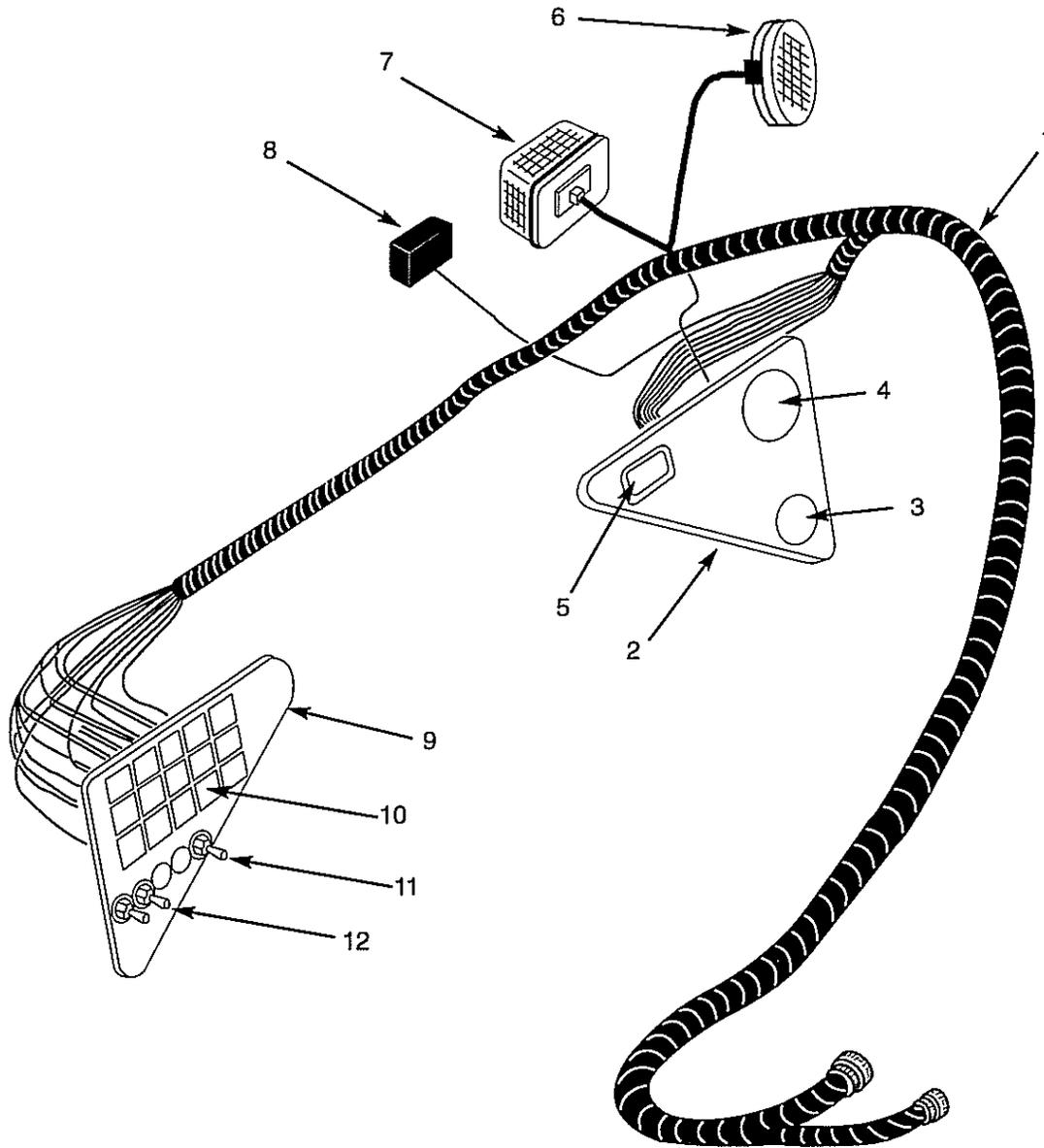
HYDROSTATIC TANDEM PUMP (ProTough 2200 MODEL LP000100 onward) 5.2C



TORQUE MOTOR**5.3**

ITEM	PART	QTY	DESCRIPTION
*	42453	1	Torque motor (2 required)
1.	22071	1	Nut
2.	22117	1	Seal kit
3.	42955	1	Retainer
4.	22073	6	Screw
5.	42953	1	Shaft sub assembly
6.	22075	1	Key
7.	42954	1	Bearing housing
8.	42609	1	Drive shaft
9.	42607	1	Geroler assembly
10.	22105	1	Valve plate
11.	22106	1	Valve drive
12.	22107	1	Valve
13.	22108	1	Balance ring
14.	22109	3	Spring
15.	22112	1	Valve housing
16.	22089	1	Plug
17.	42608	2	Bolt (long)
18.	42610	2	Bolt (short)
19.	-		
20.	22110	1	Plug
21.	22111	2	Dash pot sleeve
22.	22115	2	Spring
23.	22119	2	Poppet
24.	22120	1	Piston
25.	22121	1	Plug
26.	34181	1	Inner face seal
27.	34182	1	Outer face seal

Electrical Wiring, ROPS	6.1
Electrical Wiring, Engine	6.2

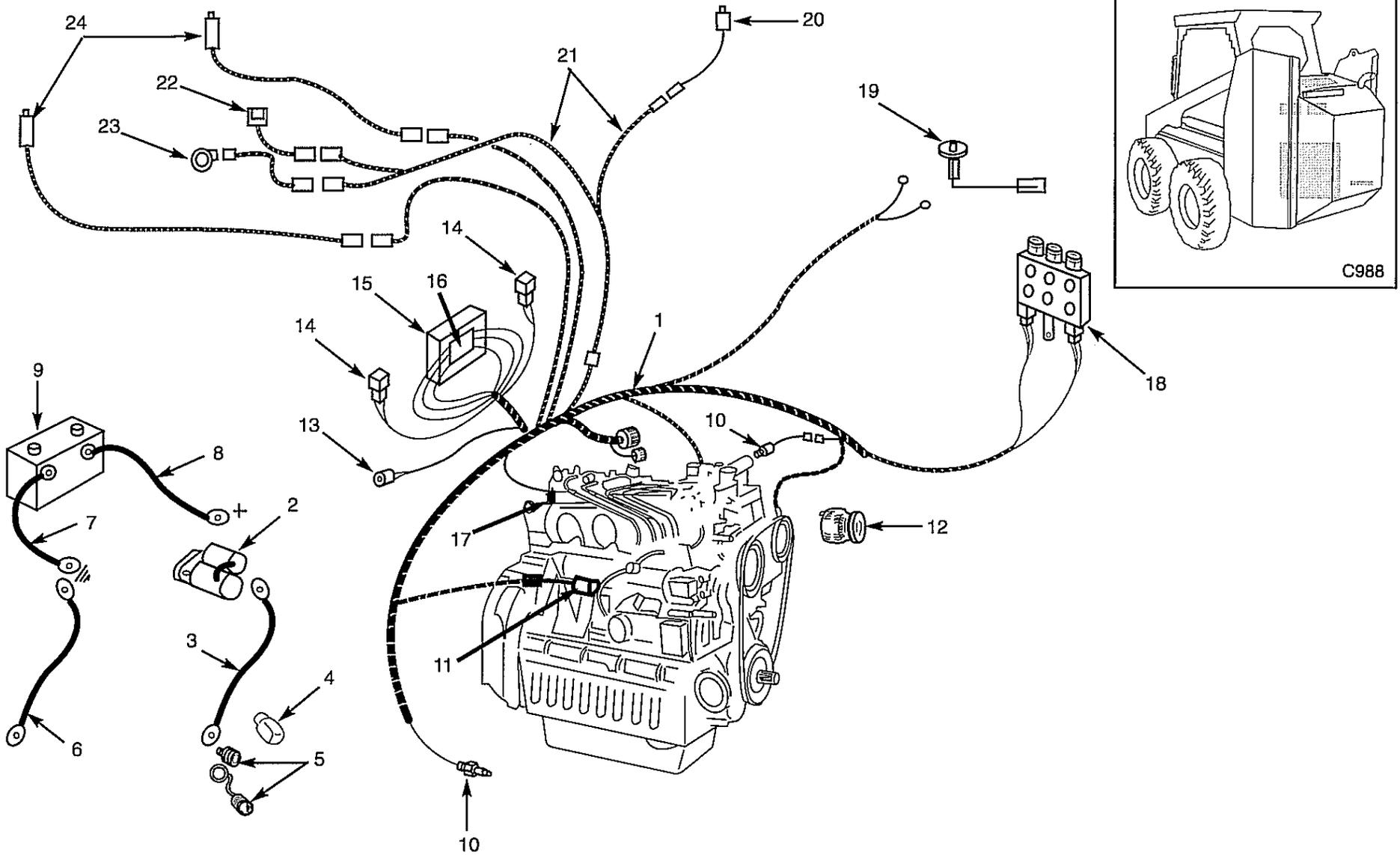


ITEM	PART	QTY	DESCRIPTION
1.	42065	1	Electrical harness, ROPS
2.	38794	1	Dash panel, RH
*	38800	1	Panel Insert, RH
*	38798	1	Outside panel pod, RH
3.	44961	1	Ignition switch, with keys
*	44960	1(pair)	Ignition key
*	41427	1	Thomas key ring
4	38577	1	Fuel gauge
5.	38761	1	Hour meter
6.	29971	1	Rear work light
7.	41607	2	Front work light
*	41611	1	Front lens
*	41612	1	Front bulb
8.	40918	1	Horn (option)
9.	41889	1	Dash panel, LH
*	46686	1	Dash panel, LH (S/N ??????? onward)
*	41890	1	Panel Insert, LH
*	38799	1	Outside panel pod, LH
10.	39972	1	Indicator bulb panel
11.	39123	1	Switch, SPST (headlight)
12.	39124	1	Switch, DPST (aux. control)

Harness Clamps

*	42433	1	Clamp, #8
*	42434	6	Clamp, #10
*	42435	5	Clamp, #12
*	42442	1	Clamp, #18

* Items not shown.

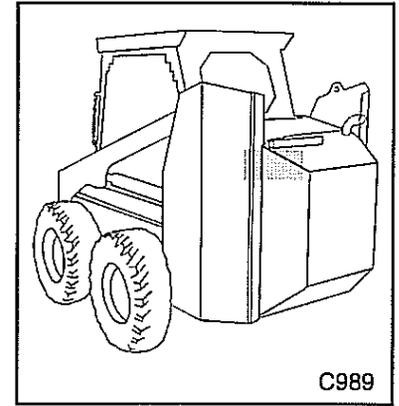
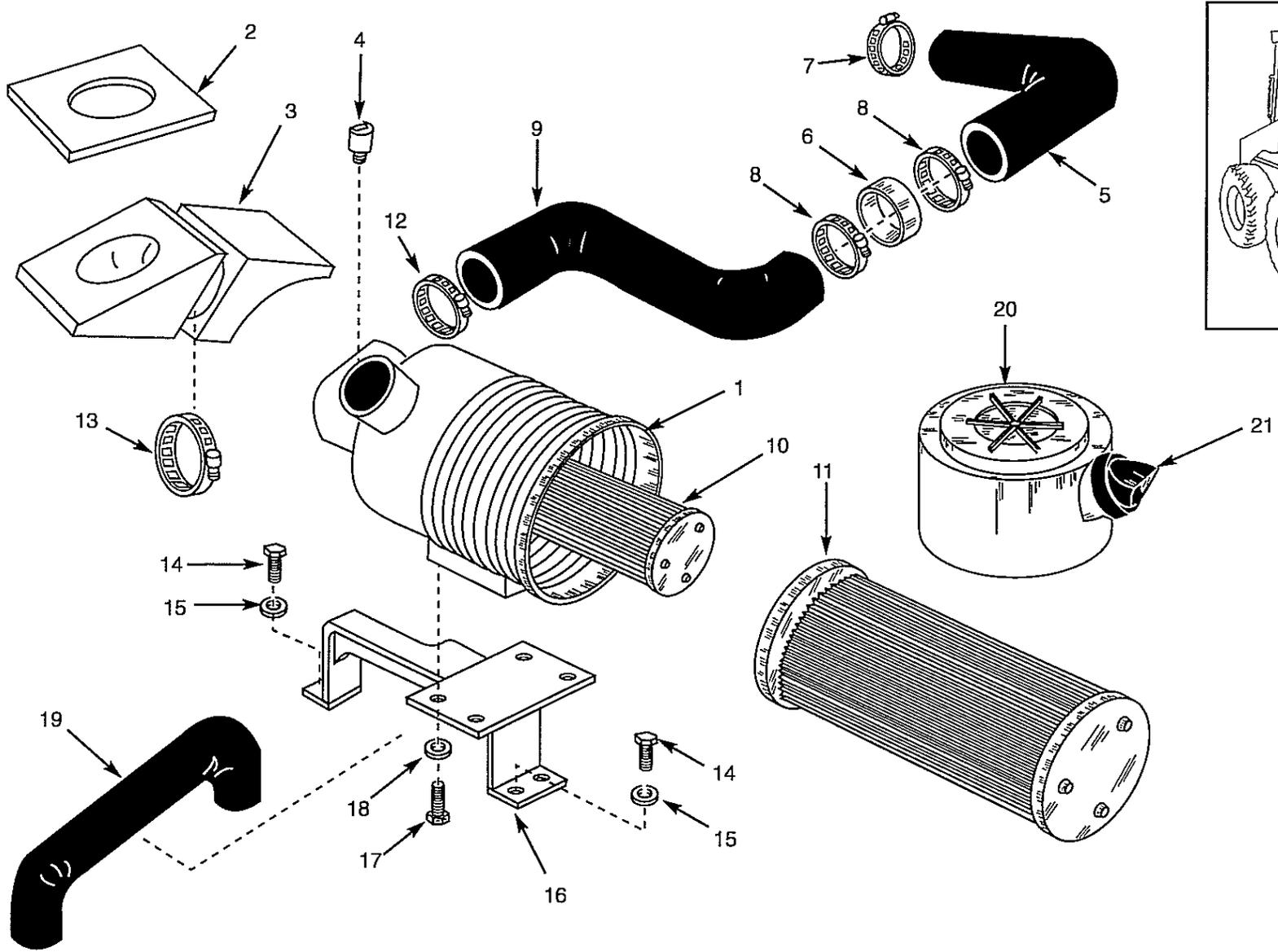


ITEM	PART	QTY	DESCRIPTION
1.	44747	1	Wire harness, engine
2.	44895	1	Starter
3.			Part of item 8
4.	39921	1	Boot
5.	37104	1	External boosting lug (with cover)
6.	22819	2	Cable, 18" ground strap
7.	38871	1	Cable, battery ground
8.	42064	1	Cable, dual battery positive
9.	38870	2	Battery
10.	37206	2	Engine / Hyd. temperature sender
*	18724	1	Sender, engine oil pressure
11.	44903	1	Solenoid, engine shut off
12.	44894	1	Alternator
13.	42407	1	Air restriction sender
14.	39840	2	Relay
15.	961693	1	Electrical box assembly
*	41791	1	Knob, for electrical box
16.	39540	1	Fuse terminal panel
*	39121	A / R	Fuse, 15 amp
*	39122	A / R	Fuse, 10 amp
*	21927	1	Circuit breaker, 40 amp
17.	44896	4	Glow plug
18.	***	1	Control valve, see section 4.9
19.	41627	1	Fuel level sender
20.	42805	1	Safety / Brake switch (DPST)
21.	42804	1	Electrical harness, mainframe
22.	960680	1	Seat belt ass'y with switch (2")
22.	960681	1	Seat belt ass'y with switch (3" option)
23.	38516	1	Seat switch
24.	40960	1	Control handle with switch
*	38412	2	Switch, for control handle
*	40918	1	Alarm, back up horn, optional
*	38752	1	Switch, back up alarm, optional

ITEM	PART	QTY	DESCRIPTION
Harness Clamps			
*	42433	1	Clamp, #8
*	42434	6	Clamp, #10
*	42435	5	Clamp, #12
*	42442	1	Clamp, #18

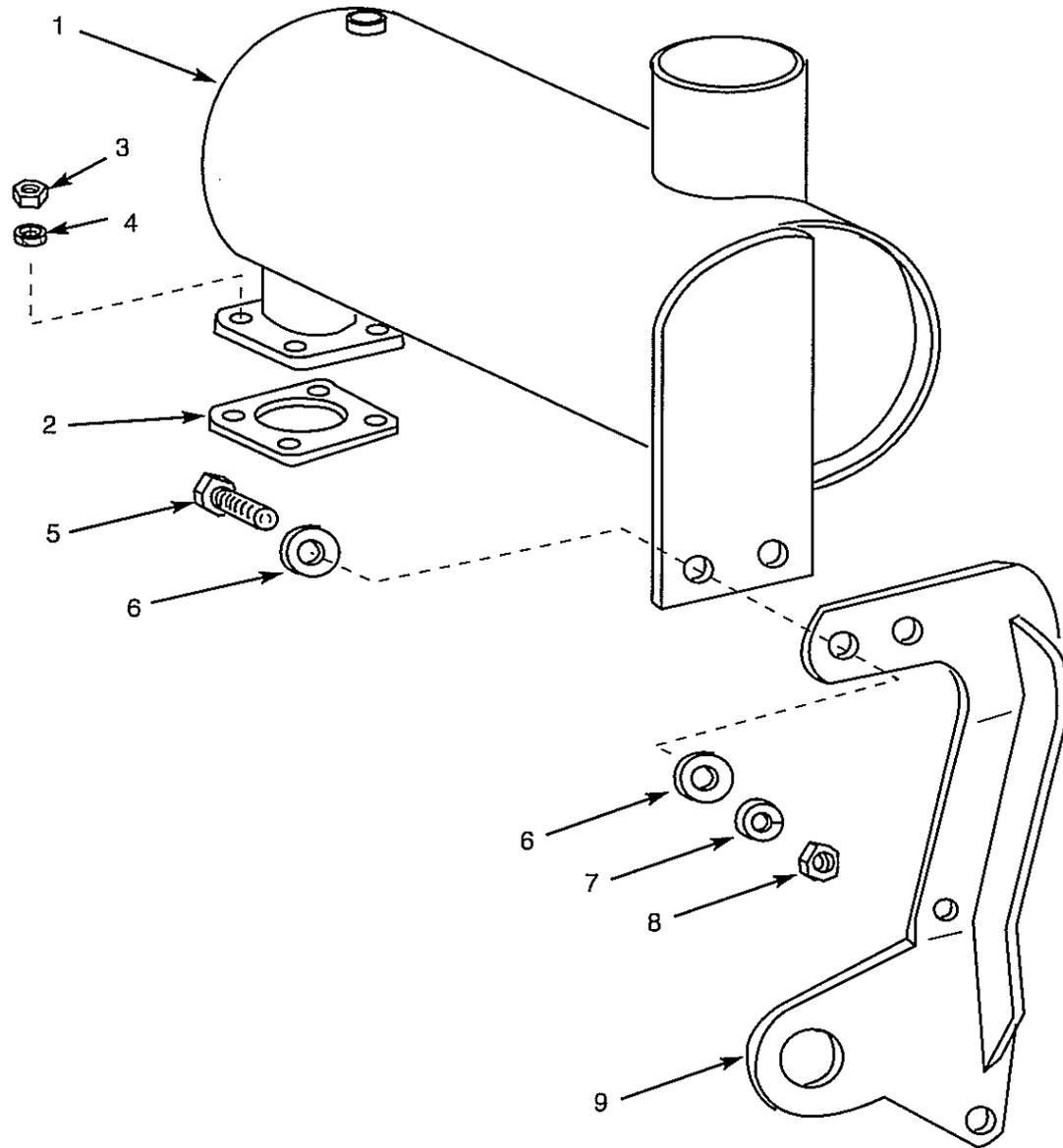
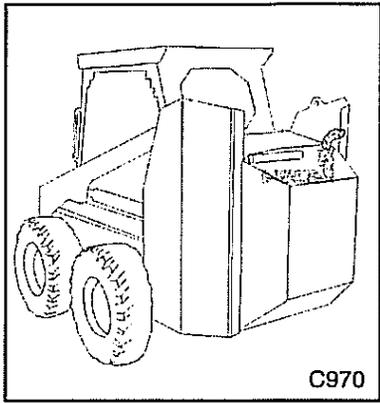
* Items not shown.

Air Cleaner	7.1
Exhaust System.....	7.2
Engine Accessories	7.3
Radiator & Oil Cooler	7.4

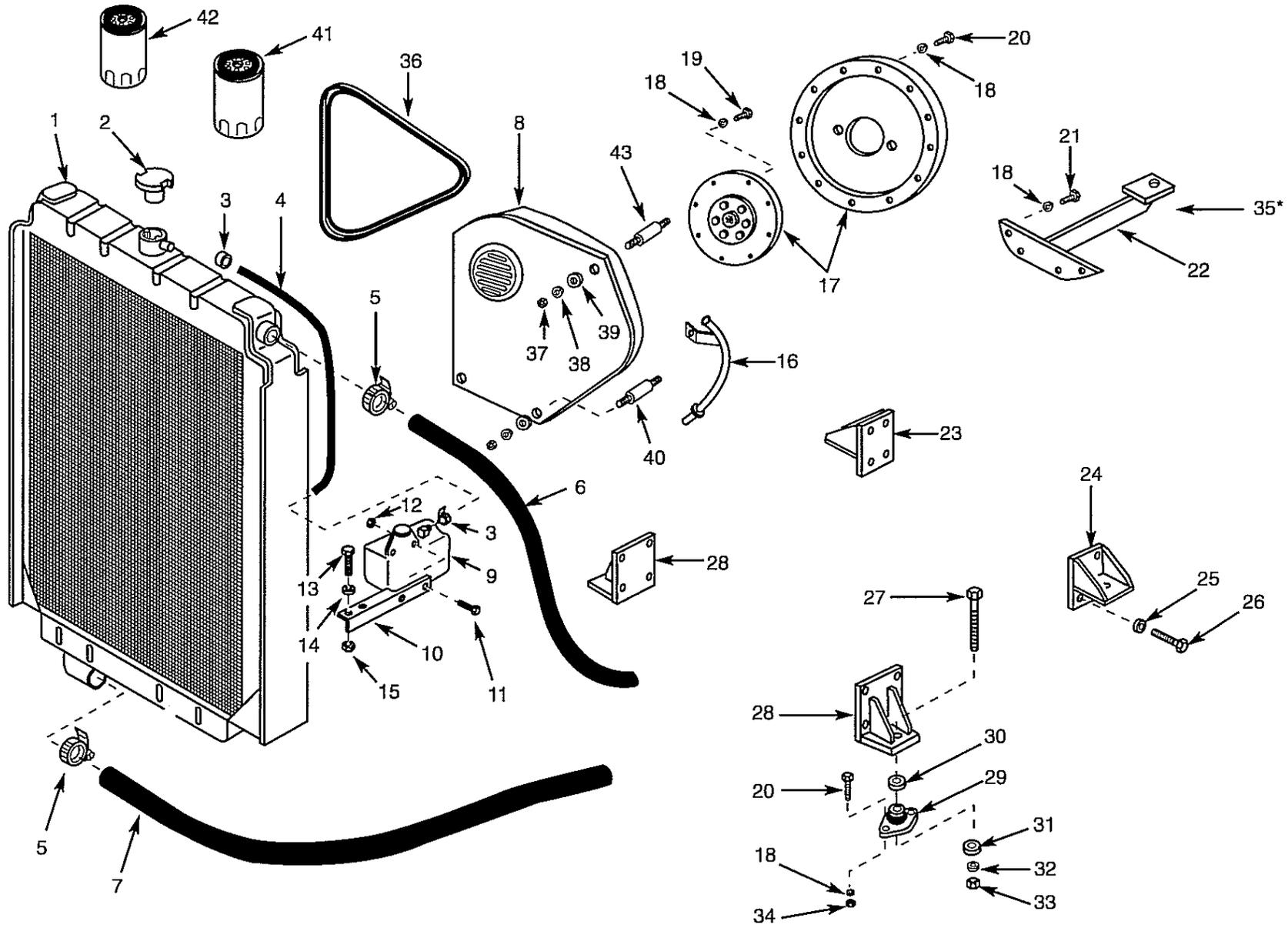


ITEM	PART	QTY	DESCRIPTION
1.	44828	1	Air cleaner assembly
2.	44761	1	Foam, air intake gasket (T245HDK only)
3.	44756	1	Foam, air cleaner seal (T245HDK only)
4.	42407	1	Sender, air restriction
5.	44435	1	Hose, molded, part A
6.	44816	1	Pipe, hose adapter
7.	6268	1	Clamp, #32
8.	44820	2	Clamp, #44
9.	44436	1	Hose, molded, part B
10.	44908	1	Element, safety
11.	44909	1	Element, primary
12.	44821	1	Clamp, #64
13.	44822	1	Clamp, #104 (To LM001381)
14.	24790	3	Bolt
15.	21028	3	Lock washer
16.	962891	1	Mount, air cleaner to engine
17.	19029	4	Bolt
18.	21029	4	Lock washer
19.	***	1	Hose, 1C040-1163-0, turbo to intake
20.	44910	1	Cover
21.	42422	1	Vacuator

*** Kubota part



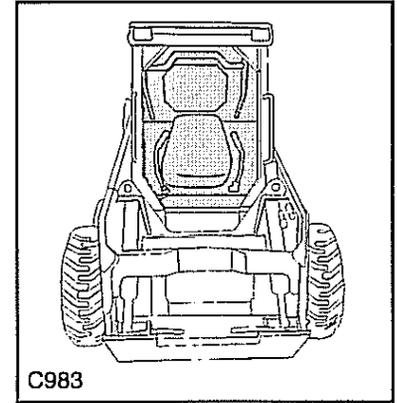
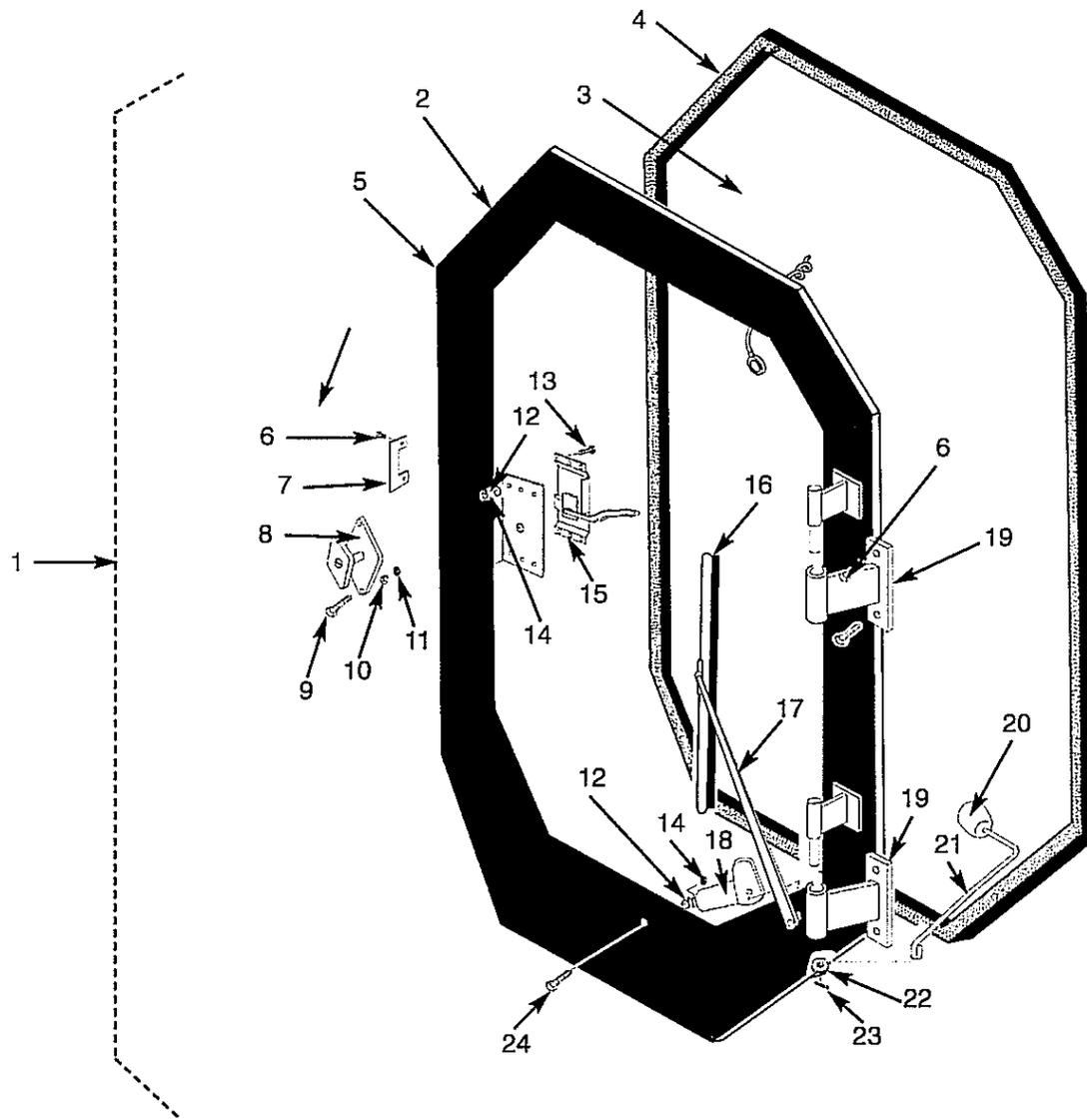
ITEM	PART	QTY	DESCRIPTION
1.	44709	1	Muffler
2.	44898	1	Gasket
3.	38420	4	Nut
4.	21028	4	Lock washer
5.	1193	2	Bolt
6.	1643	4	Flat washer
7.	1642	2	Lock washer
8.	1194	2	Nut
9.	963107	1	Bracket
9.	963256	1	Bracket



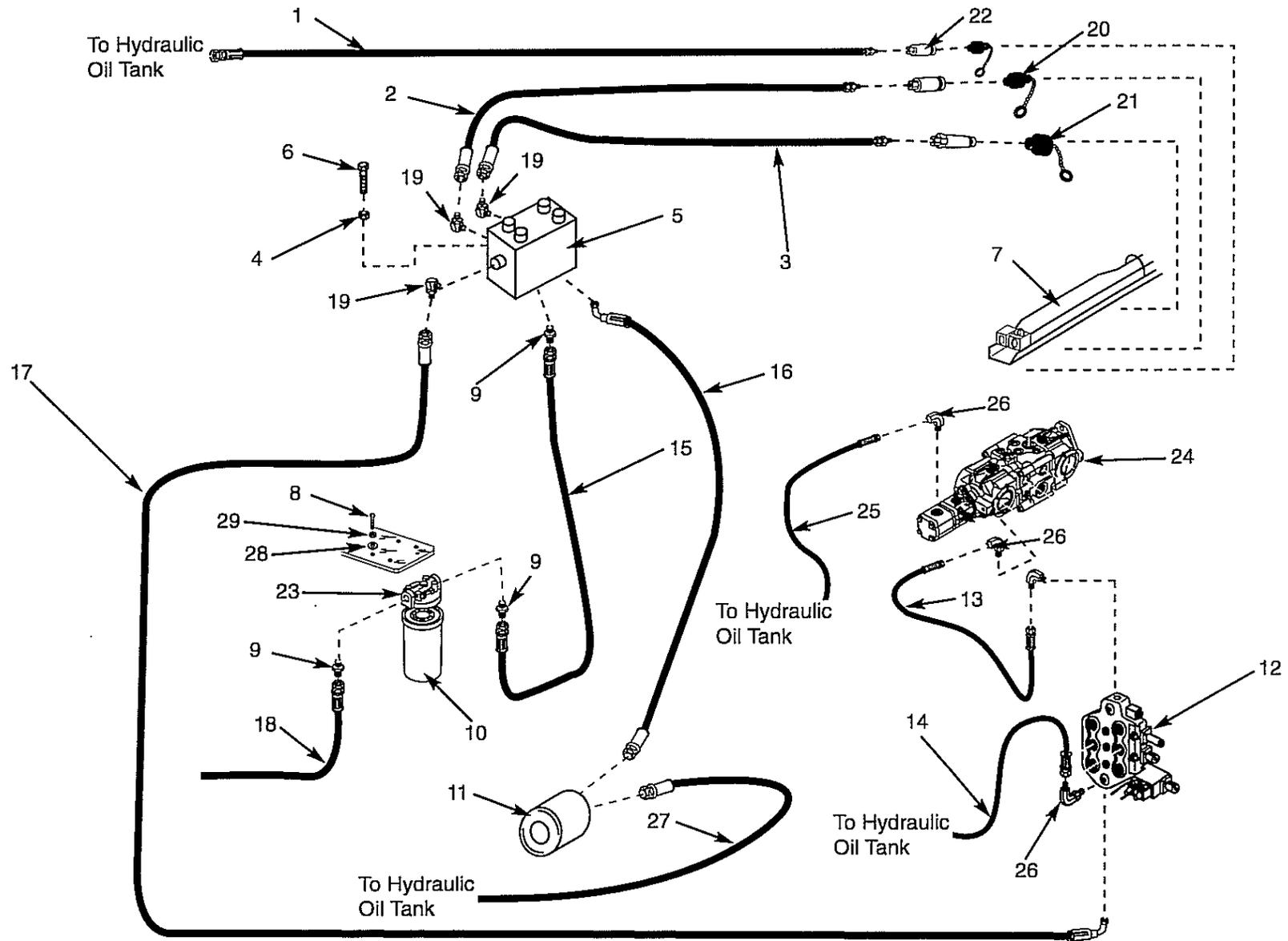
ITEM	PART	QTY	DESCRIPTION	ITEM	PART	QTY	DESCRIPTION
1.	44710	1	Radiator	36.	44902	1	V - belt
2.	44904	1	Cap	37.	20860	3	Nut
3.	34919	3	Clamp	38.	20861	3	Lock washer
4.	407	A/R	Hose (per / foot)	39.	23385	3	Flat washer
5.	6268	4	Clamp	40.	44851	2	Stand off, bottom
6.	46014	1	Hose, upper coolant	41.	44901	1	Engine oil filter
7.	46015	1	Hose, lower coolant	42.	42561	1	Fuel filter
8.	962882	1	Belt guard	43.	44852	1	Stand off, top
9.	42737	1	Over flow reservoir				
*	44850	1	Cap for overflow				
10.	44956	1	Bracket	*	44900	1	thermostat
11.	6081	2	Bolt	*	44897	1	thermostat gasket
12.	16771	2	Lock nut	*	44899	4	injector assembly
13.	1673	2	Bolt	*	35530	4	copper seal washer (for injector)
14.	1643	2	Flat washer				
15.	7465	2	Lock nut				
16.	44815	1	Tube, dipstick				
17.	44706	1	Kit, adapter				
18.	1642	28	Lock washer				
19.	1193	16	Bolt				
20.	1387	8	Bolt				
21.	8280	4	Bolt				
22.	962888	1	Pump support				
23.	962885	1	Engine mount, LH rear				
24.	962886	1	Engine mount, RH rear				
25.	21558	16	Lock washer				
26.	21557	16	Bolt				
27.	1529	4	Bolt				
28.	962887	2	Engine mount, front				
29.	44744	4	Isolator				
30.	44746	4	Washer, overload				
31.	44745	4	Washer, rebound				
32.	1647	4	Lock washer				
33.	25091	4	Nut				
34.	1194	8	Nut				
35*.	1680	1	Bolt				

* Item not shown

Cab Door	8.1
Hi - Flow	8.2
Cab Windows.....	8.3
Numerical Index	8.4
Quick Reference Maintenance List	8.5



ITEM	PART	QTY	DESCRIPTION
1.	U-1626	1	Cab door, dealer installed
2.	961028	1	Door frame
3.	37243	1	Glass, tempered safety
4.	15750	9'	Weatherstrip, glass setting
5.	821	12'	Bulb seal
6.	31744	6	Screw
7.	32600	1	Plate, latch
8.	953780	1	Handle, locking
9.	15885	2	Bolt
10.	2811	2	Lock washer
11.	6467	2	Nut
12.	1650	5	Flat washer
13.	5170	4	Bolt
14.	6645	5	Lock nut
15.	39891	1	Latch, LH
16.	37597	1	Wiper blade
17.	37596	1	Wiper arm
18.	37275	1	Wiper motor
19.	958336	2	Cab door bushing (hinge)
20.	25298	1	Ball, handle
21.	961063	1	Bar, slider
22.	1643	1	Flat washer
23.	1630	1	Cotter pin
24.	2663	1	Bolt
25.	44366	1	Door stop
*	35489	A / R	Sealant, glass setting



ITEM	PART	QTY	DESCRIPTION
1.	962353	1	Hose, Hi- Flow return line
2.	961325	1	Hose inside to front bulkhead
3.	962409	1	Hose to rear bulkhead
4.	7465	1	Lock nut
5.	43203	1	Hi-Flow Valve
6.	1193	1	Bolt
7.	961321	1	Hose Mount
8.	1193	1	Bolt
9.	33850	2	90deg Elbow
10.	43541	1	Filter
11.	46032	1	Hi- Flow Pump
12.	44617	1	Control Valve
13.	961747	1	Hose, gear pump to valve.
14.	962348	1	Hose, from the control valve to hydraulic oil tank
15.	963238	1	Hose, from the Hi-Flow valve to the filter
16.	963239	1	Hose, from the Hi-Flow valve to the Hi-Flow pump
17.	962349	1	Hose, from the Hi-Flow valve to the control valve
18.	962267	1	Hose, from the filter to the cooler
19.	14866	3	90deg. Elbow
20.	29318	1	Dust Cap
21.	29320	1	Dust Cap
22.	29318	1	Dust Cap
23.	43540	1	Filter Head
24.	42767	1	Tandem Pump
25.	962266	1	Hose, tank to gear pump
26.	19232	4	90deg. Elbow
27.	963238	1	Hose, from the Hi-Flow pump to the hydraulic oil tank
28.	1642	1	Lock washer
29.	1643	1	Flat washer

ITEM	PART	QTY	DESCRIPTION
*	U-1628	1	Cab window kit, safety glass, aluminum frame
1.	39905	1	RH glass in frame
2.	39906	1	LH glass in frame
3.	40955	2	Glass, fixed pane
4.	40956	2	Glass, slider pane
5.	39869	2	Knob
6.	39868	2	Nylon washer
7.	40908	2	Bolt for knob
8.	39907	2	Nylon insulator
9.	40909	2	Nylon nut
10.	44345	26	Screw, stainless
11.	44237	26	Flange nut, stainless

PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION	
261	1.1	7124	4.8	19232	5.1	22935	8.4	26172	1.7	29438	5.1
261	1.7	7667	4.8	19233	5.1	23012	2.1	26184	2.2	29476	3.4
407	1.1	8104	5.1	19242	5.1	23194	1.1	26188	3.2	29477	3.4
407	7.3	8704	3.3	19949	1.1	23301	1. 11	26202	4.1	29856	4.5
698	4.1	8705	3.3	20232	4.1	23307	1. 11	26315	3.1	29861	4.5
810	4.3	10494	4.4a	20235	1.5	23308	1. 11	26315	3.2	29861	4.7
821	1.7	10683	8.4	20901	8.4	23309	1. 11	26509	3.2	29862	4.5
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1191	4.8b	14797	1.1	21128	4.8b	23312	1. 11	26549	4. 10	29896	4.5
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1457	4.1	14866	4.3	22071	3.4	23325	1. 11	28979	3.4	29982	2.1
1457	5.1	14866	5.1	22071	5.3	23326	1. 11	28994	5.1	30026	4.5
1458	1.1	14877	3.2	22073	5.3	23385	4.3	29029	3.2	30044	2.1
1458	1.3	14898	4.1	22075	5.3	23388	5.1	29064	1. 12	30044	2.2
1461	5.1	15433	4.1	22089	5.3	23452	1.5	29065	2.1	30236	4.5
1651	4.8b	15750	1.5	22105	5.3	23747	5.1	29066	2.1	30266	4.3
1803	4.8	15750	8.1	22106	5.3	23750	5.1	29093	3.4	30266	4.8b
1870	4.8b	15756	8.1	22107	5.3	23861	1.1	29211	1. 12	30470	3.4
3189	1.2	15880	2.1	22108	5.3	24624	1.1	29345	4. 10	30474	3.4
4557	8.4	15931	1.5	22109	5.3	24914	2.2	29346	4. 10	30485	3.4
4842	1.2	15931	1.7	22110	5.3	24914	3.4	29361	3.2	30487	3.4
4842	3.4	16989	1.2	22111	5.3	24980	4.3	29368	4. 10	30549	4.1
5803	2.1	17144	4.1	22112	5.3	25011	4.3	29369	4. 10	30641	4.7
5832	1. 12	17340	3.3	22115	5.3	25011	5.1	29370	4. 10	30800	3.4
5832	3.2	17633	1.5	22117	5.3	25104	3.3	29371	4. 10	31044	3.3
5893	2.2	18274	6.2	22119	5.3	25298	8.1	29372	4. 10	31045	3.3
6268	7.1	18313	1.1	22120	5.3	25618	3.2	29373	4. 10	31262	3.1
6268	7.3	19226	4.4b	22121	5.3	25762	1.7	29375	4. 10	31341	5.1
6297	4.7	19226	4.6a	22280	4.8	25842	3.4	29377	4. 10	31488	1.2
6377	3.1	19226	4.6b	22448	3.2	25843	3.4	29378	4. 10	31489	1.2
6470	8.4	19226	4.8	22470	1. 10	25845	3.3	29379	4. 10	32070	1.7
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6804	1. 12	19232	4.4b	22734	3.3	26041	3.3	29437	4.8	32478	4.1
7019	1. 12	19232	4.8	22819	6.2	26042	3.2	29438	4.4b	32511	4.7

PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION	
32600	8.1	35886	1. 11	38516	1.9	39557	1.7	41291	1.3	41988	4.3
32665	8.4	35935	1. 11	38516	6.2	39840	6.2	41318	1.3	41989	4.3
32906	3.3	36092	1. 12	38553	2.4	39868	8.2	41391	1.3	42047	2.3
32907	3.3	36094	1. 12	38553	3.4	39869	8.2	41392	1.3	42061	4.1
32920	4.1	36273	4.6b	38560	1.5	39904	1.9	41427	6.1	42064	6.2
33153	4.7	36336	4.4a	38561	1.5	39905	8.2	41544	1. 11	42065	6.1
33155	4.7	36336	4.4b	38577	6.1	39906	8.2	41545	1. 11	42070	1.9
33831	4.4a	36422	4.1	38587	4.2	39907	8.2	41546	1. 11	42076	4.1
33831	4.4b	36598	1. 11	38600	1.9	39921	6.2	41547	1. 11	42089	4.8
33831	4.6a	36619	1. 12	38752	6.2	39972	6.1	41548	1. 11	42091	4.6a
33831	4.6b	36626	4.6b	38761	6.1	40183	1.7	41576	1. 11	42091	4.6b
33831	4.8	36733	4.1	38768	4.1	40320	2.4	41607	6.1	42106	1. 11
33850	4.2	36841	1. 11	38794	6.1	40323	1. 10	41611	6.1	42107	1. 11
33850	8.2	37010	1. 11	38797	1.6	40337	1.6	41612	6.1	42108	1. 11
33859	1. 11	37059	1. 11	38798	6.1	40581	1.9	41619	1.7	42110	1. 11
33868	4.7	37060	1. 11	38799	6.1	40614	1.3	41619	1.9	42158	4.3
33882	4.3	37070	4.1	38800	6.1	40737	1.5	41627	1.1	42207	2.1
34181	5.3	37104	6.2	38834	2.4	40908	8.2	41627	6.2	42208	2.1
34182	5.3	37184	2.2	38839	1.8	40909	8.2	41704	1.7	42227	1.7
34288	8.4	37184	3.4	38840	1.8	40918	6.1	41708	1.8	42284	1.6
34903	4.1	37206	4.1	38870	6.2	40918	6.2	41709	1.8	42321	4.1
34919	4.1	37206	6.2	38871	6.2	40921	1.1	41710	1.8	42322	4.4a
34919	7.3	37208	4.1	39025	1.5	40922	1.1	41711	1.8	42322	4.4b
35062	8.4	37243	8.1	39121	6.2	40955	8.2	41712	1.8	42325	5.1
35243	4.2	37275	8.1	39122	6.2	40956	8.2	41713	1.8	42350	1.3
35243	8.4	37596	8.1	39123	6.1	40960	2.1	41714	1.8	42407	6.2
35395	8.4	37597	8.1	39124	6.1	40960	6.2	41738	1. 11	42407	7.1
35426	1.2	37808	1.5	39126	1.5	40970	1. 11	41752	1.8	42422	7.1
35451	4.5	37854	2.1	39191	1. 11	41024	1.1	41753	1.8	42433	6.1
35489	8.1	38043	1. 11	39192	1. 11	41042	2.1	41778	1. 11	42433	6.2
35530	7.3	38044	1. 11	39196	1. 11	41042	2.4	41791	1.7	42434	6.1
35844	2.2	38284	1. 12	39199	1. 10	41045	1. 11	41791	6.2	42434	6.2
35845	8.4	38303	4.6a	39537	1.5	41065	1. 11	41853	3.4	42435	6.1
35883	2.1	38412	2.1	39540	6.2	41066	1. 11	41889	6.1	42435	6.2
35884	2.1	38412	6.2	39546	1.6	41123	1. 11	41890	6.1	42442	6.1
35885	1. 11	38472	4.4a	39556	1.7	41290	1.3	41956	1.2	42442	6.2

NUMERICAL INDEX

8.4

PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION	
42443	2.1	42918	5.2	43636	1.3	44299	4.9	44760	4.3	44908	7.1
42443	2.4	42931	1.9	43636	1.4	44299	2.2	44761	7.1	44908	8.4
42447	1.8	42953	5.3	43637	1.4	44311	2.1	44762	2.2	44909	7.1
42448	1.8	42954	5.3	43721	4.9	44345	8.2	44789	2.2	44909	8.4
42453	5.3	42955	5.3	43722	4.9	44347	2.1	44797	1.7	44910	7.1
42491	1.6	43004	1.7	43723	4.9	44348	2.1	44800	1.7	44915	1.8
42556	4.2	43005	1.7	43724	4.9	44349	2.1	44805	2.1	44935	4.9
42561	1.1	43033	4.4a	43728	4.9	44357	3.1	44807	3.1	44936	4.9
42561	7.3	43033	4.4b	43771	4.5	44358	3.1	44808	3.1	44937	4.9
42561	8.4	43164	5.2	43776	1. 11	44366	8.1	44812	7.3	44956	7.3
42571	1.1	43165	5.2	43780	1. 11	44384	2.1	44815	7.3	44960	6.1
42572	1.1	43166	5.2	43791	1. 11	44385	2.1	44816	7.1	44961	6.1
42573	1.1	43167	5.2	43808	2.1	44435	7.1	44820	7.1	46116	4.8b
42574	1.1	43168	5.2	43812	4.9	44436	7.1	44821	7.1	46118	4.8b
42607	5.3	43169	5.2	43814	4.9	44473	4.9	44822	7.1	46165	4.8b
42608	5.3	43170	5.2	43840	2.3	44503	2.1	44823	2.1	46227	1.2
42609	5.3	43401	1.4	43850	1.8	44520	1.7	44824	2.1	46377	Page 6
42610	5.3	43495	4.3	43853	1.8	44613	1. 11	44828	7.1	761760	4.6b
42698	8.4	43497	1.4	43854	1.8	44614	1. 11	44850	7.3	952766	3.1
42709	4.3	43536	4.6a	43860	1.8	44615	1. 11	44851	7.3	953603	5.1
42737	7.3	43536	4.6b	43861	1.8	44616	1. 11	44852	7.3	953780	8.1
42767	5.2	43536	4.8	43866	1.8	44617	4.9	44876	1. 11	954434	3.3
42795	5.2	43539	4.2	43867	1.8	44674	4.8	44877	1.7	956137	2.1
42804	6.2	43540	4.2	43903	4.4a	44675	4.8	44894	6.2	956429	3.3
42805	2.1	43541	4.2	43903	4.4b	44706	7.3	44895	6.2	956659	3.4
42805	6.2	43541	8.4	43903	4.6a	44709	7.2	44896	6.2	956660	3.4
42812	5.2	43570	4.6a	43903	4.6b	44710	7.3	44897	7.3	956792	1. 12
42813	5.2	43570	4.6b	43903	4.8	44711	4.3	44898	7.2	957259	5.1
42829	1. 12	43571	4.8	44022	1. 12	44712	1.8	44899	7.3	957785	3.2
42844	1. 12	43592	4.5	44023	1. 12	44713	1.8	44900	7.3	958336	8.1
42845	1. 12	43631	1.4	44024	1. 12	44714	1.8	44901	7.3	958674	3.2
42850	4.7	43632	4.5	44026	1. 12	44744	7.3	44901	8.4	958722	1. 10
42851	4.7	43633	1.4	44237	8.2	44745	7.3	44902	7.3	958724	1. 10
42904	8.4	43634	1.3	44270	3.3	44746	7.3	44903	6.2	959073	2.1
42907	4.6b	43634	1.4	44279	5.2	44747	6.2	44904	7.3	959832	4. 10
42908	5.2	43635	1.4	44281	5.2	44756	7.1	44905	3.3	960475	3.2

PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION		PART / SECTION	
960497	2.4	961770	4.4a	962754	1.5						
960498	2.4	961770	4.4b	962761	2.1						
960680	1.9	961774	4.4a	962776	4.6b						
960680	6.2	961774	4.4b	962855	2.1						
960681	1.9	961776	4.4b	962882	7.3						
960681	6.2	961777	4.6b	962884	2.1						
960836	2.1	961778	4.6b	962885	7.3						
960837	2.1	961833	1.3	962886	7.3						
960851	1. 10	961834	1.3	962887	7.3						
961028	8.1	961904	4.3	962888	7.3						
961063	8.1	961928	2.1	962890	2.1						
961299	1. 12	961937	4.4b	962891	7.1						
961300	1. 12	961937	4.6b	962903	4.4a						
961499	4.6a	961963	6.2	962903	4.4b						
961499	4.6b	962266	4.1	962904	4.4a						
961510	1. 10	962266	5.1	962904	4.4b						
961596	3.4	962267	4.2	963056	2.2						
961614	1.2	962267	4.3	963057	2.2						
961696	1.3	962268	4.1	963058	2.2						
961742	2.4	962268	4.3	963059	2.2						
961747	5.1	962269	4.3	963062	1.7						
961748	4.2	962269	5.1	963077	2.3						
961754	5.1	962270	4.2	963082	1.2						
961755	5.1	962270	4.3	963106	1.7						
961756	4.1	962271	4.2	963107	7.2						
961756	5.1	962271	5.1	963293	4.8b						
961760	4.6a	962313	1.4	U-1557	1. 12						
961760	4.8	962503	3.4	U-1626	8.1						
961761	4.6a	962520	5.1	U-1628	8.2						
961761	4.6b	962586	1. 12	U-1906	1. 12						
961761	4.8	962587	1. 12	U-2227	1. 12						
961762	5.1	962675	3.1	U-2231	1. 12						
961763	5.1	962676	3.1	U-2326	1.3						
961765	5.1	962725	2.1	U-994	1. 12						
961766	4.4a	962726	2.1								
961767	4.6b	962753	4.6a								

1.	Engine oil filter element	44901
2.	Engine fuel filter element	42561
3.	Hydraulic oil filter element	35243 (2 required)
4.	Hi- flow oil filter element	43541
5.	Primary air filter element	44908
6.	Safety air filter element	44909
7.	Hydraulic / engine oil 10W30	6470
8.	Hydraulic oil 20W50	22935
9.	Lubriplate lithium grease	35062
10.	Silicone	20901
11.	Pipe thread sealant	34288
12.	Multi purpose grease	4557
13.	Chain tightener sealant	32665
14.	Neversieze	10837
15.	454 Loctite	42904
16.	480 Loctite	35845
17.	419 Loctite	35395
18.	Gasket adhesive	10683
19.	Engine oil 5W40 API CF, semi synthetic . . .	42698 (20 litre container)