



Electronic Service Manuals

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2011 N. High St. -- Lansing, Michigan -- 48906

Fax: (517) 484-9836

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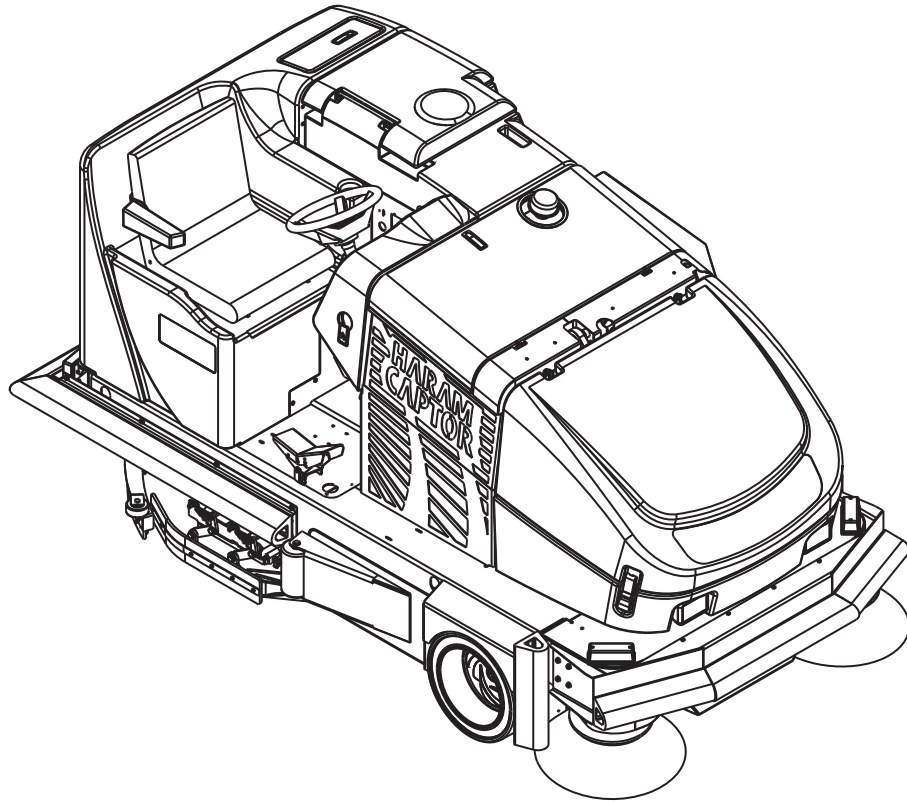
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Haram Captor™ CR 1400



HYDRAULIC SYSTEM PARTS LIST

Nilfisk MODELS 56307000(OBS), 56307001(2007 certified engine)



**Nilfisk
Advance**

setting standards

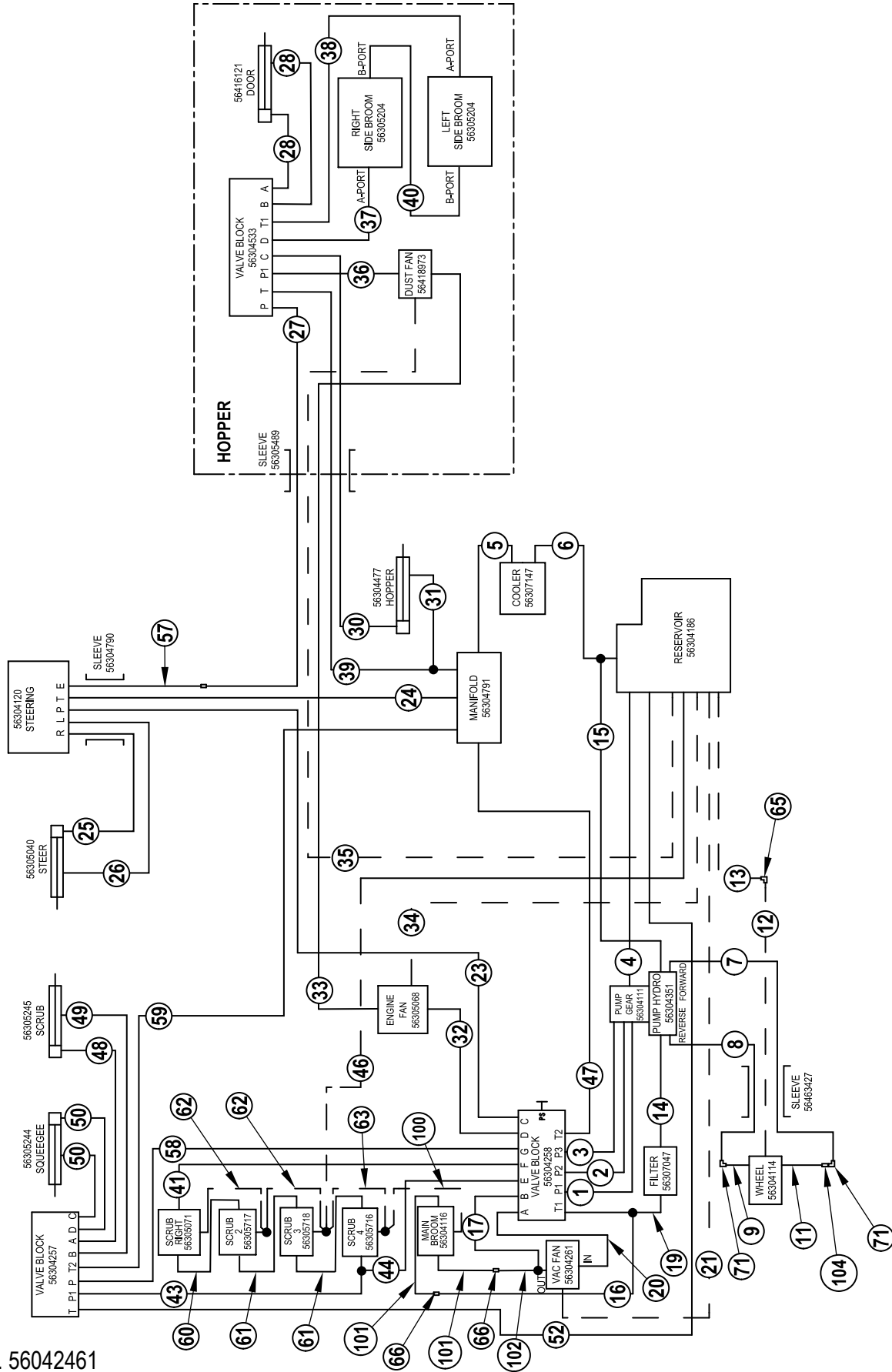
8/04 revised 5/08 FORM NO. 56042461

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WHEN ORDERING PARTS

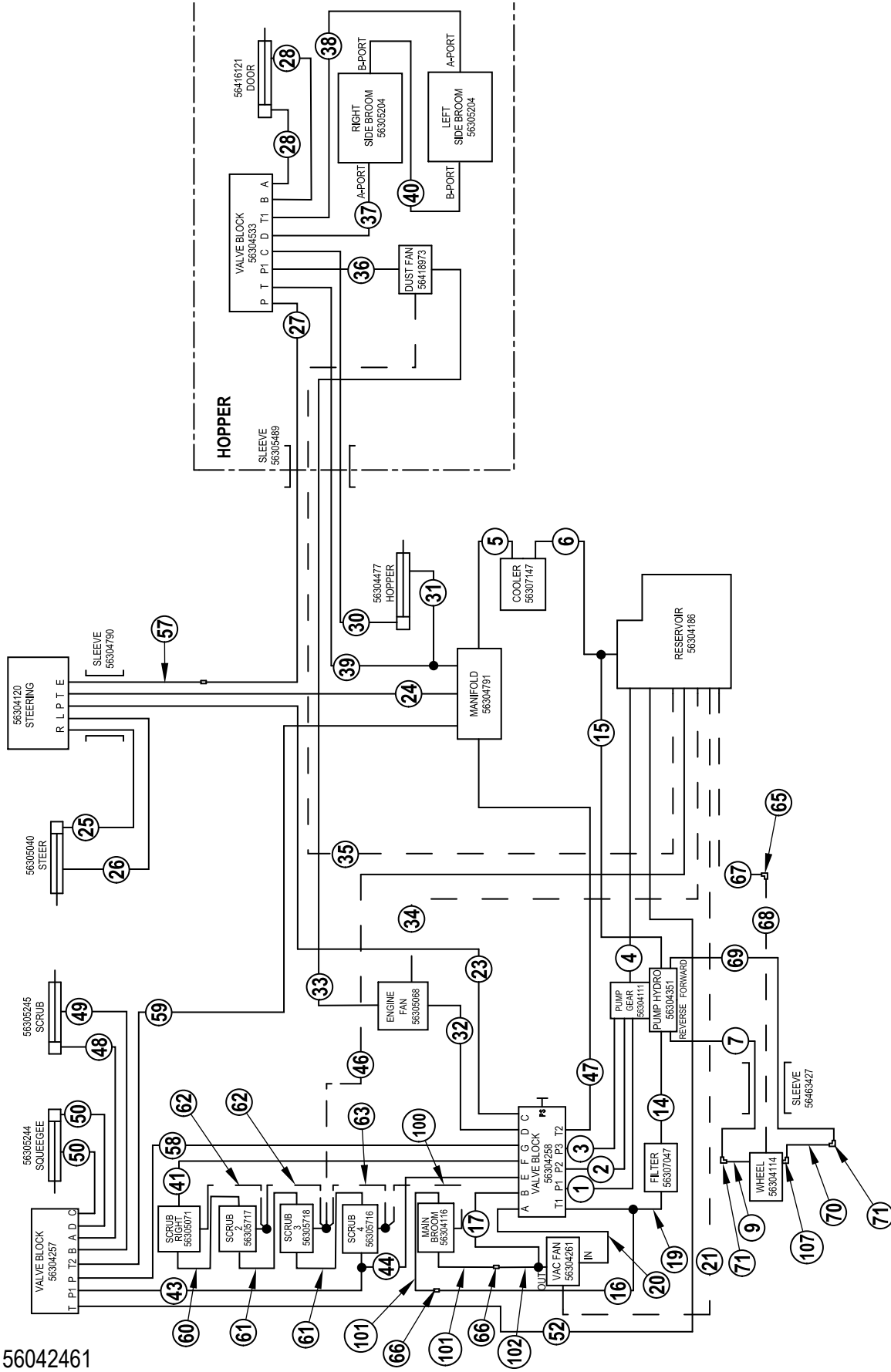
- * Use the 8 digit numbers from the "Ref. No." columns in this parts list.
- * Specify the model and serial number of the machine.
- * Use the space below to record the model and serial number for future reference.

Model _____ Serial No. _____



04-8	HYDRAULIC SCHEMATIC (before SN 1873835)		
05-8	Haram Captor™ CR 1400 Hydraulic Systems		3

Item	Ref. No.	Qty	Description	Item	Ref. No.	Qty	Description
1	56307109	1	Hose Assy	36	56305164	1	Hose Assy
2	56307110	1	Hose Assy	37	56305165	1	Hose Assy
3	56307111	1	Hose Assy	38	56305166	1	Hose Assy
4	56305133	1	Hose Assy	39	56305167	1	Hose Assy
5	56307139	1	Hose Assy	40	56305168	1	Hose Assy
6	56307138	1	Hose Assy	41	56307128	1	Hose Assy
7	56307112	1	Hose Assy	43	56307132	1	Hose Assy
8	56307113	1	Hose Assy	44	56305172	1	Hose Assy
9	56307114	1	Hose Assy	46	56305174	1	Hose Assy
11	56307115	1	Hose Assy	47	56305175	1	Hose Assy
12	56305140	1	Hose Assy	48	56305176	1	Hose Assy
13	56305141	1	Hose Assy	49	56305177	1	Hose Assy
14	56305142	1	Hose Assy	50	56305178	2	Hose Assy
15	56305143	1	Hose Assy	52	56305180	1	Hose Assy
16	56305144	1	Hose Assy	57	56307124	1	Hose Assy
17	56307116	1	Hose Assy	58	56307133	1	Hose Assy
19	56305147	1	Hose Assy	59	56305533	1	Hose Assy
20	56307119	1	Hose Assy	60	56307129	1	Hose Assy
21	56305149	1	Hose Assy	61	56307130	2	Hose Assy
23	56307120	1	Hose Assy	62	56305675	2	Hose Assy
24	56305152	1	Hose Assy	63	56305676	1	Hose Assy
25	56307121	1	Hose Assy	65	56900401	1	Elbow, 90 Bulkhead Union
26	56307122	1	Hose Assy	66	56419064	2	Locknut, Bulkhead
27	56307123	1	Hose Assy	67	56305024	8	P-Clamp (not shown)
28	56305156	2	Hose Assy	68	56409463	1	P-Clamp (not shown)
30	56307125	1	Hose Assy	69	56496276	1	P-Clamp (not shown)
31	56305159	1	Hose Assy	71	56900404	2	Elbow, 90 Bulkhead Union
32	56307126	1	Hose Assy	100	56305925	1	Hose Assy
33	56307127	1	Hose Assy	101	56305754	2	Hose Assy
34	56305162	1	Hose Assy	102	56305936	1	Hose Assy
35	56305163	1	Hose Assy	104	56900304	1	Elbow, 90 w/Nut



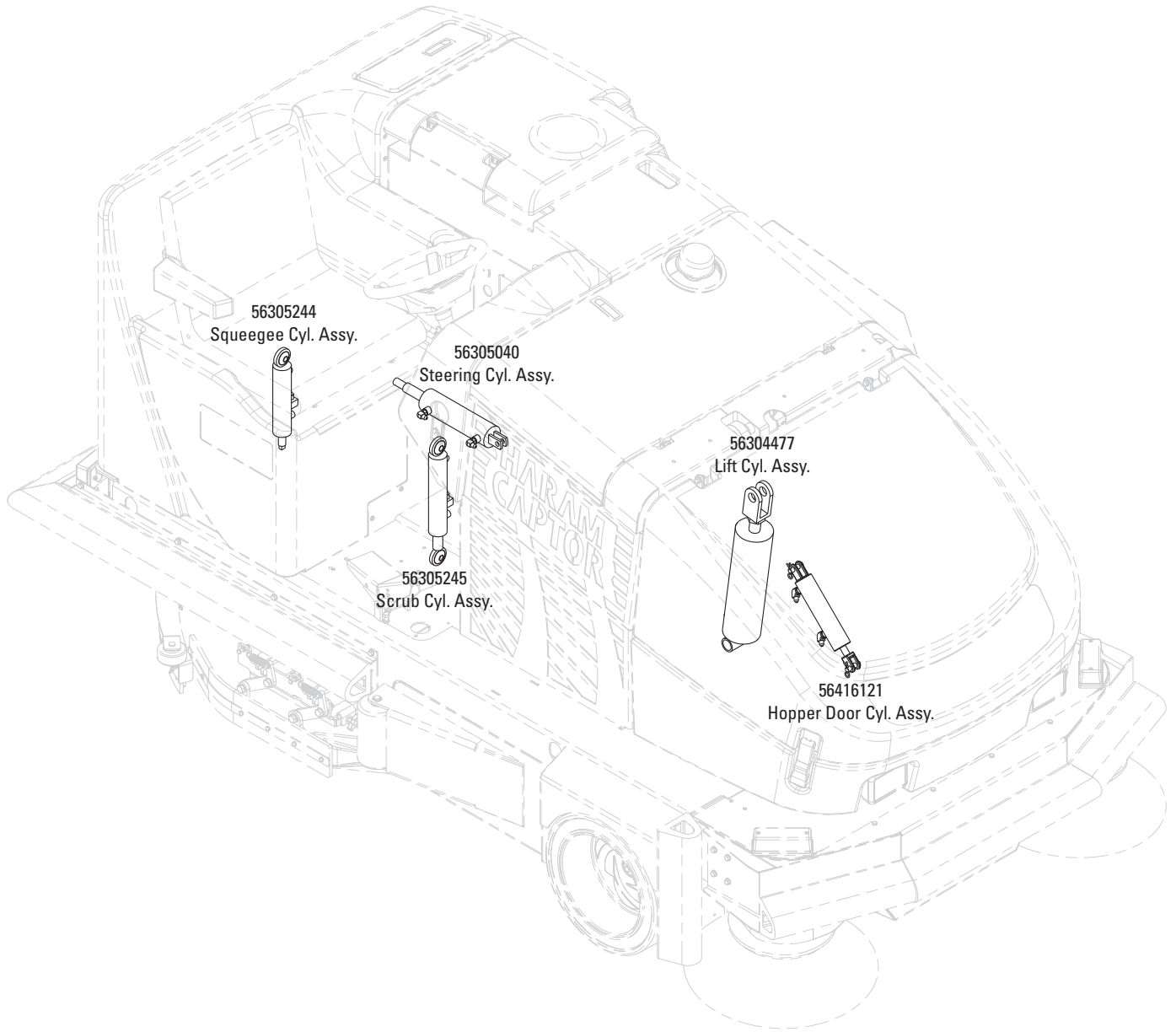
04-8

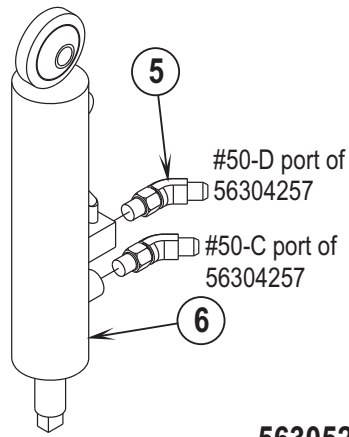
HYDRAULIC SCHEMATIC (after SN 1873835)

07-11

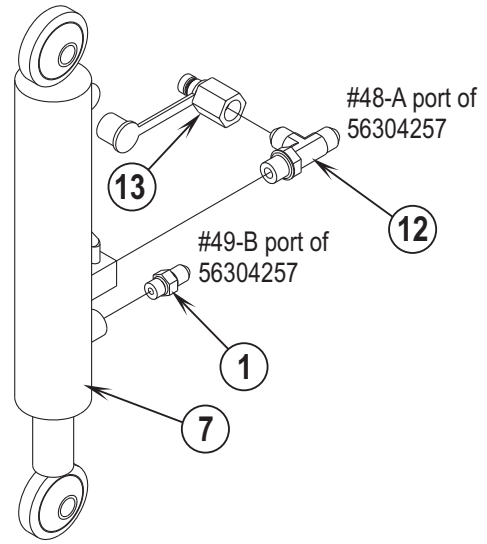
Haram Captor™ CR 1400 Hydraulic Systems**5**

Item	Ref. No.	Qty	Description	Item	Ref. No.	Qty	Description
1	56307109	1	Hose Assy	40	56305168	1	Hose Assy
2	56307110	1	Hose Assy	41	56307128	1	Hose Assy
3	56307111	1	Hose Assy	43	56307132	1	Hose Assy
4	56305133	1	Hose Assy	44	56305172	1	Hose Assy
5	56307139	1	Hose Assy	46	56305174	1	Hose Assy
6	56307138	1	Hose Assy	47	56305175	1	Hose Assy
7	56307112	1	Hose Assy	48	56305176	1	Hose Assy
9	56307114	1	Hose Assy	49	56305177	1	Hose Assy
14	56305142	1	Hose Assy	50	56305178	2	Hose Assy
15	56305143	1	Hose Assy	52	56305180	1	Hose Assy
16	56305144	1	Hose Assy	57	56307124	1	Hose Assy
17	56307116	1	Hose Assy	58	56307133	1	Hose Assy
19	56305147	1	Hose Assy	59	56305533	1	Hose Assy
20	56307119	1	Hose Assy	60	56307129	1	Hose Assy
21	56305149	1	Hose Assy	61	56307130	2	Hose Assy
23	56307120	1	Hose Assy	62	56305675	2	Hose Assy
24	56305152	1	Hose Assy	63	56305676	1	Hose Assy
25	56307121	1	Hose Assy	65	56900401	1	Elbow, 90 Bulkhead Union
26	56307122	1	Hose Assy	66	56419064	2	Locknut, Bulkhead
27	56307123	1	Hose Assy	67	56306005	1	Hose Assy
28	56305156	2	Hose Assy	68	56306006	1	Hose Assy
30	56307125	1	Hose Assy	69	56307197	1	Hose Assy
31	56305159	1	Hose Assy	70	56307196	1	Hose Assy
32	56307126	1	Hose Assy	71	56900404	2	Elbow, 90 Bulkhead Union
33	56307127	1	Hose Assy	100	56305925	1	Hose Assy
34	56305162	1	Hose Assy	101	56307118	2	Hose Assy
35	56305163	1	Hose Assy	102	56307117	1	Hose Assy
36	56305164	1	Hose Assy	104	56305024	8	P-Clamp
37	56305165	1	Hose Assy	105	56409463	1	P-Clamp
38	56305166	1	Hose Assy	106	56496276	1	P-Clamp
39	56305167	1	Hose Assy	107	56900304	1	Elbow, 90 W/Nut

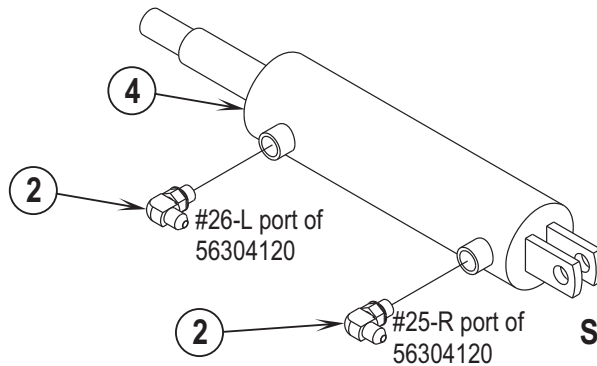




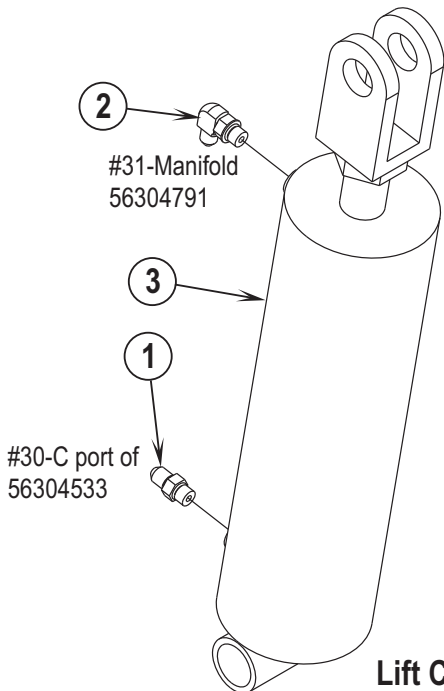
56305244
Squeegee Cylinder Assy



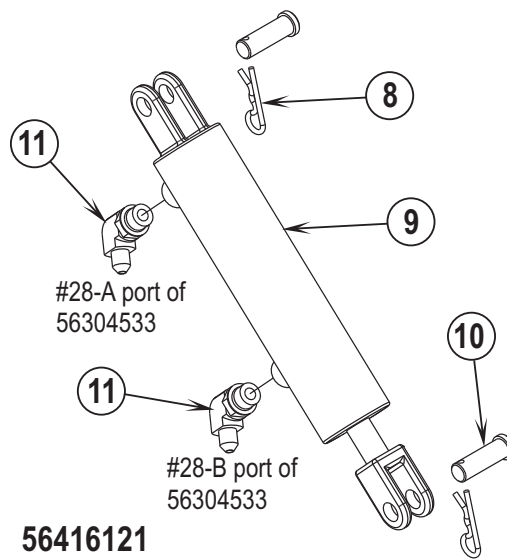
56305245
Scrub Cylinder Assy



56305040
Steering Cylinder Assy



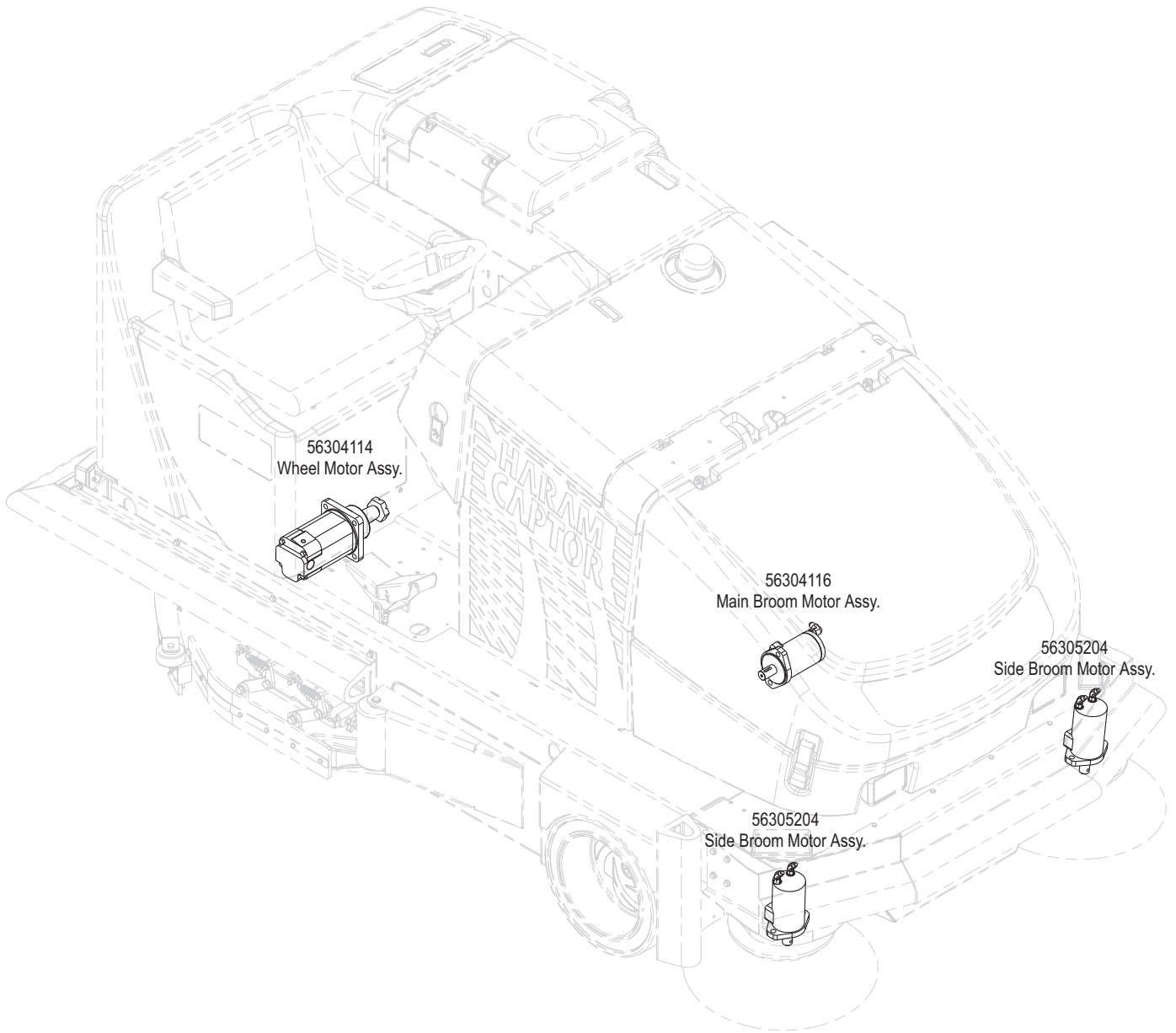
56304477
Lift Cylinder Assy

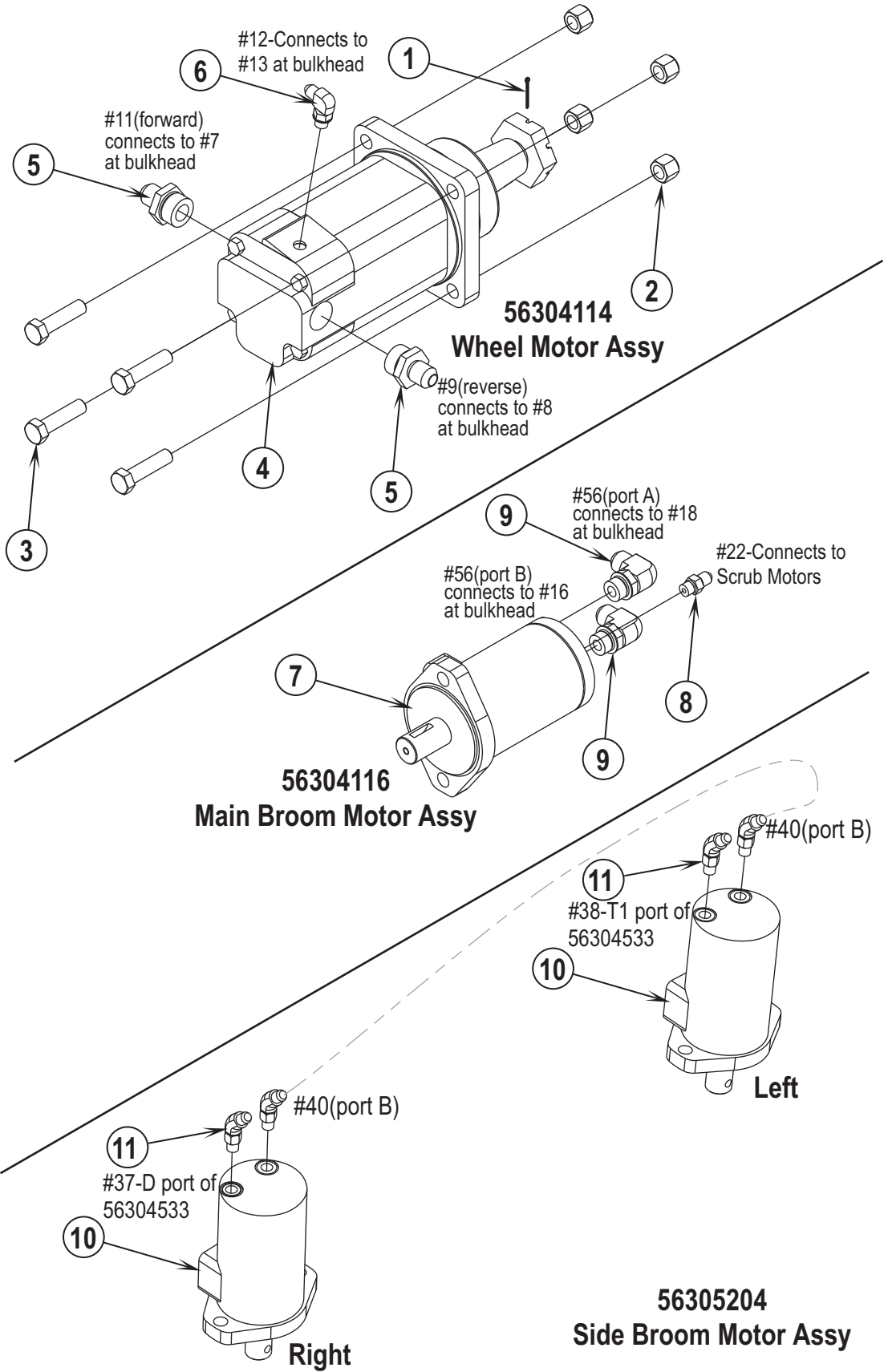


56416121
Hopper Door Cylinder Assy

Item	Ref. No.	Qty	Description
	56304477	1	Lift Cylinder Assy
	56305040	1	Steering Cylinder Assy
	56305244	1	Squeegee Cylinder Assy
	56305245	1	Scrub Cylinder Assy
	56416121	1	Hopper Door Cylinder Assy
1	56900001	2	Connector, O-Ring
2	56900101	3	Elbow, 90 O-Ring
3	56304478	1	Cylinder, Hopper (Hopper Lift)
4	56304933	1	Cylinder, Hydraulic 2 x 6 (Steering)
5	56900151	2	Elbow, 45 O-Ring W/Nut
6	56304588	1	Cylinder, Hydraulic 1.5 x 6 (Squeegee)
7	56304603	1	Cylinder, Hydraulic 1.5 x 6 (Scrub Deck)
8	56002529	2	Pin, Cotter 1/8 x 1
9	56416202	1	Cylinder, Hydraulic (Hopper Door)
10	56486733	2	Pin
11	56900110	2	Elbow, 90 O-Ring
12	56900201	1	Tee, Rub O-Ring
13	56900906	1	Nipple, Test
			Steering Cylinder Assy Replacement Parts (56305040)
*	56488723	1	Seal Kit
			Squeegee Cylinder Assy Replacement Parts (56305244)
*	56305702	1	Seal Kit
			Scrub Cylinder Assy Replacement Parts (56305245)
*	56305703	1	Seal Kit
			Lift Cylinder Assy Replacement Parts (56304477)
*	56305704	1	Seal Kit

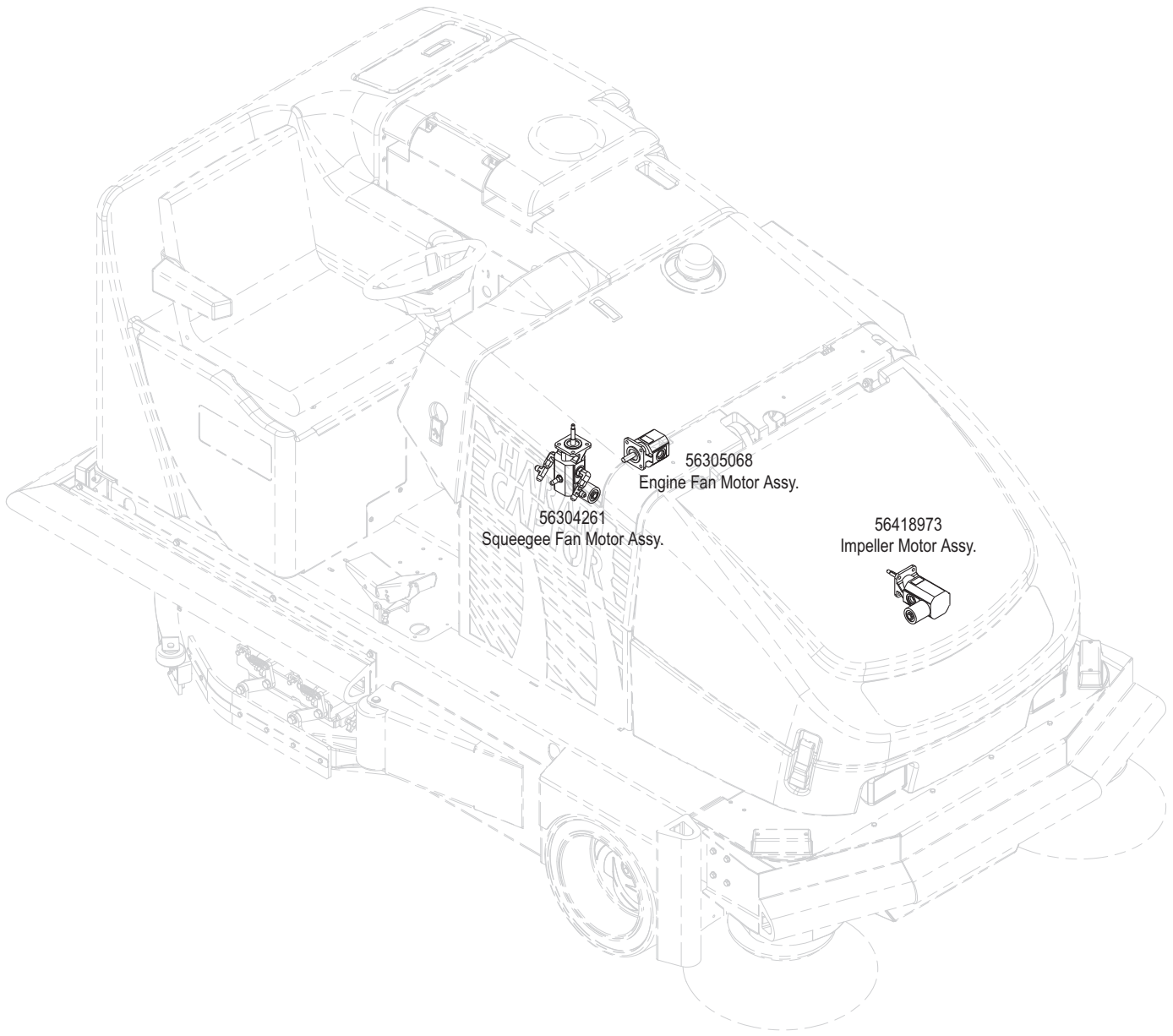
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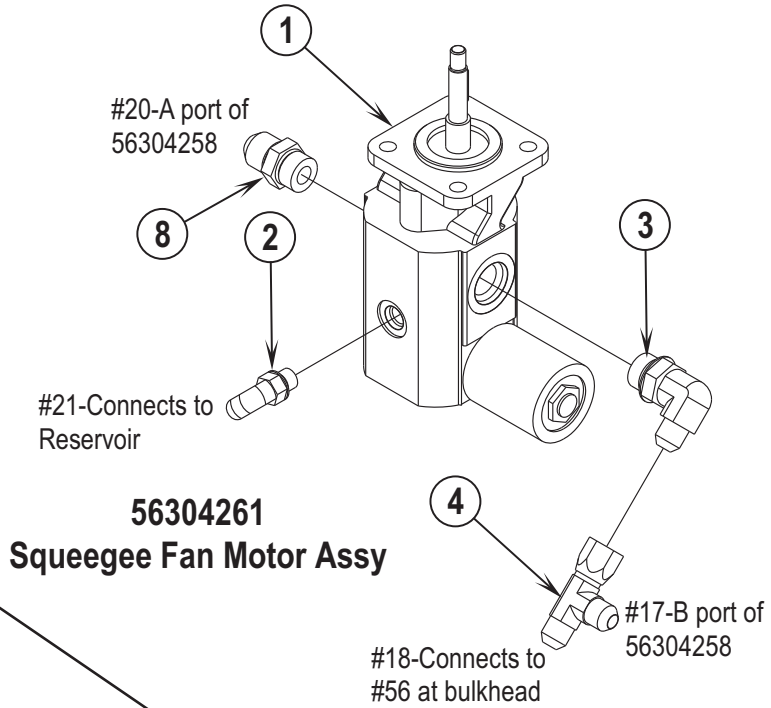




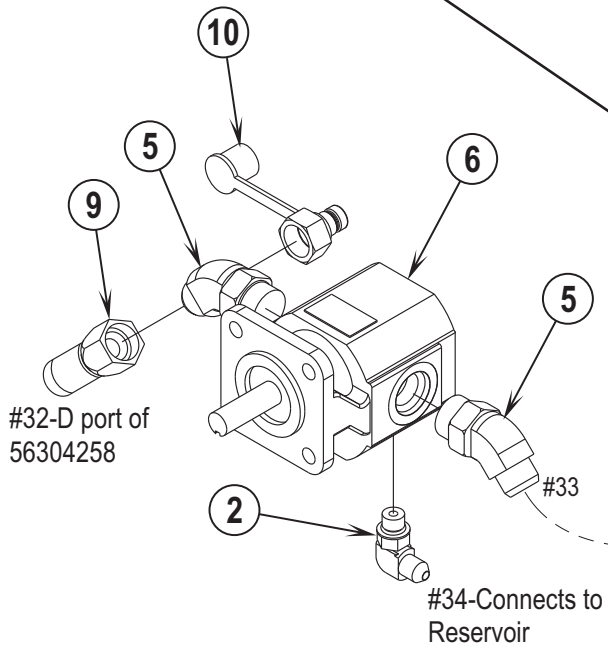
Item	Ref. No.	Qty	Description
	56304114	1	Wheel Motor Assy
	56304116	1	Main Broom Motor Assy
	56305204	2	Side Broom Motor Assy
1	56002181	1	Pin Cotter, 1/8 x 1/2
2	56002770	4	Nut, Hex Nyl Loc 1/2-13
3	56002983	4	Scr, Hex Hd 1/2-13 x 2.00
4	56304115	1	Wheel Motor
5	56900016	2	Connector, O-Ring
6	56900101	1	Elbow, 90 O-Ring
7	56304117	1	Motor, Hyd. (Main Broom)
8	56900001	1	Connector, O-Ring
9	56900112	2	Elbow, 90 O-Ring
10	56418976	2	Motor, Side Broom
11	56900162	4	Elbow, 45 O-Ring W/Nut
			Wheel Motor Replacement Parts (56304114)
*	56305358	1	Seal Kit
			Main Broom Motor Replacement Parts (56304117)
*	56479577	1	Seal Kit
*	56307149	1	Viton Seal Kit
			Side Broom Motor Replacement Parts (56418976)
*	56479577	1	Seal Kit (1 required per motor)
*	56307149	1	Viton Seal Kit (1 required per motor)

* = Not Shown

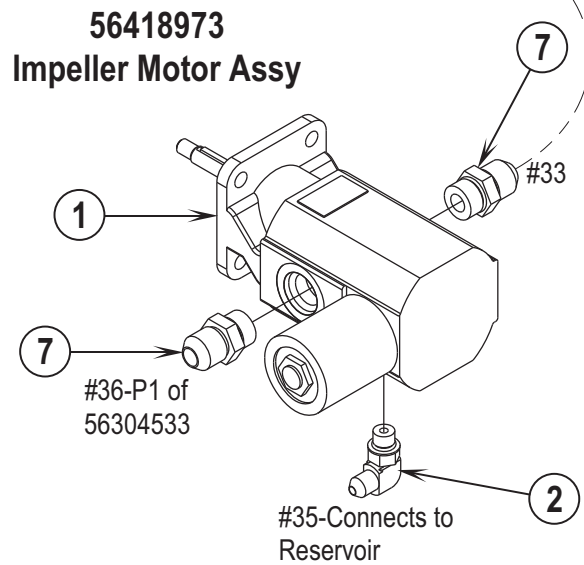




56304261
Squeeze Fan Motor Assy



56305068
Engine Fan Motor Assy



56418973
Impeller Motor Assy

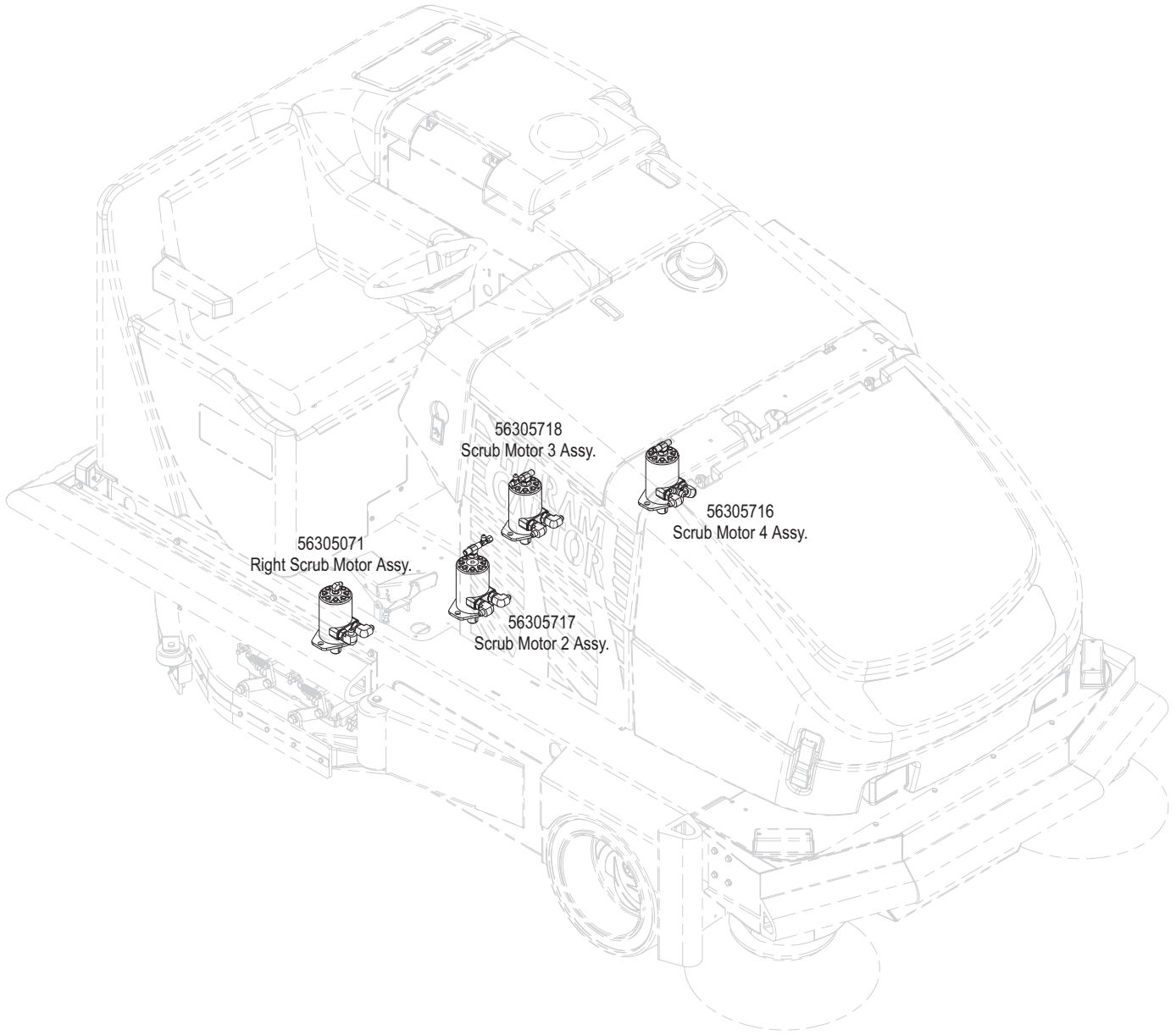
Item	Ref. No.	Qty	Description
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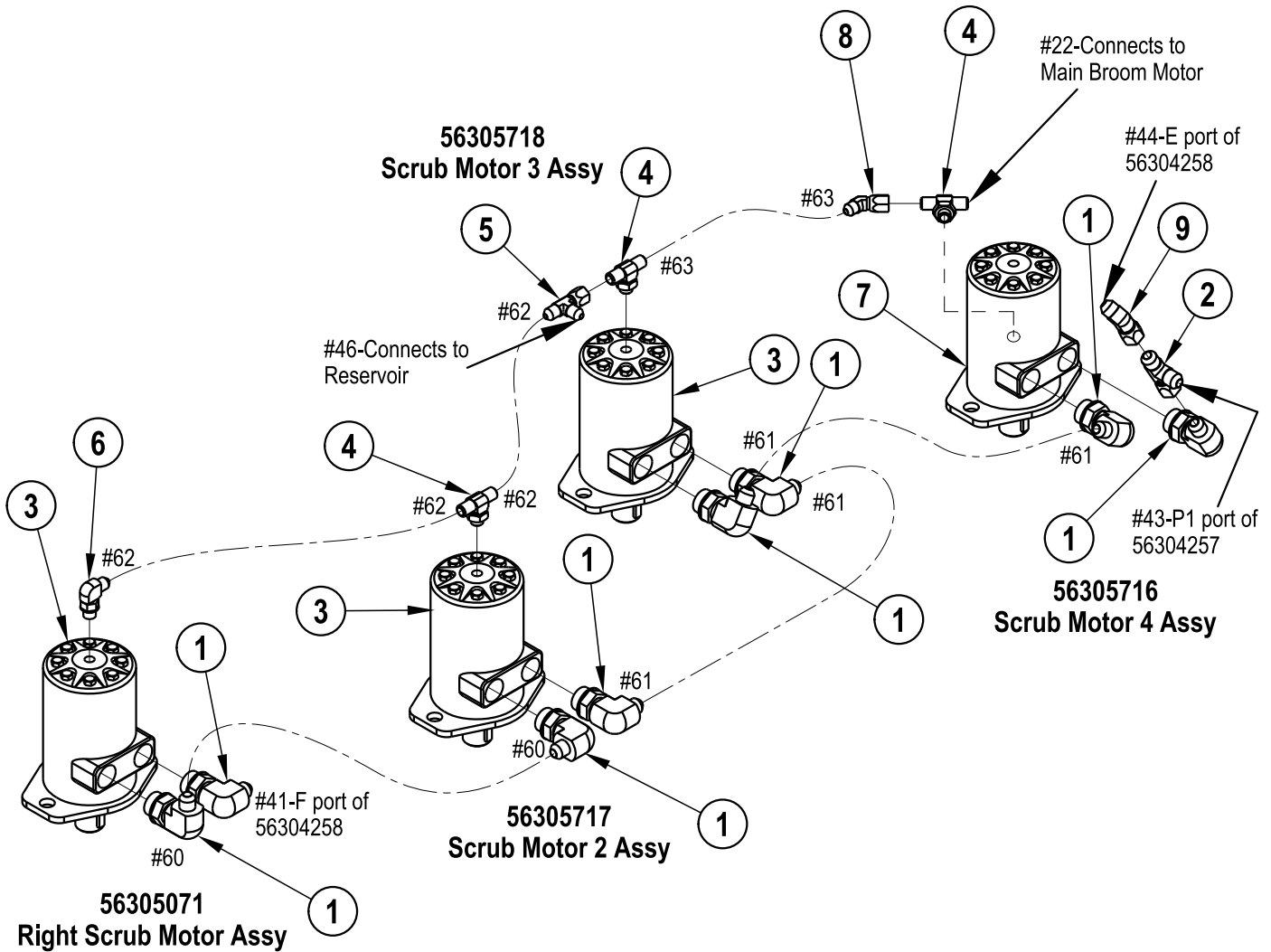
	56304261	1	Squeegee Fan Motor Assy
	56305068	1	Engine Fan Motor Assy
	56418973	1	Impeller Motor Assy
1	56418971	2	Motor, Hydraulic
2	56900101	3	Elbow, 90 O-Ring
3	56900112	1	Elbow, 90 O-Ring
4	56900343	1	Tee, Run W/Nut
5	56900164	2	Elbow, 45 Str.-Thd
6	56304143	1	Motor, Hydraulic
7	56900004	2	Connector, O-Ring
8	56900013	1	Connector, O-Ring
9	56900344	1	Tee, Run W/Nut
10	56418866	1	Coupling, #8 Test Port

Squeegee Fan Motor / Impeller Motor Replacement Parts (56304261 / 56418973)

*	56418823	1	Shaft Seal
*	56419176	1	Solenoid Cartridge
*	56419177	1	Solenoid Coil
*	56419178	1	Seal Kit

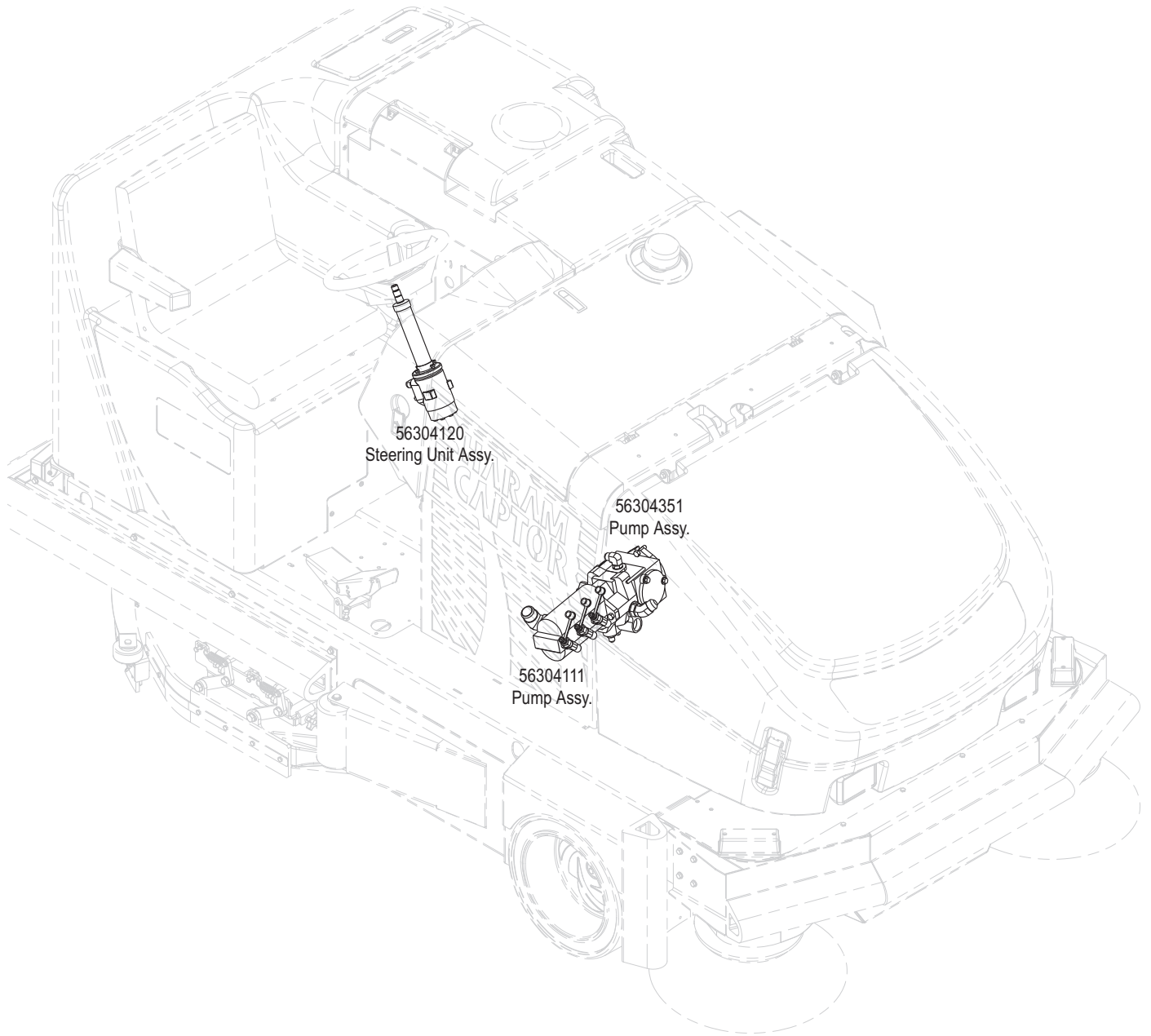
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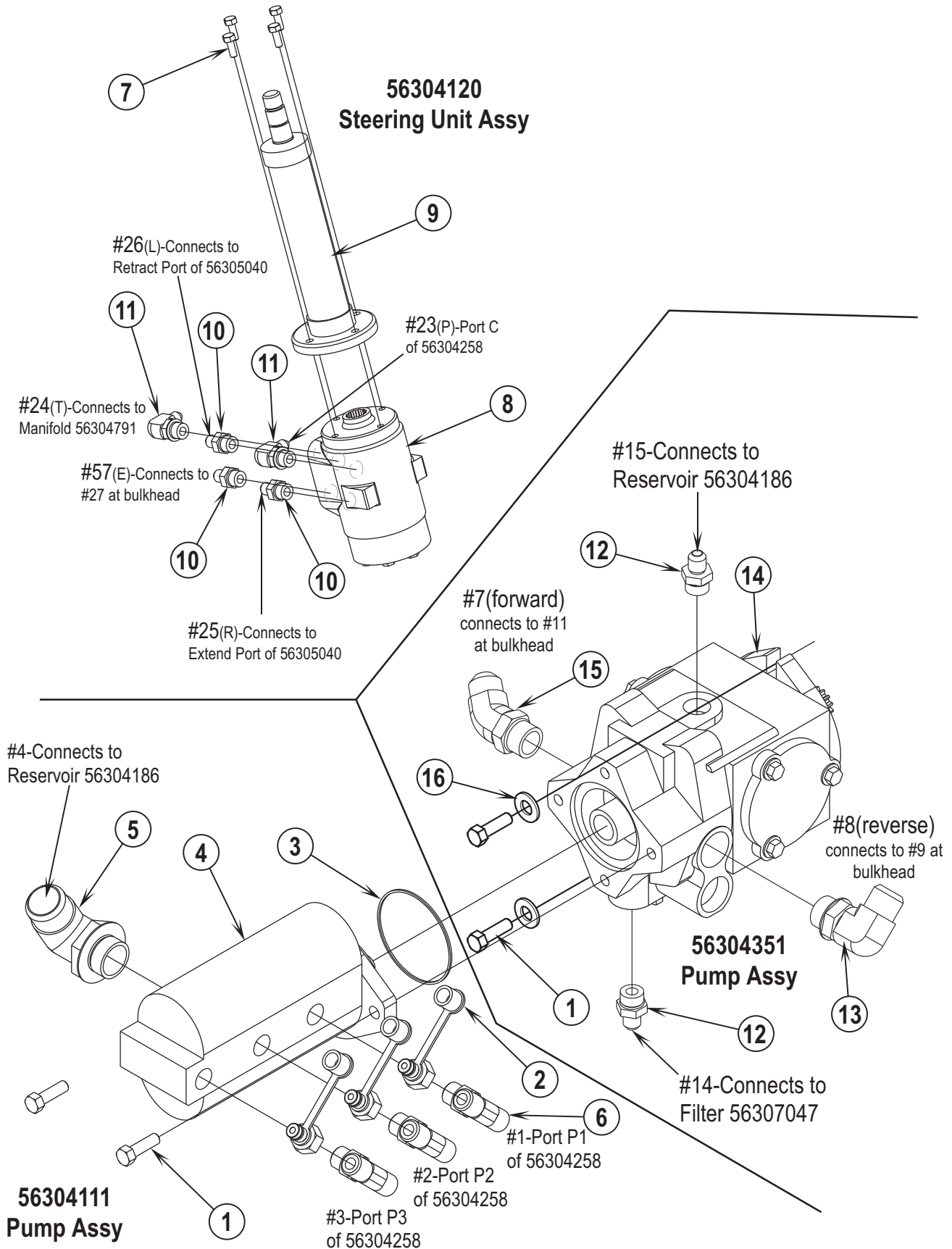




Item	Ref. No.	Qty	Description
	56305716	1	Scrub Motor 4 Assy
	56305718	1	Scrub Motor 3 Assy
	56305717	1	Scrub Motor 2 Assy
	56305071	1	Right Scrub Motor Assy
1	56900113	8	Elbow, 90 O-Ring
2	56900343	1	Tee, Run W/Nut
3	56304811	3	Motor, Hydraulic 4.5
4	56900356	3	Tee, Branch O-Ring
5	56900341	1	Tee, Run W/Nut
6	56900101	1	Elbow, 90 O-Ring
7	56305897	1	Motor, Hydraulic 4.5
8	56900321	1	Elbow, 45 W/Nut
9	56900323	1	Elbow, 45 W/Nut
Scrub Motor Replacement Parts (All motors)			
*	56305357	1	Seal Kit (1 required per motor)
*	56307149	1	Viton Seal Kit (1 required per motor)

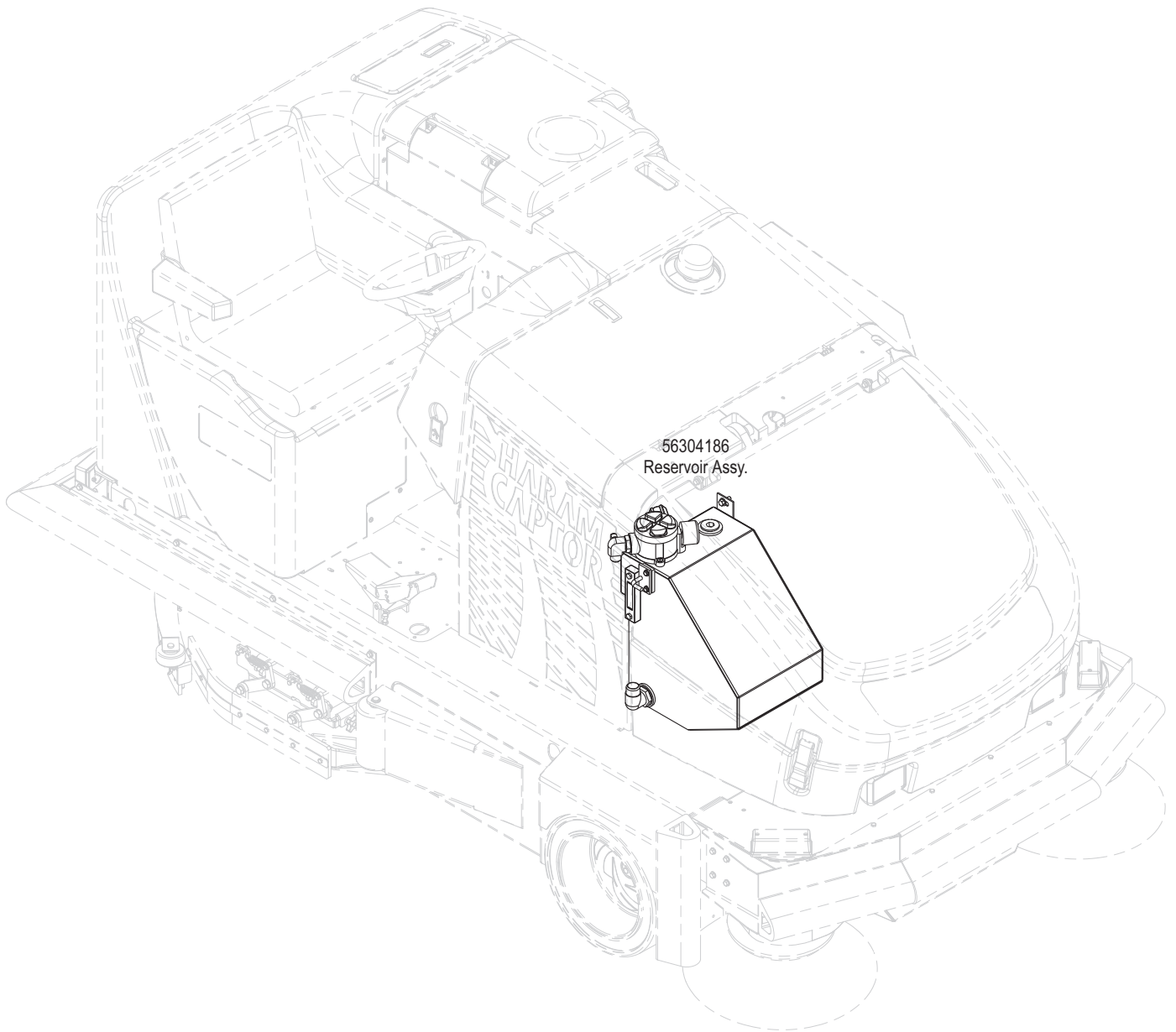
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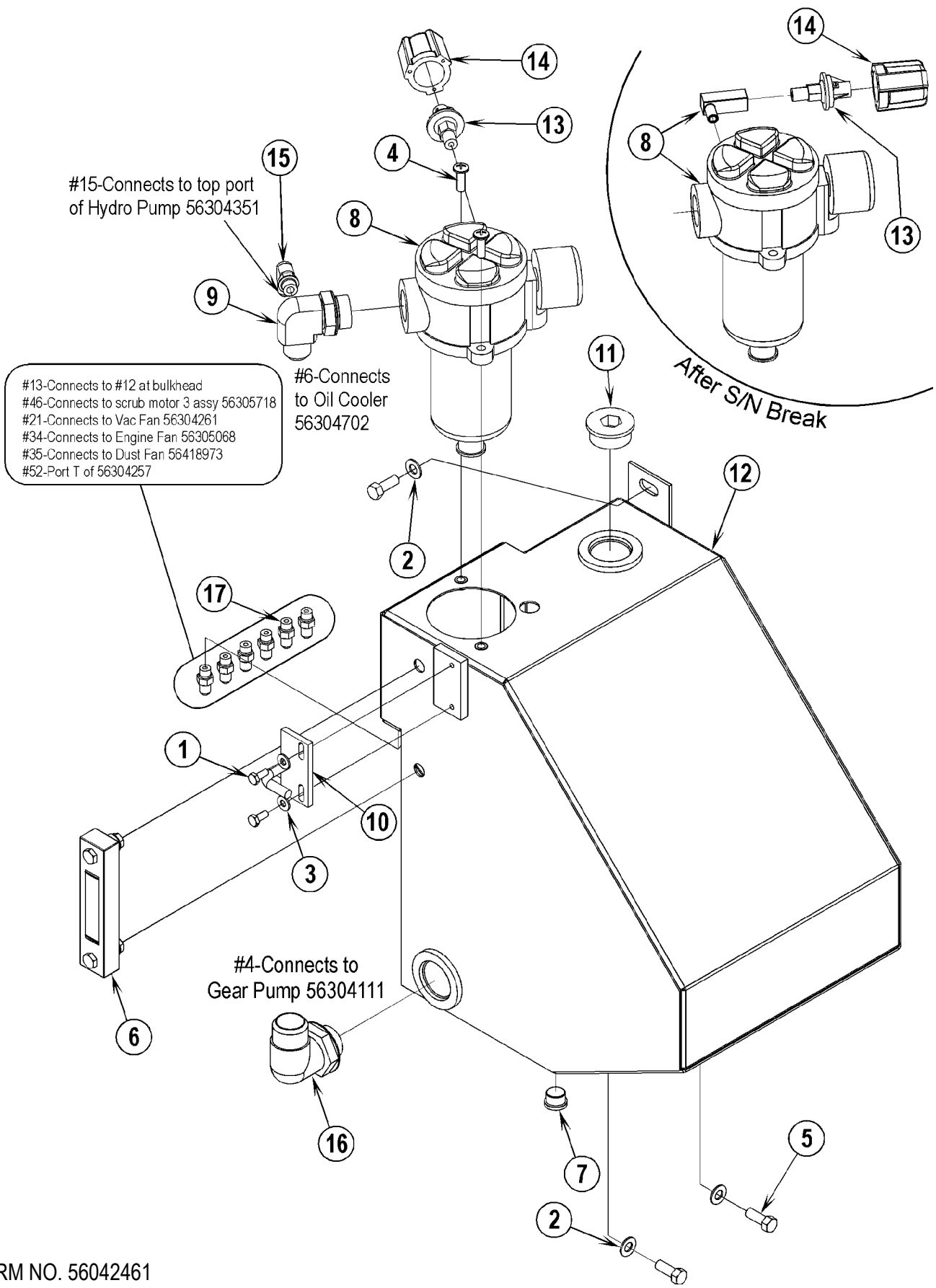




Item	Ref. No.	Qty	Description
	56304111	1	Pump Assy (Gear)
	56304120	1	Steering Unit Assy
	56304351	1	Pump Assy (Hydrostatic)
1	56003029	4	Scr, Hex Hd 3/8-16 x 1.25
2	56418866	3	Coupling, #8 Test Port
3	56488002	1	O-Ring
4	56304113	1	Pump, Triple Gear
5	56900352	1	Elbow, 90 O-Ring
6	56900254	3	Tee, Branch O-Ring
7	56003174	4	Scr, Hex Thd To Hd M6-1.00 x 16mm
8	56304121	1	Steering Control Unit
9	56304527	1	Steering Column
10	56900011	3	Connector, O-Ring
11	56900110	2	Elbow, 90 O-Ring
12	56900013	2	Connector, O-Ring
13	56900106	1	Elbow, 90 O-Ring
14	56304112	1	Pump, Piston
15	56900156	1	Elbow, 45 O-Ring W/Nut
16	56009106	2	Wsh, Flt .453 x 1.000 x .179
			Gear Pump Assy Replacement Parts (56304111)
*	56418987	1	Seal Repair Kit
			Hydrostatic Pump Assy Replacement Parts (56304351)
*	56305360	1	Seal Kit
			Steering Control Unit Replacement Parts (56304121)
*	56419521	1	Seal Kit

* = Not Shown





04-8

HYDRAULIC RESERVOIR ASSEMBLY

07-5

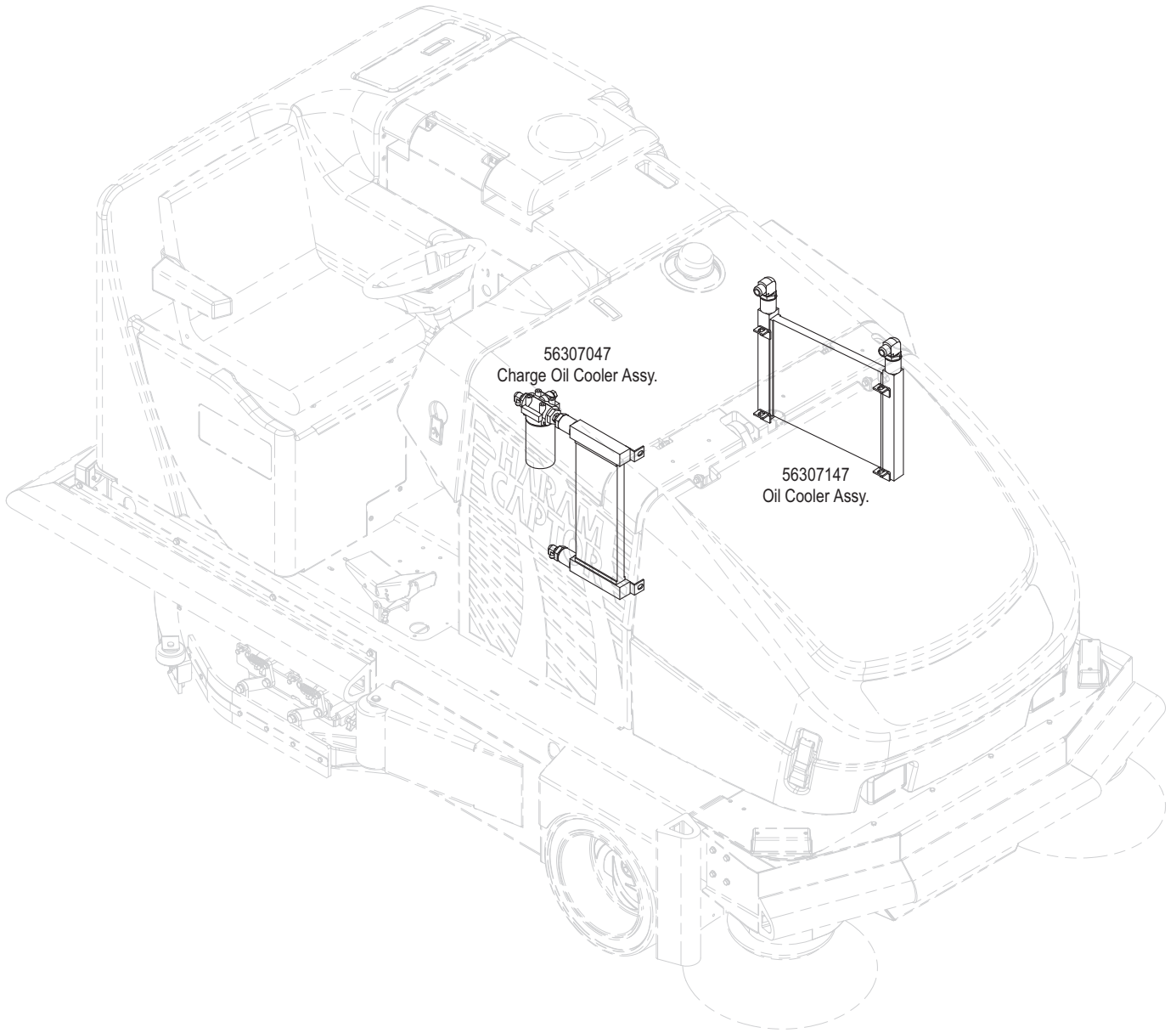
Haram Captor™ CR 1400 Hydraulic Systems

29

Item	Ref. No.	Qty	Description
	56304186	1	Reservoir Assy
1	56001836	2	Scr, Hex Hd 1/4-20 x .62
2	56002063	3	Wsh, Flt SAE 3/8
3	56002098	2	Wsh, Flt SAE 1/4
4	56002943	2	Scr, Pan Phil Loc 5/16-18 x 1.00
5	56002947	3	Scr, Hex Hd Loc 3/8-16 x 1.00
6	56459479	1	Gauge, Level
7	56463403	1	Plug, Hex Soc O-Ring
8	56304878	1	Filter, Hydraulic Return (before SN 1948921) NOTE 1
	56303654	1	Filter, Hydraulic Return (after SN 1948920)
*	56305065	1	Filter Cartridge
*	56305064	1	Vent Filter
*	56305995	1	Oil Filter Seal Kit
9	56305066	1	Elbow, 90 O-Ring
10	56305095	1	Latch Weldment
11	56305228	1	Plug, O-Ring 20
12	56305468	1	Reservoir Weldment
13	56418994	1	Switch, N.O. Pressure (S6)
14	56419241	1	Dust Boot
15	56900103	1	Elbow, 90 O-Ring
16	56900352	1	Elbow, 90 O-Ring
17	56900001	6	Connector, O-Ring

* = Not Shown

NOTE 1: Item 56304878 is obsolete, order 56303654 for replacement.



**56307147
Oil Cooler Assembly**

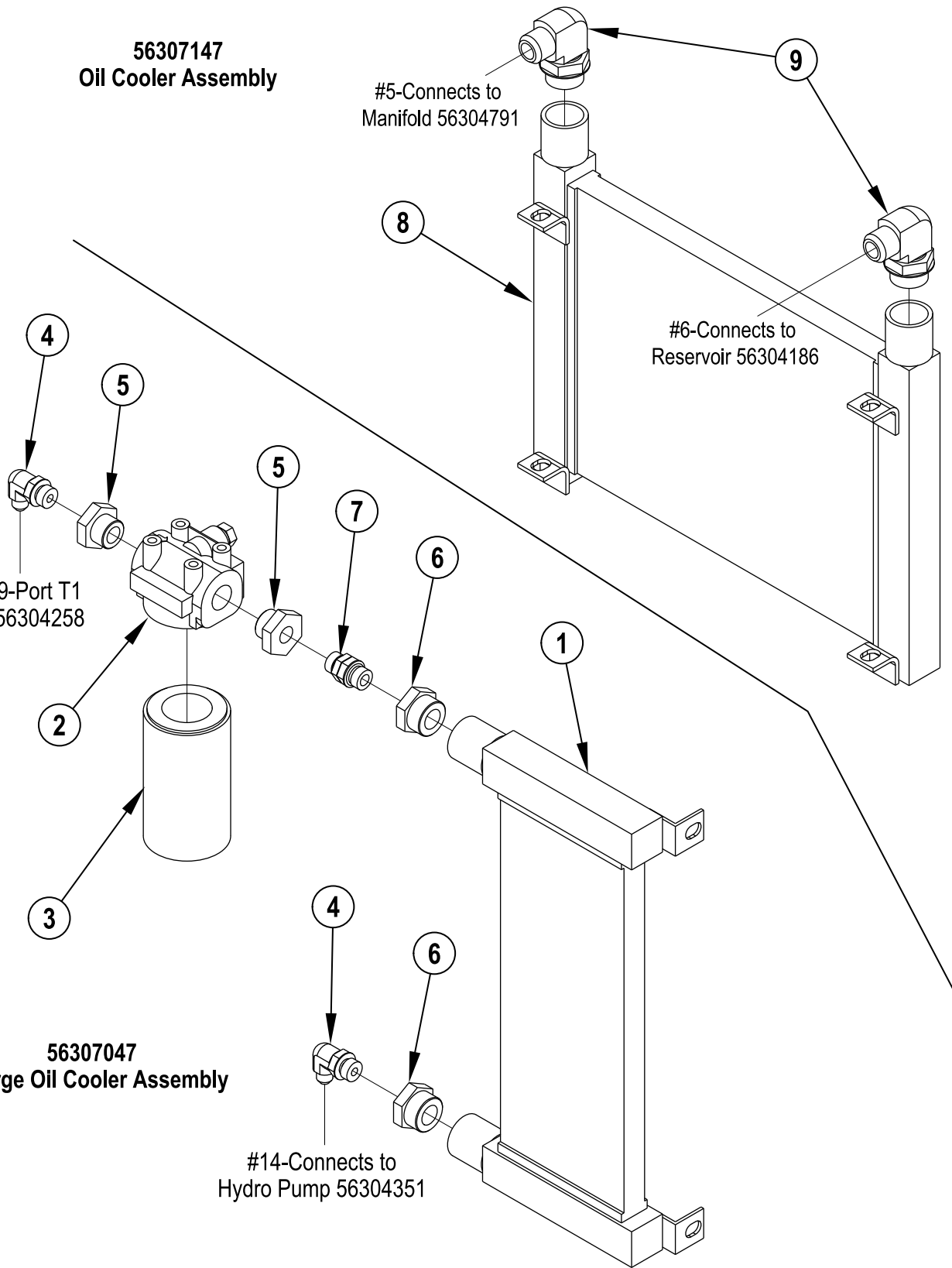
#5-Connects to
Manifold 56304791

#6-Connects to
Reservoir 56304186

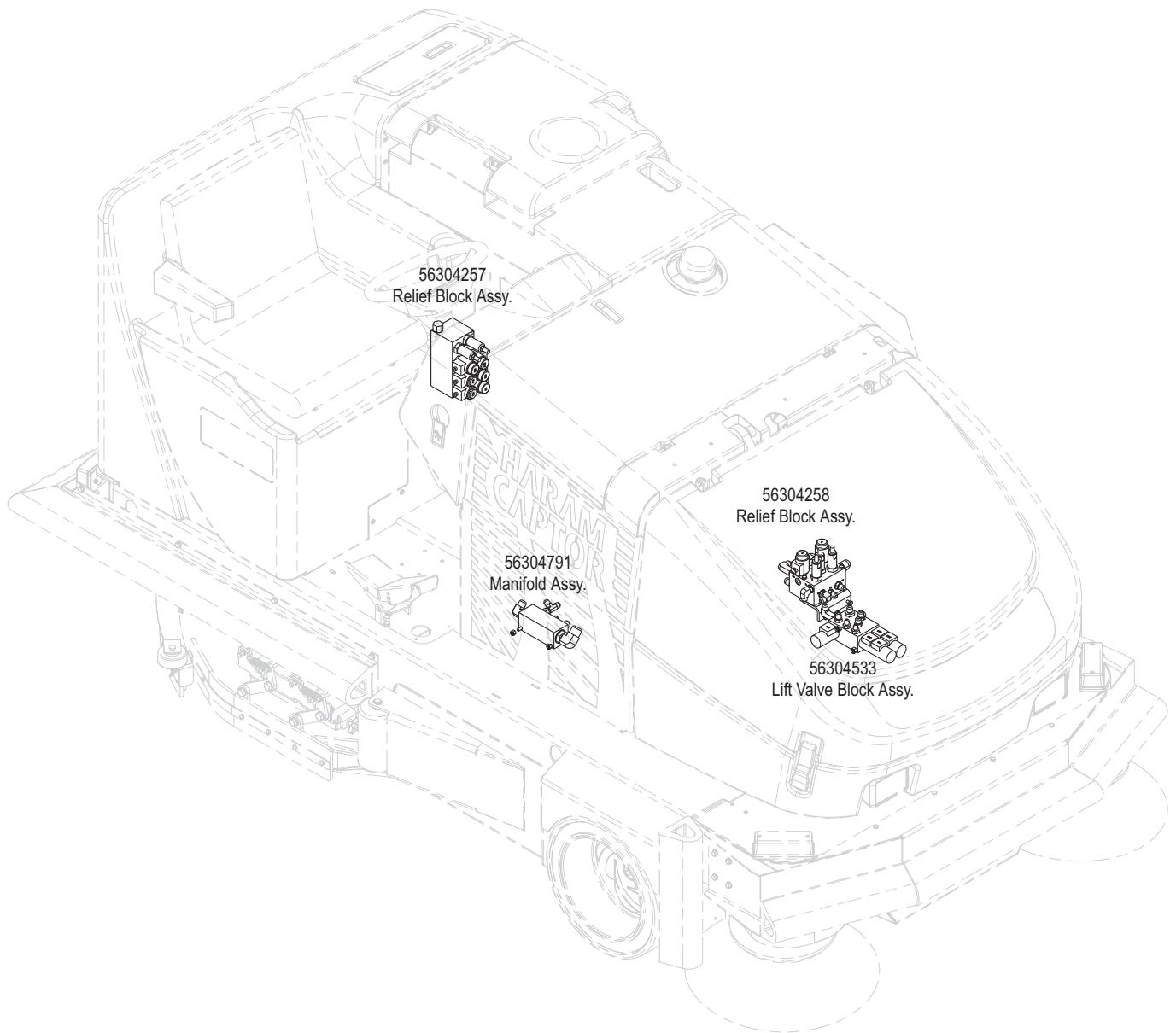
#19-Port T1
of 56304258

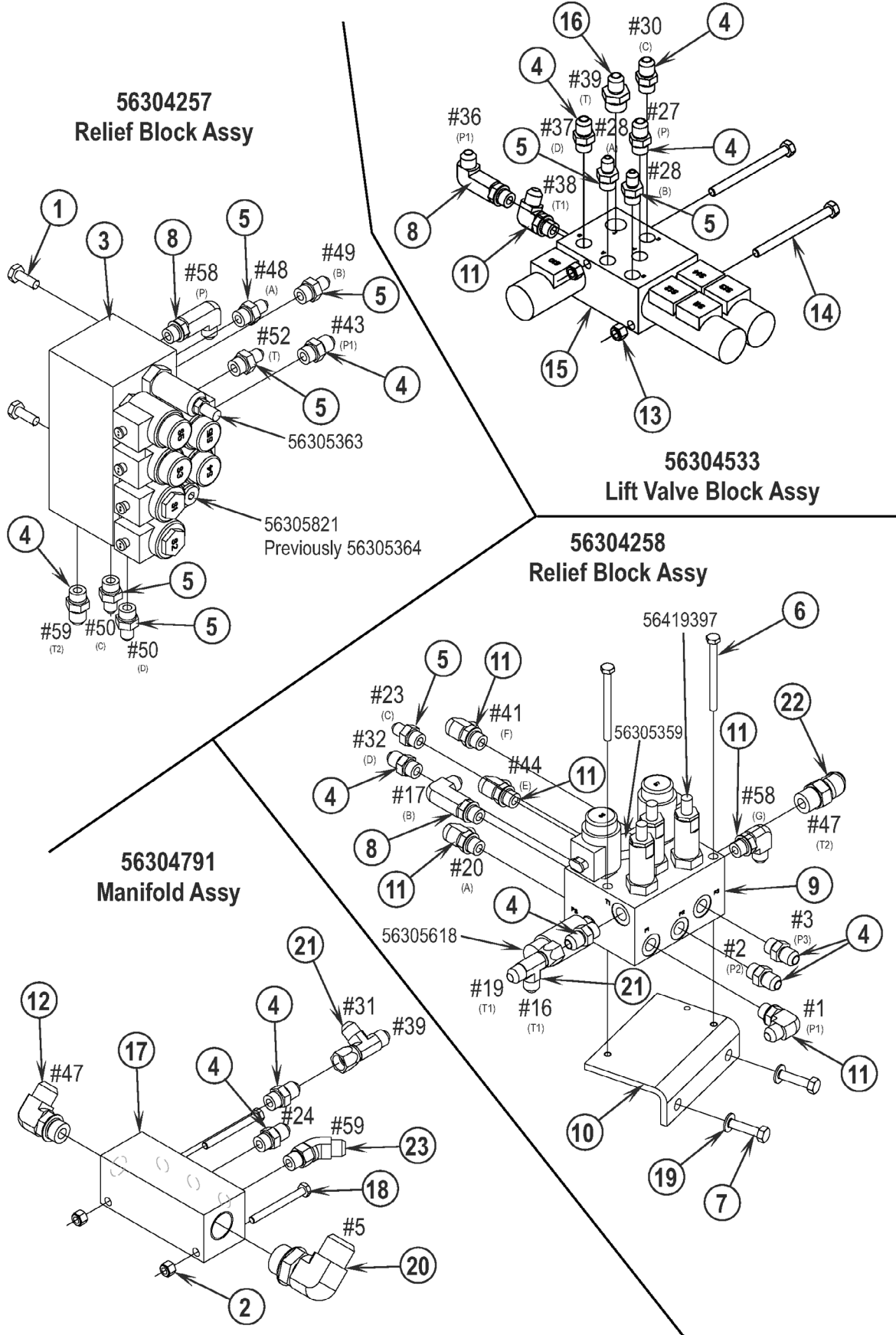
#14-Connects to
Hydro Pump 56304351

**56307047
Charge Oil Cooler Assembly**



Item	Ref. No.	Qty	Description
	56307047	1	Charge Oil Cooler Assembly (items 1-7)
	56307147	1	Oil Cooler Assembly (items 8-9)
1	56307048	1	Charge Oil Cooler
2	56419253	1	Head, Oil Filter
3	56419254	1	Oil Filter Cartridge
4	56900112	2	Elbow, 90 O-Ring
5	56900604	2	Reducer, O-Ring
6	56900606	2	Reducer, O-Ring
7	56900924	1	Union, Straight Thread
8	56418953	1	Cooler, Oil
9	56900117	2	Elbow, 90 O-Ring





Item	Ref. No.	Qty	Description		Relief Block Assy Replacement Parts (56304258)
	56304257	1	Relief Block Assy	*	56305354 A/R Seal Kit, Relief for S6 & S7
	56304258	1	Relief Block Assy	*	56305349 A/R Seal Kit, Cartridge
	56304533	1	Lift Valve Block Assy	*	56305353 A/R Seal Kit, Divider
	56304791	1	Manifold Assy	*	56419397 A/R Relief Cartridge
1	56002037	2	Scr, Hex Hd 5/16-18 x .88	*	56305531 A/R Valve Cartridge for S6 & S7
2	56002708	2	Nut, Hex Nyl Loc 1/4-20	*	56305359 A/R Divider Cartridge
3	56305496	1	Valve Block	*	56304154 A/R Coil W/Connector
4	56900003	11	Connector, O-Ring	*	56305618 1 Switch, Pressure (S4)
5	56900011	8	Connector, O-Ring		* = Not Shown
6	56002603	2	Scr, Hex Hd 1/4-20 x 3.00		# = Revised or new since last update
7	56003321	2	Scr, Hex Hd Loc 5/16-18 x 1.25		
8	56900523	3	Elbow, 90 Long O-Ring		
9	56305427	1	Block, Relief		
10	56306039	1	Bracket		
11	56900103	6	Elbow, 90 O-Ring		
12	56900104	1	Elbow, 90 O-Ring		
13	56002701	2	Nut, Hex Nyl Loc 5/16-18		
14	56003325	2	Scr, Hex Hd 5/16-18 x 3.75		
15	56304532	1	Valve Block, Lift		
16	56900013	1	Connector, O-Ring		
17	56418998	1	Manifold, Hydraulic		
18	56001855	2	Scr, Hex Hd 1/4-20 x 2.50		
19	56001939	2	Wsh, Fit SAE 5/16		
20	56900106	1	Elbow, 90 O-Ring		
21	56900343	2	Tee, Run W/Nut		
22#	56900104	1	Elbow, 45 O-Ring W/Nut		
23	56900153	1	Elbow, 45 O-Ring W/Nut		
			Relief Block Assy Replacement Parts (56304257)		
*	56304154	A/R	Solenoid Coil W/Connector		
*	56305363	A/R	Reducer Cartridge		
*	56305349	A/R	Seal Kit, Reducer		
*	56305821	A/R	Relief Cartridge		
			(This cartridge replaces previous cartridge 56305364. It is a direct replacement)		
*	56305822	A/R	Seal Kit (for Relief Cartridge 56305821, WILL NOT work in old Relief Cartridge 56305364)		
*	56305366	1	Cartridge for S3		
*	56305367	1	Cartridge for S15		
*	56305368	1	Cartridge for S4		
*	56305369	1	Cartridge for S2		
*	56305351	A/R	Cartridge for S1 & S5		
*	56305354	A/R	Seal Kit for S3, S4 & S15		
*	56305349	A/R	Seal Kit for S1 & S5		
*	56305355	1	Seal Kit for S2		
*	56305365	1	Port Check cartridge		
*	56305349	1	Port Check Seal Kit		
*	56305370	1	Check Valve Cartridge		
*	56305354	1	Check Valve Seal		
			Lift Valve Block Assy Replacement Parts (56304533)		
*	56304154	A/R	Coil W/Connector		
*	56305350	2	Cartridge for Double Solenoid		
*	56305351	1	Cartridge for Single Coil		
*	56305348	2	Seal Kit for Double Valve		
*	56305349	1	Seal Kit for Single Valve		

