



Parts Manual



Mantis Headquarters®

1502 E. Walnut
Seguin, Texas 78155
830-379-1480
alamo-industrial.com

¡ATENCIÓN!

LEA EL INSTRUCTIVO



Si No Lee Ingles, Pida
Ayuda a Alguien
Que Se Lo Lea Para Que le
Traduzca Las
Medidas de Seguridad



An Operator's Manual was shipped with the equipment in the Manual Canister. This Operator's Manual is an integral part of the safe operation of this machine and must be maintained with the unit at all times. **READ, UNDERSTAND, and FOLLOW** the Safety and Operation Instructions contained in this manual before operating the equipment. If the Operator's Manual is not with the equipment, contact your dealer or Mantis Headquarters (800-356-6286) to obtain a Free copy before operating the equipment.

Introduction

Health and Safety Statement

The health and safety of employees and guests of Alamo Industrial Headquarters is of primary concern for Mantis Headquarters. Alamo Industrial headquarters strives to comply with OSHA regulations and our own health, environmental, and safety policies. Alamo Industrial Headquarters is committed to the goal of providing an accident free work place by providing a safe and productive work environment. All employees and guests are required to comply with all Alamo Industrial Headquarters safety rules in all of their activities. Employees and guests are required to wear Personal Protective Equipment, which include safety glasses with side shields, hearing protection, safety shoes with metatarsal guards, while in the Alamo Industrial Headquarters facility.

Personal safety requires each person to be aware of potential hazards associated with the work, paying attention, following instructions, not taking risks, and watching for other workers. The help and support of each guest is essential to the success of our safety objectives. Each of us is responsible for our own safety and for the safety of fellow workers and guests. Together we can learn and work safely and enjoy our experiences at Alamo Industrial Headquarters.

Contact Information

Contact Information

To help you assemble your new mower and mount it to your tractor, we provide you with drawings, instructions and general information. When needed, you can get information or clarification from Mantis Customer Service over the phone.

How to Contact Mantis To Place Orders

1. Visit shop.ag-tx.com
2. Call or visit your local Alamo Industrial dealer (Dealer listing can be found on shop.ag-tx.com)
3. Call Mantis Customer Support to speak with your assigned Account Manager*
4. Fax or e-mail your orders to your assigned Customer Support Account Manager*

*Orders placed over the phone, fax, or e-mail are subject to a 5% loss of contracted discount

Customer Support Contact Information

Phone Toll Free 1-800-356-6286

Fax 1-800-322-5041

Operational Hours

8 AM to 5 PM CST.

Monday Through Friday

shop.ag-tx.com

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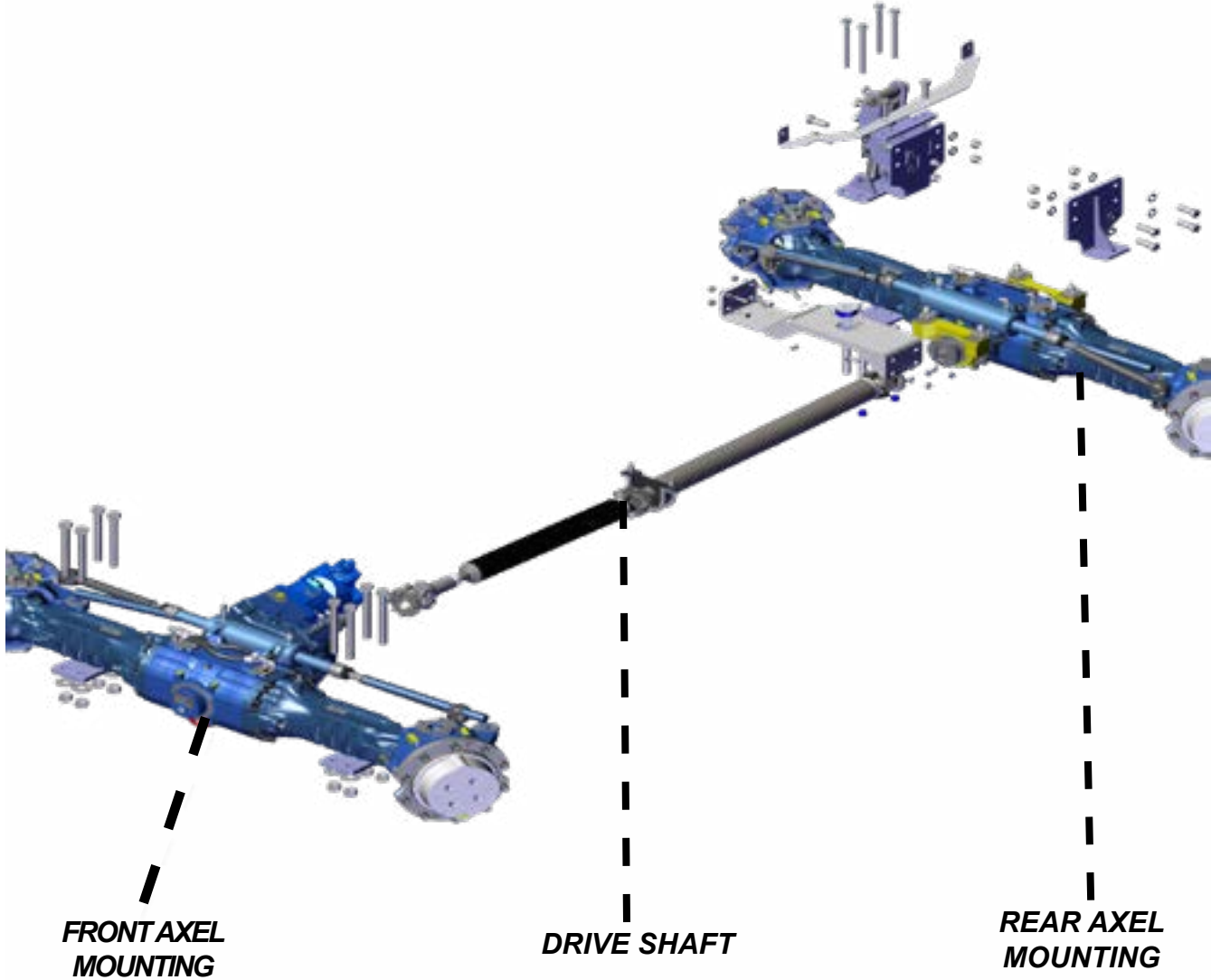
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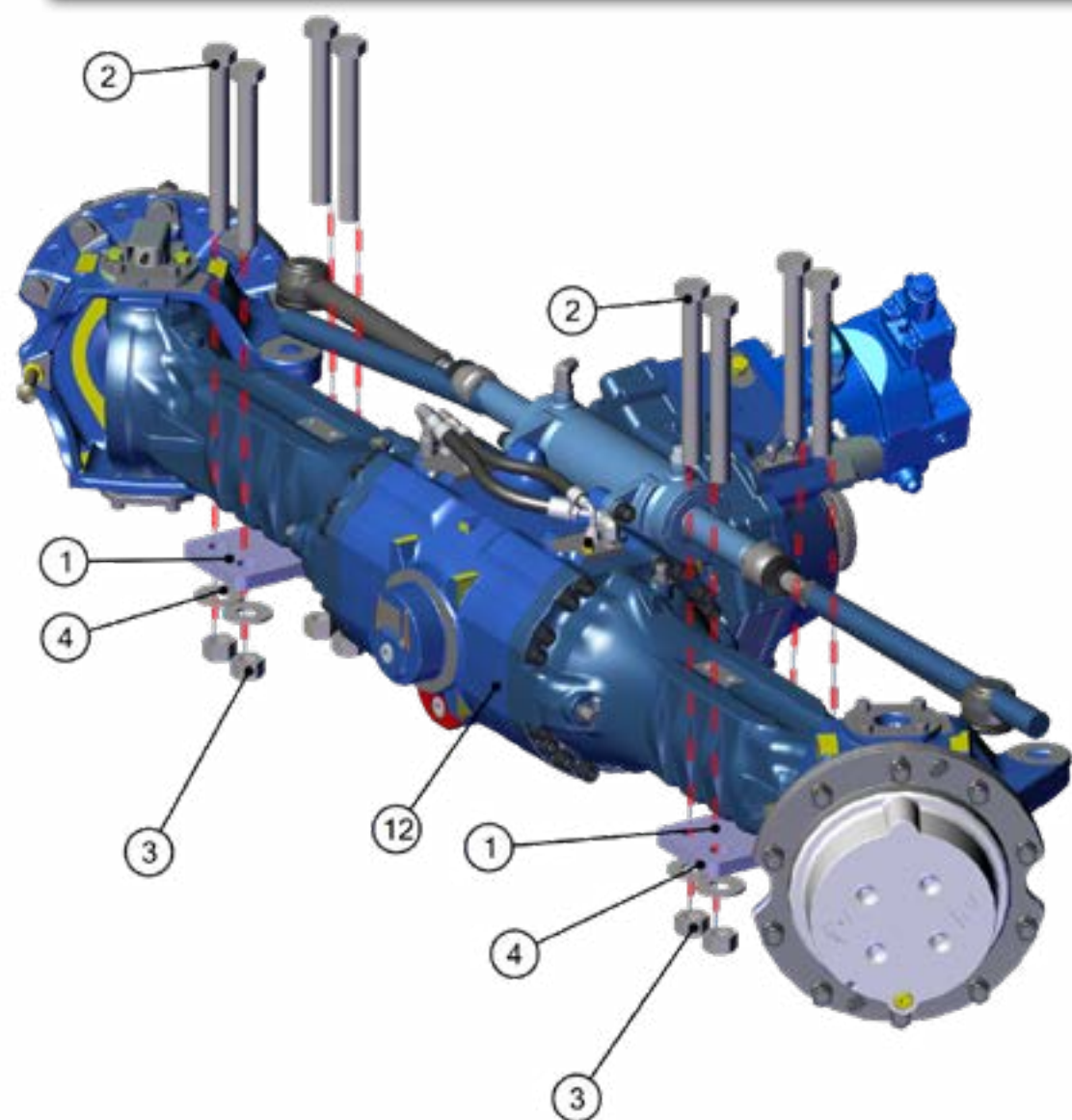
PARTS-1

AXLES

DRIVE TRAIN ASSY. - REFERENCE PAGE

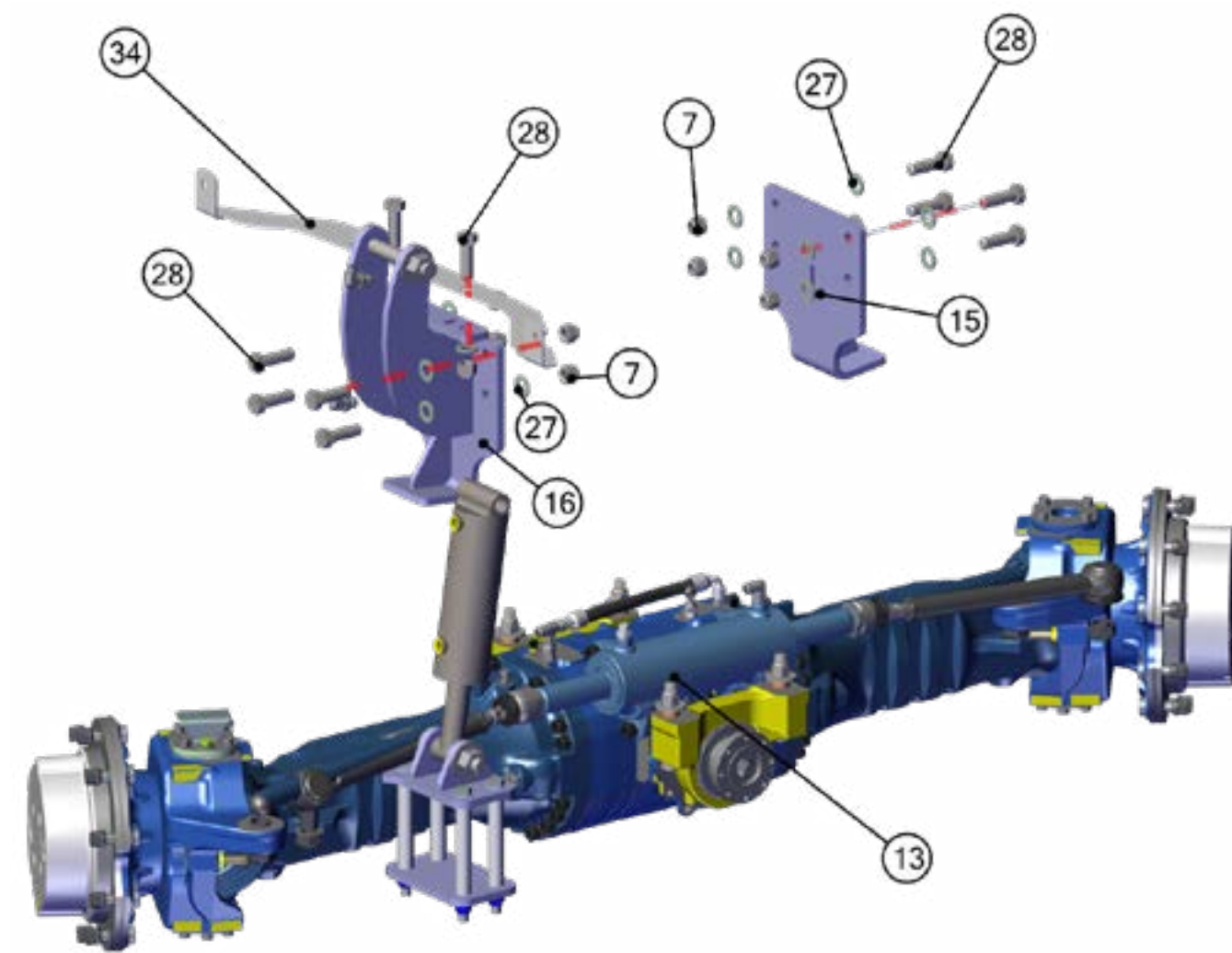


DRIVE TRAIN ASSY. - FRONT AXEL MOUNTING



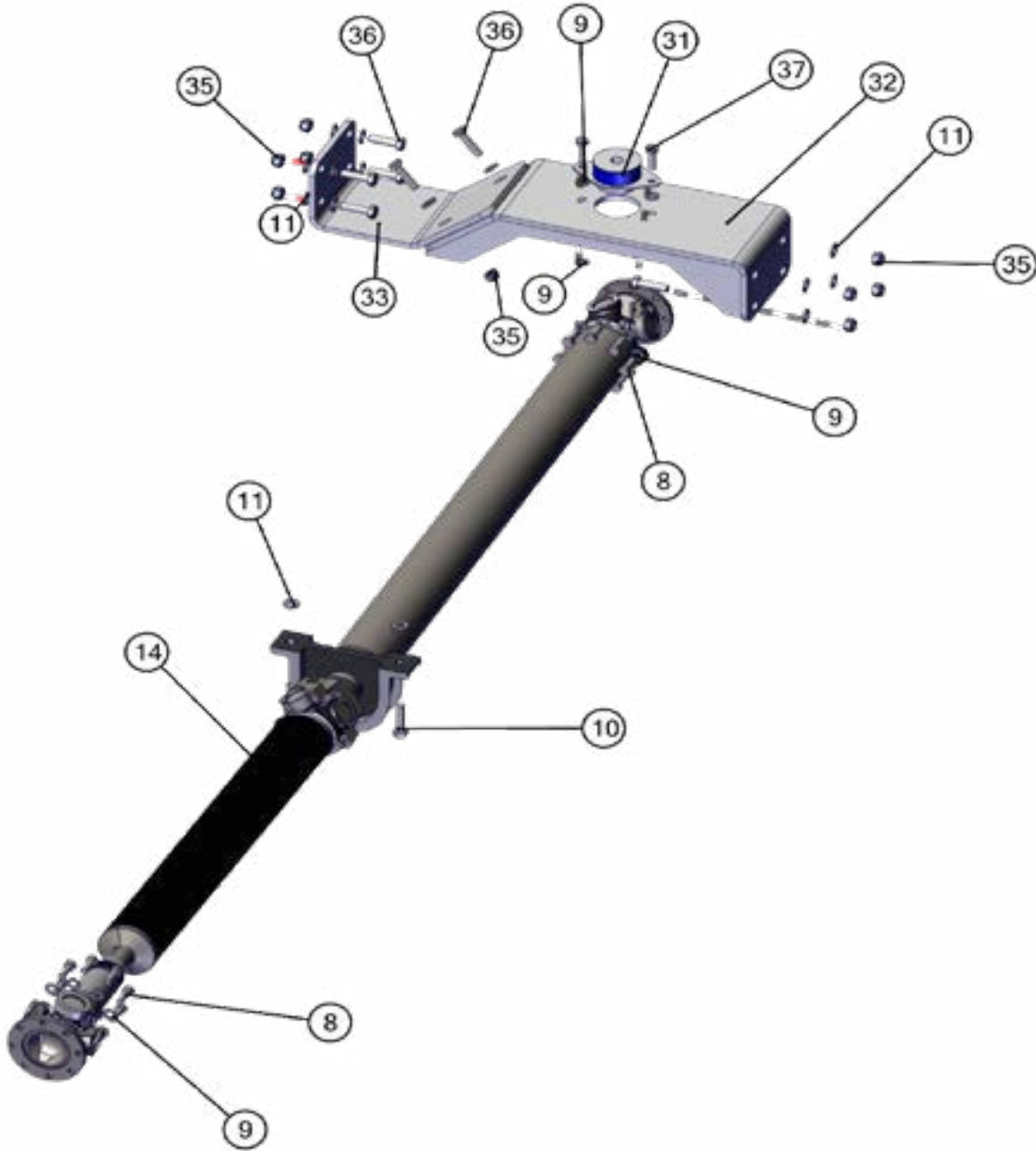
Item	Part #	Description	Qty
1	32112295	PLATE, FLOW AXLE MNT, MANTIS	2
2	02956972	HHCS, 1"-8 X 9-1/2" PL8	8
3	02994578	NUT, TOP LOCK NYLON 1"-8 PLC	8
4	02822500	FLATWASHER 1" PL	8
12	32115082	ASY, FRONT AXLE, MANTIS	1

DRIVE TRAIN ASSY. - REAR AXEL MOUNTING



Item	Part #	Description	Qty
7	02992645	LOCKNUT NYLON 3/4 NC YZ8	14
13	32115083	ASY, REAR AXLE, MANTIS	1
15	32116184	WLDMT, AXLE STOP, MANTIS	1
16	32116182	WLDMT, AX STB/STOP, MANTIS	1
27	5312316	FLATWASHER 3/4 HARDENED	18
28	02963646	HHCS 3/4 NC 2-1/2 PL8	10
34	32112297	PLATE, RH WHEEL WELL MNT	1

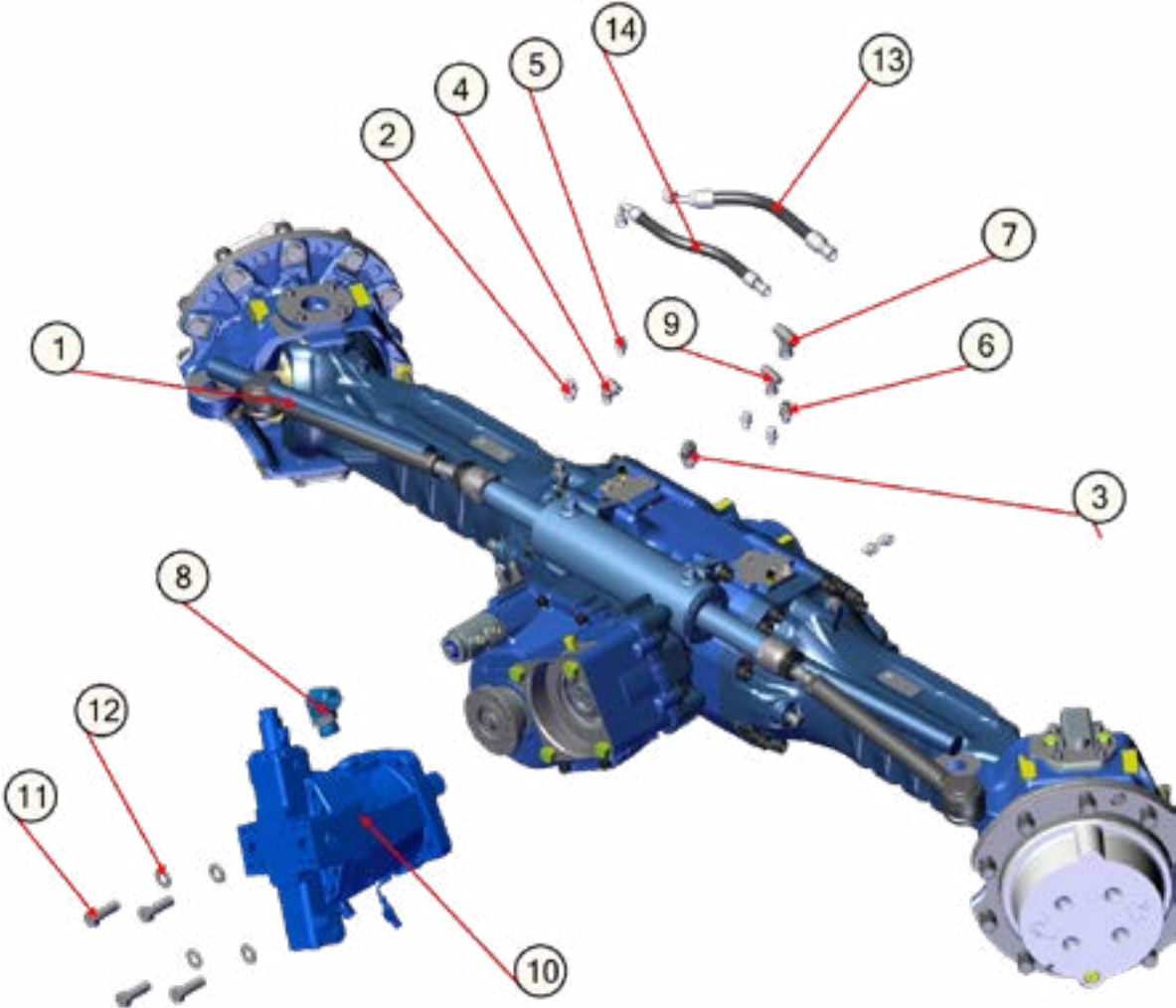
DRIVE TRAIN ASSY. - DRIVELINE



DRIVE TRAIN ASSY. - DRIVELINE

Item	Part #	Description	Qty
8	00762398	HHCS, M10-P1.5 X 30MM PL8.8	16
9	88681485	WASHER, M10	20
10	02981084	HHCS, M12-P1.75 x 50mm PL10.9	2
11	02998042	M12 X 24MM WASHER PLT	24
14	32113538	ASY, DRIVELINE, MANTIS	1
31	32113536	ISOLATOR, 840#, BLUE	1
32	32116111	WLDMT, PUMP DRIVE SUPPORT	1
33	32112296	PLATE, PUMP DRIVE ISO MNT2	1
35	00772648	NUT,HEX TOP LOCK-M12 X 1.75	10
36	32110444	HHCS, M12 NC X 45, 10.9 ZP	10
37	32110527	HHCS M10 NC X 35 10.9 YZ	2

DRIVE TRAIN ASSY. - FRONT AXEL SUB ASSY

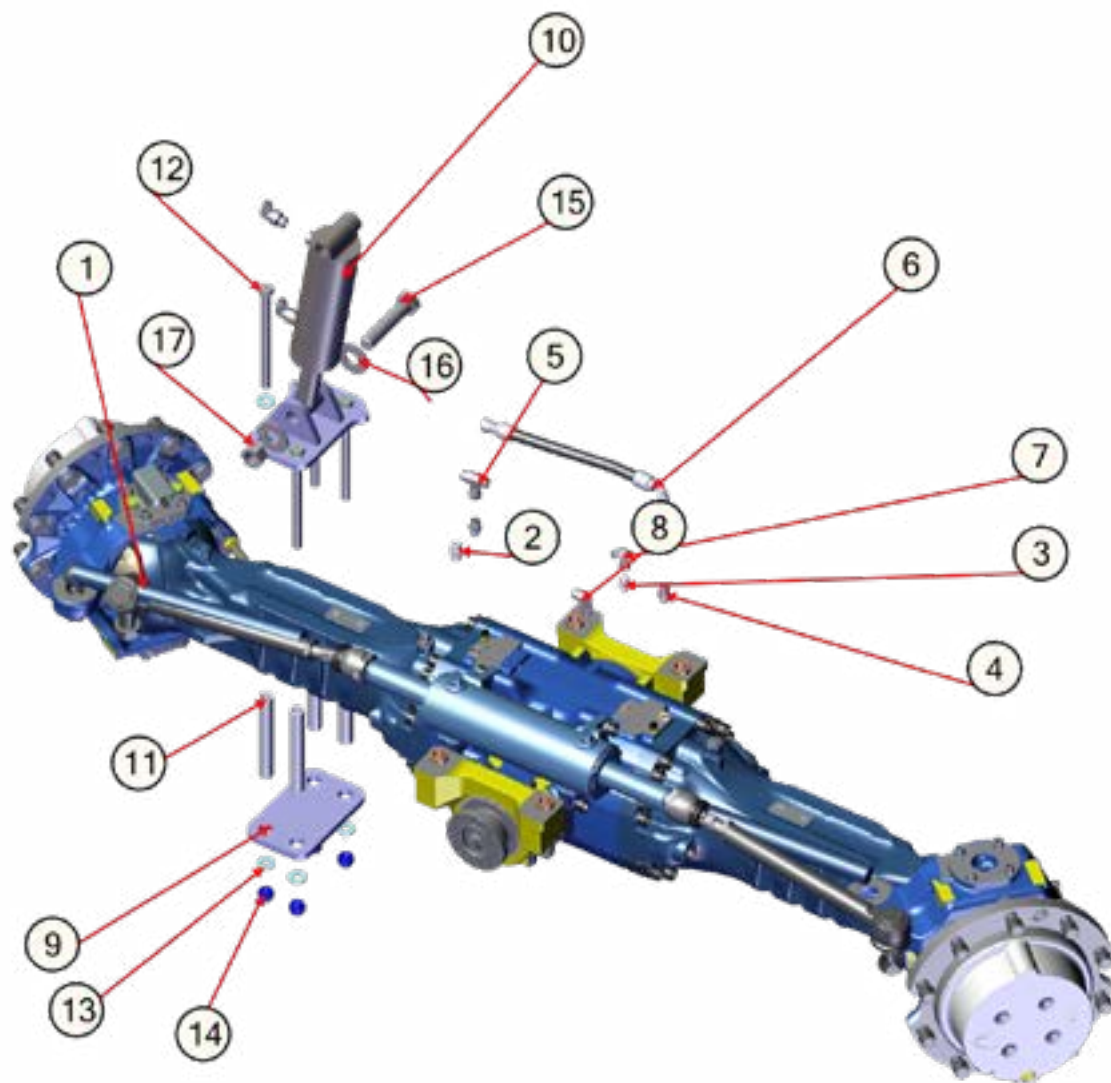


DRIVE TRAIN ASSY. - FRONT AXEL SUB ASSY

ITEM	PART#	DESCRIPTION	QTY
1	32113237	AXLE, FRONT, COMER	1
2	32123414	HYO ADP, 06MF-06MBP	1
3	32123413	HYO ADP, 06MF-06MBP-90	1
4	32123461	HYO ADP, M14-1.5-06MF-90	1
5	32123460	HYO ADP, M10-1.0-04MF	5
6	32123462	HYO ADP, M14-1.5-06MF	1
7	32123410	HYO ADP,TEE,06FFX-06MF-06MF,BR	1
8	32123463	HYO ADP, M33-2.0-16MF-90	1
9	32123407	HYO ADP,TEE,04FFX-04MF-04MF,BR	1
10	32113236	MOTOR, DRIVE, 115CC	1
11	2976831	HHCS M16-P2.0 X 50MM PL10.9	4
12	701515C	M16 FLATWASHER	4
13	32113343	HOSE #06 06FFX-06FFX45 14.75	1
14	32113345	HOSE #04 04FFX-04FFX90M 14	1

SPARE PARTS			
PARENT PART	PART#	DESCRIPTION	QTY
32113237	32124651	CYL, AXLE, MANTIS	1
32113237	32124673	SENSOR, GEAR BOX POSITION	2
32113237	32124675	SENSOR, STEER ANGLE, MANTIS	1
32113236	32124657	MAIN CONTROL UNIT	1
32113236	32124664	SEAL KIT, BOSCH, A6VM	1
32113236	32124674	SENSOR, SPEED, PROPEL MOTOR	1

DRIVE TRAIN ASSY. - REAR AXEL SUB ASSY



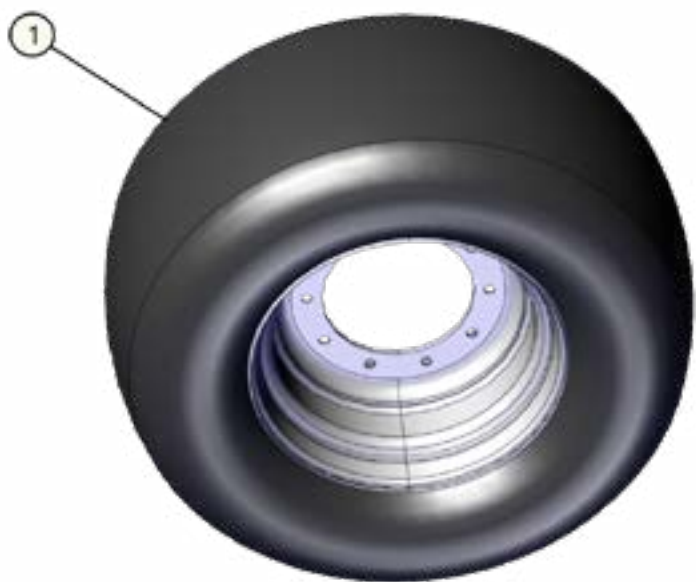
DRIVE TRAIN ASSY. - REAR AXEL SUB ASSY

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32113238	AXLE, REAR, COMER	1
2	32123414	HYO ADP, 06MF-06MBP	1
3	32123460	HYO ADP, M10-1.0-04MF	1
4	32123462	HYO ADP, M14-1.5-06MF	2
5	32123410	HYO ADP,TEE,06FFX-06MF-06MF,BR	1
6	32113347	HOSE #06 06FFX-06FFX90 14.25	1
7	02998428	HYO ADP FTG, 04MF-04FFX-90	1
8	32123413	HYO ADP, 06MF-06MBP-90	1
9	32112290	PLATE, AX MNT LOW, MANTIS	1
10	32110135	HYO CYL, 38 X 1.5R X 8S	1
11	32112300	TUBE, AXLE STAB BOSS, MANTIS	4
12	03200268	BOLT, HHCS 5/8" X 8-1/2" LG	4
13	00001400	FLATWASHER 5/8 PL STD	8
14	02991279	TOP LOCKNUT, NYLON, 5/8 NC	4
15	03200267	HHCS 1 NC 5 PL8	1
16	02822500	FLATWASHER 1" PL	2
17	02030300	NUT, TOPLOCK 1-8 UNC PL5	1
18	02998426	HYO ADP FTG, 04MF X 08MB, 90	2
19	32116183	WLDMT, AXLE LOCK BOT, MANTIS	1

Spare Parts

Parent Part	Part Number	Description	Qty
32113238	32124651	CYL, AXLE, MANTIS	1
32113238	32124675	SENSOR, STEER ANGLE, MANTIS	1
32110135	32124540	SEAL KIT 3.0 BORE 1.5 ROD	1

WHEEL & TIRE OPTIONS



Item	Part#	Description	Qty
1	32113229	Assembly, LH 560 WHL and TR, Mantis	2
	32113231	Assembly, RH 560 WHL and TR, Mantis	2
1	32113228	Assembly, LH 500 WHL and TR, Mantis	2
	32113230	Assembly, RH 500 WHL and TR, Mantis	2

Spare Parts 560 WHLs & TIRES

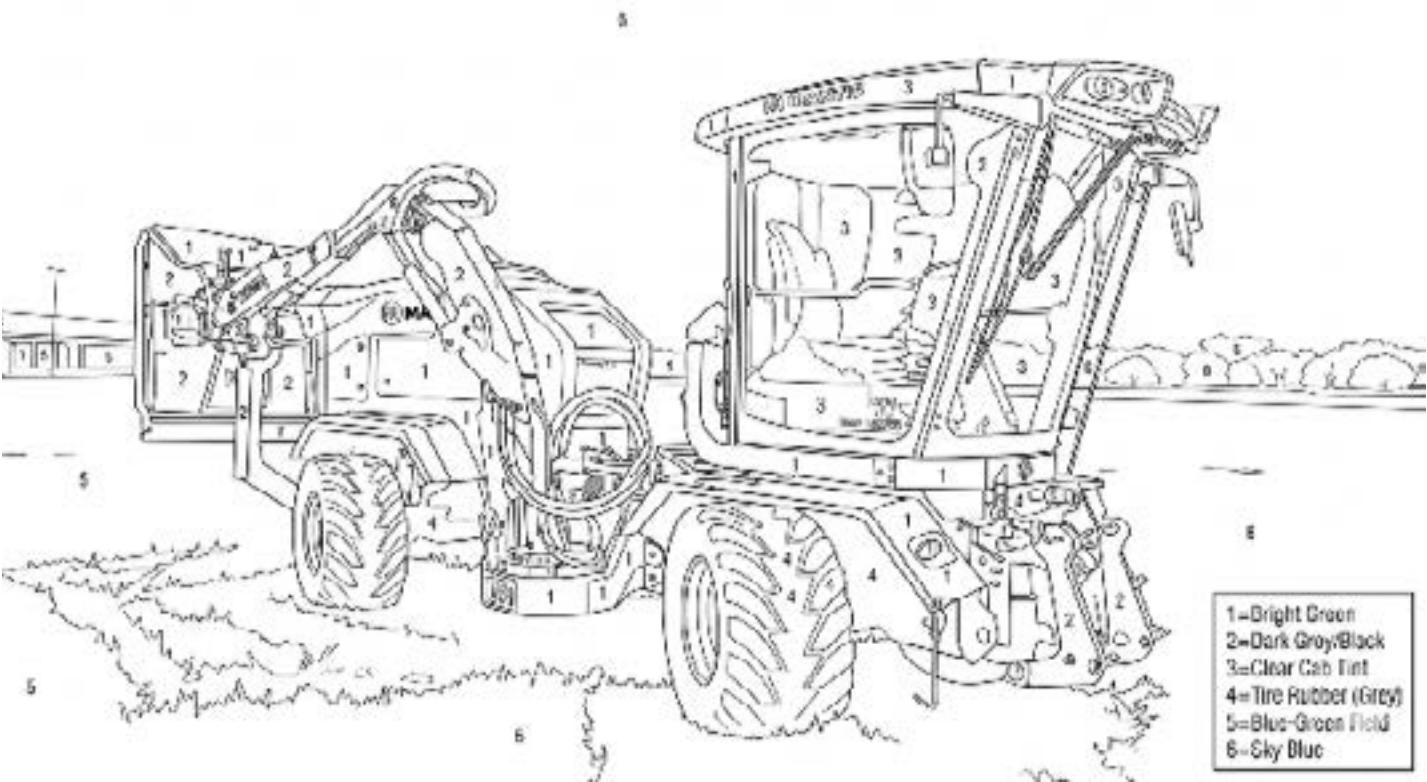
Parent Part	Part Number	Description	Qty
32113229	32113233	TIRE, 560/45R22.5	1
	32113234	WHEEL, 22.5 X AG16 X +15	1
32113231	32113233	TIRE, 560/45R22.5	1
	32113234	WHEEL, 22.5 X AG16 X +15	1

Spare Parts 500 WHLs & TIRES

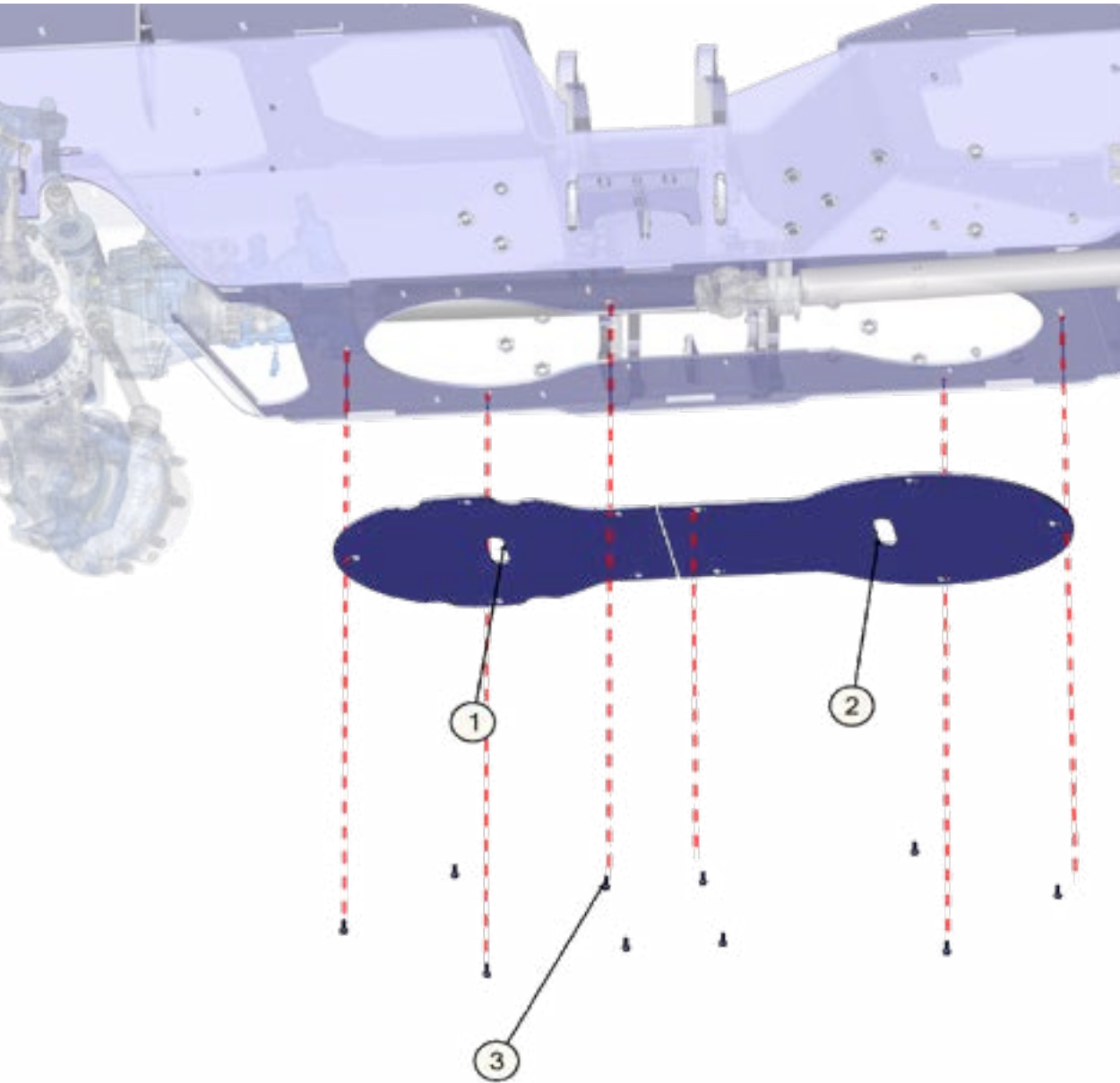
Parent Part	Part Number	Description	Qty
32113228	32113022	TIRE, 500/50R22.5	1
	32113234	WHEEL, 22.5 X AG16 X +15	1
32113230	32113022	TIRE, 500/50R22.5	1
	32113234	WHEEL, 22.5 X AG16 X +15	1



A LITTLE SOMETHIN FOR THE KIDDOS



INST, DRIVESHAFT COVER, Mantis P/N 32119098



INST, DRIVESHAFT COVER, Mantis P/N 32119098

Item Number	Part Number	Description	Qty
1	32112310	PLATE, FRNT DRLN COVER, MANTIS	1
2	32112311	PLATE, REAR DRLN COVER, MANTIS	1
3	32123783	FLNG BOLT M8 NC X 25 10.9 ZP	10



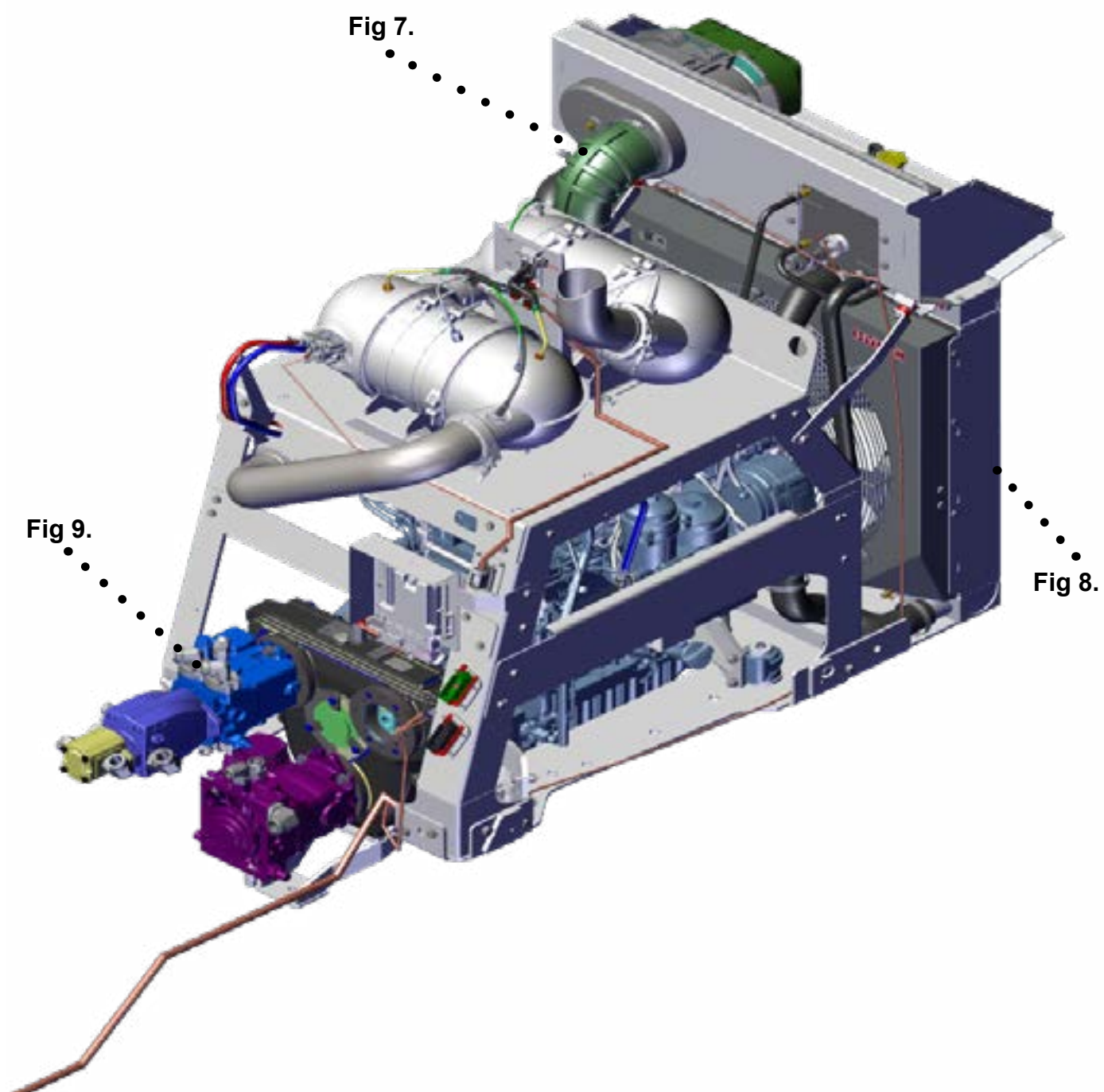
PARTS-3

ENGINE



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ENGINE ASSEMBLY



ASY, ENGINE SKID, Mantis P/N 32115080

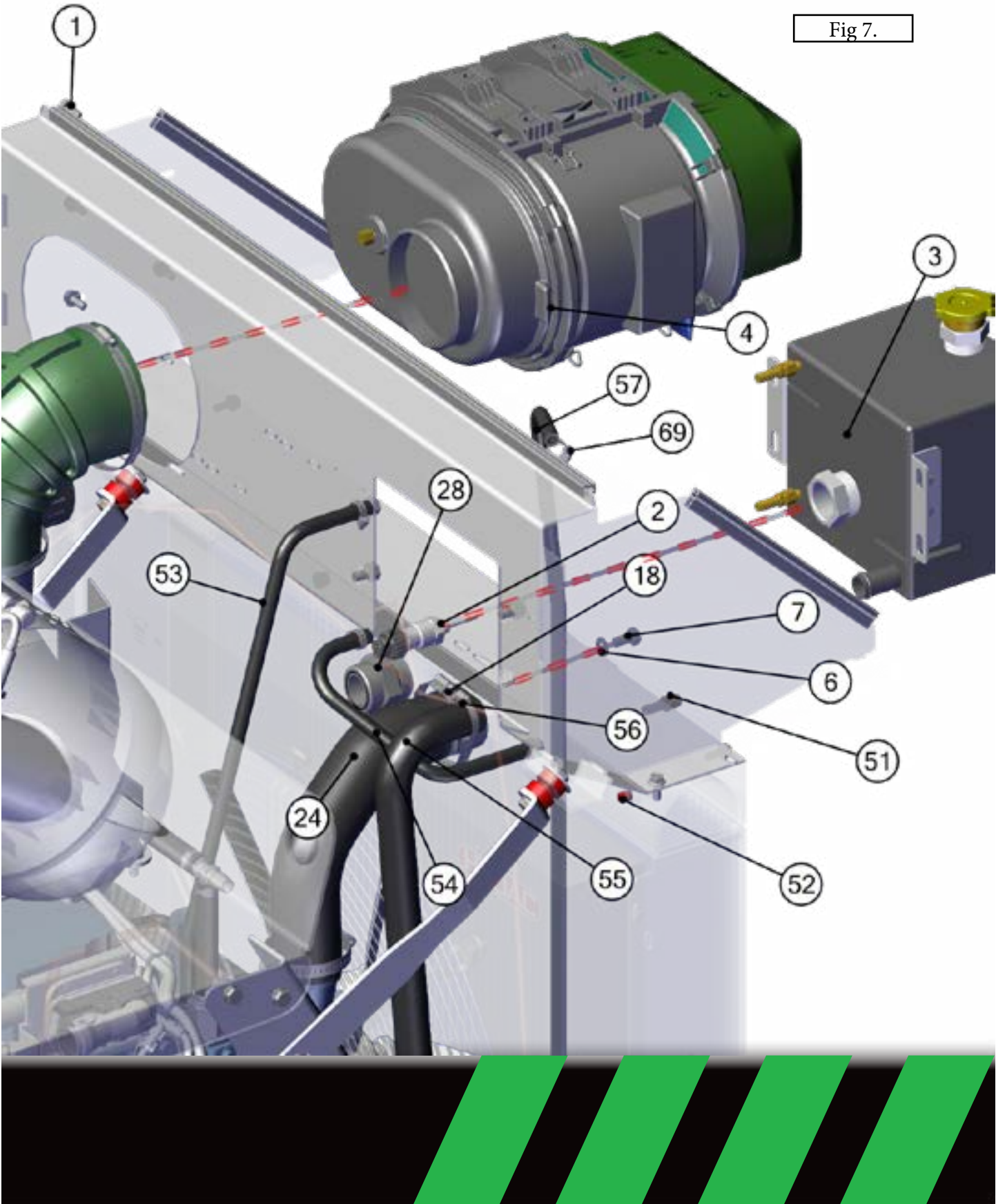


Fig 7.

ASY, ENGINE SKID, Mantis P/N 32115080

ITEM	PART#	DESCRIPTION	QTY
1	32113480	FLCS, M8-1.25 X 20MM, 8.8 ZP	8
2	32113441	SENSOR,COOLANTLEVEL	1
3	32115139	ASY,SURGETANK,ROTO	1
4	32113469	FILTER, AIR, ENGINE, DEUTZ 5.2	1
6	88681485	WASHER, M10	4
7	00754764	HHCS M10-P1.5 X 20MM PL8.8	4
18	32113467	CLAMP, HOSE #48, 2-1/2TO3-1/2	3
24	32113457	HOSE, RADIATOR, UPPER	1
28	32113487	HYO ADP, 24MB-24MF	1
51	32111521	HOSE BARB, 3/8" TO 1/4" NPT	1
52	000695	PLUG, PIPE SCKT HD, 1/4-18	1
53	32112324	HOSE, VENT, 3/8 ID X 24"	1
54	32112321	HOSE, VENT, 3/8 ID X 23"	1
55	32112322	HOSE, 1" ID X 35"	1
56	32113568	CLAMP, HOSE #20, 1-3/16TO1-3/4	2
57	32112323	HOSE, COOL, 3/8" 10,OVRFLW	1
69	32113473	CLAMP, WORM DRIVE, 5/16-7/8	5

ASY, ENGINE SKID, Mantis P/N 32115080

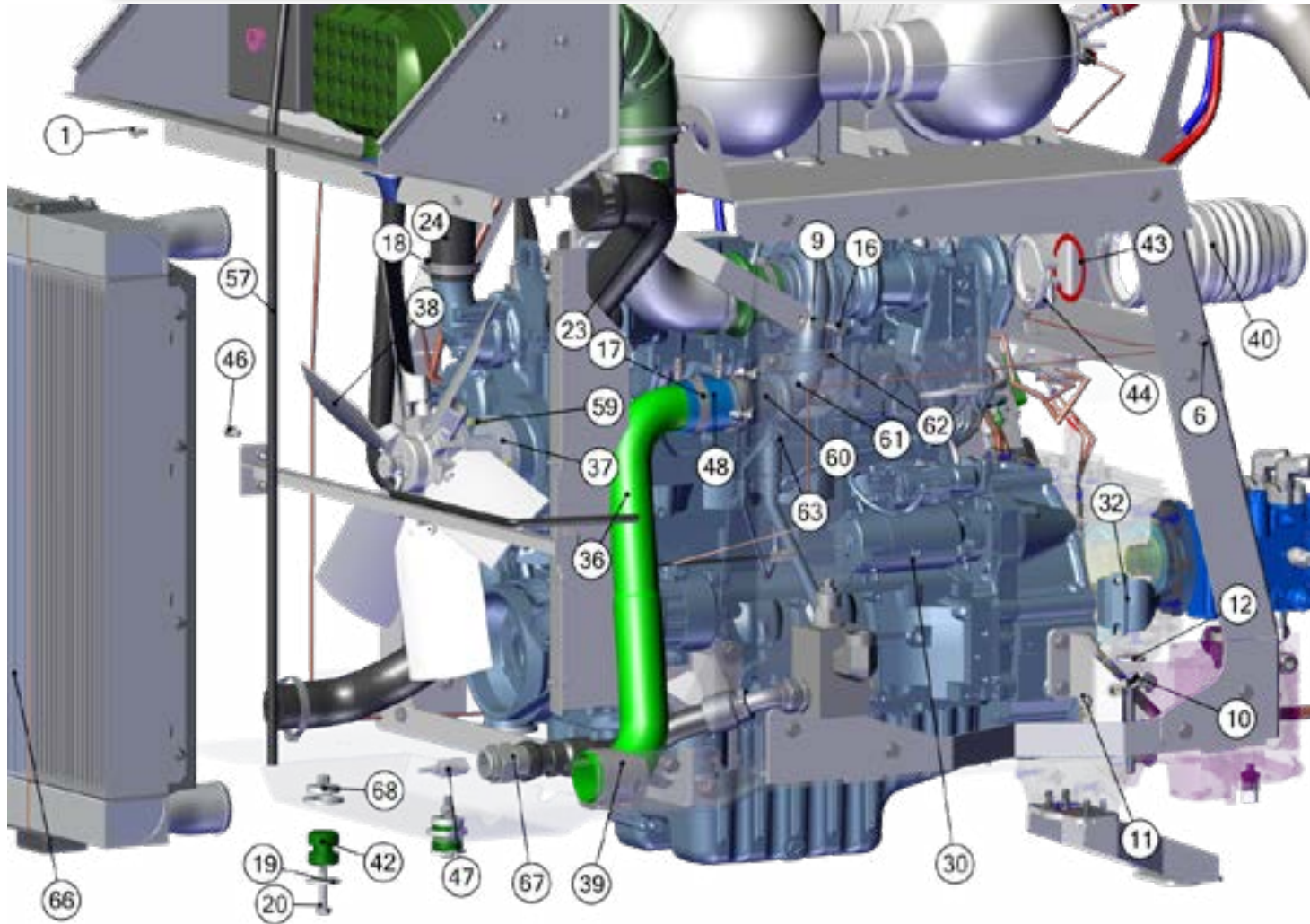


Fig 8.

ITEM	PART#	DESCRIPTION	QTY
1	32113480	FLCS, M8-1.25 X 20MM, 8.8 ZP	8
6	88681485	WASHER, M10	4
9	02998042	M12 X 24MM WASHER PLT	28
10	32110444	HHCS, M12 NC X 45, 10.9 ZP	8
11	32110547	NUT, NYLOK, M12 NC 10.9 ZP	14
12	32112161	WASH, 13MM X 45MM X 3/16"	4
16	02998060	HHCS, M12-1.75 X 35 MM, ZN10.9	8
17	32110414	CLAMP,CNST TRQ, 3IN	6
18	32113467	CLAMP, HOSE #48, 2-1/2TO3-1/2	3

ASY, ENGINE SKID, Mantis P/N 32115080

ITEM	PART#	DESCRIPTION	QTY
19	32112162	WASHER,CLRISOLATORS	2
20	32124214	HHCS, M12 X 1.75 X 85MM 10.9	2
23	32113456	HOSE, CAC, UPPER	1
24	32113457	HOSE, RADIATOR, UPPER	1
30	32113519	ENGINE, 5.2L DEUTZ, BASE	1
36	32113455	TUBE, CAC, LOWER	1
37	32113691	FAN ADP, SOLID, AL, DEUTZ 5.2L	1
38	32113454	FAN, ENGINE, 660MM	1
39	32112204	HOSE 3" ID X 3" LONG	1
40	32113447	FLEX BOOT, DEUTZ 5.2L EAT	1
42	32110366	ISOLATOR,ARMORED UNIV,200LB	2
43	32113494	GASKET, TURBO, 85MM ID	1
44	32113495	CLAMP, V-BAND, 3.5" ID	1
46	32120326	HHCS, M10-1.5 X 25MM, 10.9	4
47	32113437	SENSOR, TEMP	1
48	32112203	HOSE, 2-3/4" ID X 3" LONG	1
57	32112323	HOSE, COOL, 3/8" ID,OVRFLW	1
59	02999470	HHCS, M8-1.25 X 30MM, PL8.8	4
60	32113570	ADP, TURBO OUT, EXPANDER	1
61	32113571	ADP, TURBO OUT, ELBOW	1
62	32113572	CLAMP, V BAND, TURBO OUT	1
63	32113573	CLAMP, BEAD, TURBO OUT	1
66	32113486	ASY, COOLER STACK, MANTIS 2	1
67	32124074	HYO ADP, 24MB-24MF, BLKHD	1
68	32124213	WASHER, 2OD, 1/2ID, 3/8 THK	2

ASY, ENGINE SKID, Mantis P/N 32115080

Spare Parts			
Parent Part	Part Number	Description	Qty
32113519	32124648	BELT, SERPENTINE, DUETZ 5.2L	1
32113519	32113713	FILT ELMT, ENG OIL, DEUTZ 5.2	1
32113519	32113440	CONTROLLER, DEUTZ, EMR5	1
32113519	32113446	FILTER, FUEL, PRE, DEUTZ	1
32113519	32113475	SENSOR, ENGINE IAT,	1
32113519	32113587	FTG, 10MM F PTC-3/8 M BRB	2
32113519	32113663	PLATE, A/C ADAPTER	1
32113519	32113664	CLAMP, ASY, SCR TO DOC	1
32113519	32113666	GASKET, EXHAUST CLAMP	2
32113519	32113714	FILT ELMT,FUEL MAIN,DEUTZ 5.2	1
32113469	32113720	FILT ELMT, AIR PRIM, DEUTZ 5.2	1
32113469	32113721	FILT ELMT, AIR SEC, DEUTZ 5.2	1
32113486	32124654	GUARD, HYDAC COOLER, MANTIS	2
32113486	32124677	SHROUD, HYDAC COOLER, MANTIS	1

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ASY, ENGINE SKID, Mantis P/N 32115080

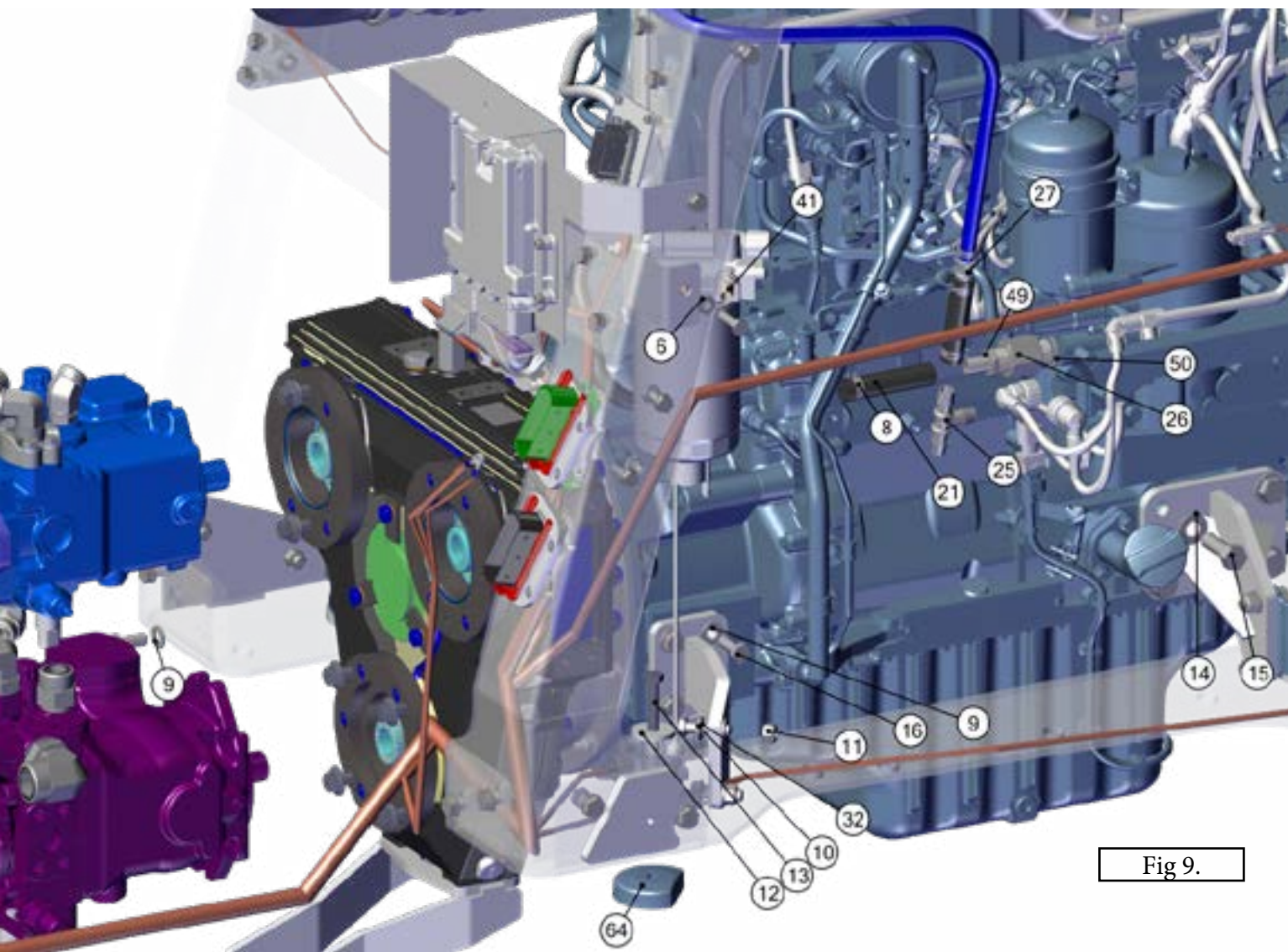
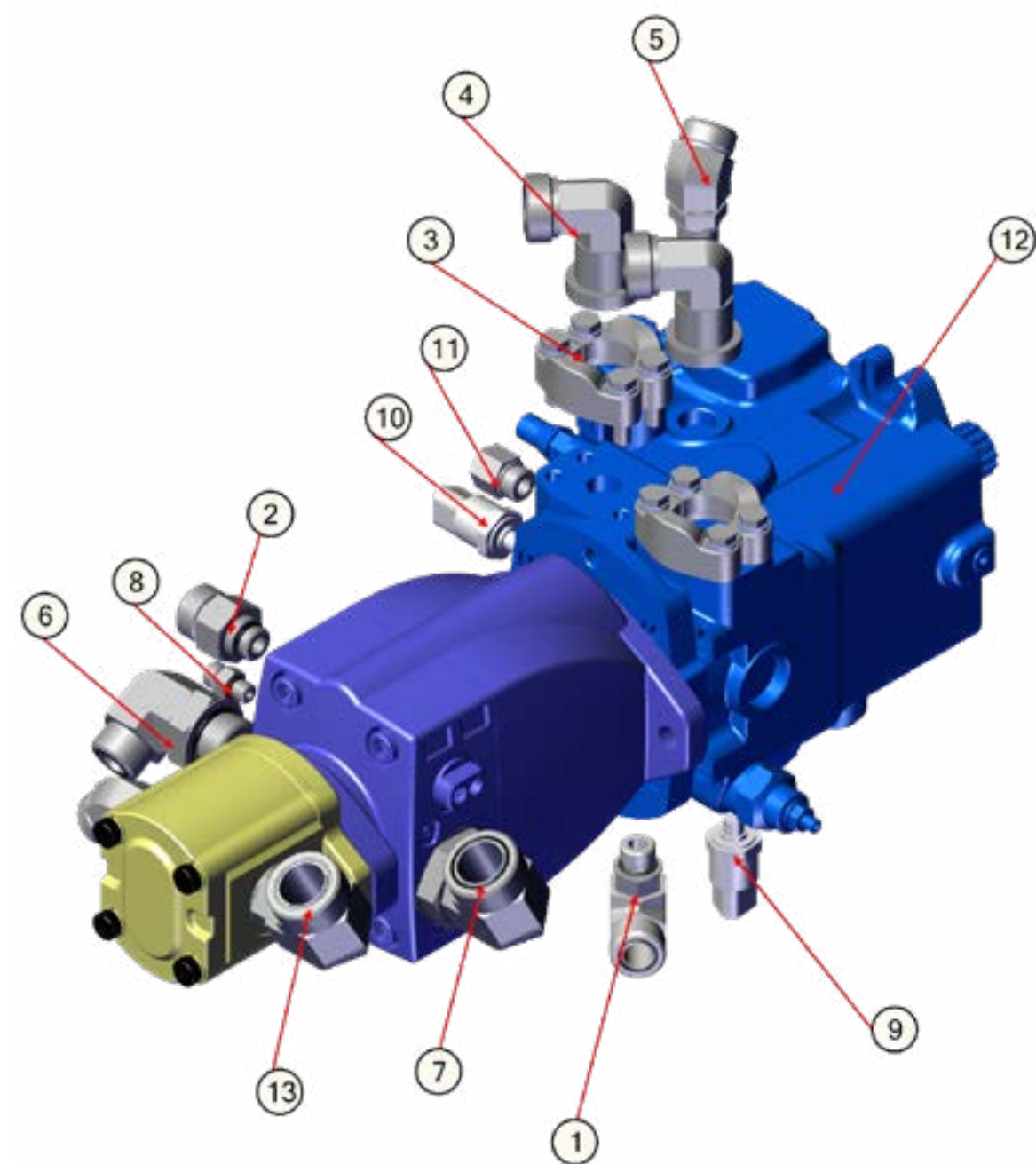


Fig 9.

ASY, ENGINE SKID, Mantis P/N 32115080

ITEM	PART#	DESCRIPTION	QTY
6	88681485	WASHER, M10	4
8	32113472	CLAMP, HOSE, SPRING, 15/16" ZP	8
9	02998042	M12 X 24MM WASHER PLT	28
10	32110444	HHCS, M12 NC X 45, 10.9 ZP	8
11	32110547	NUT, NYLOK, M12 NC 10.9 ZP	14
12	32112161	WASH, 13MM X 45MM X 3/16"	4
13	32113459	HHCS, M12-1.75, 130MM, 10.9PL	4
14	701515C	M16 FLATWASHER	8
15	002392	HHCS M16-1.5 X 50MM, 10.9PL	8
16	02998060	HHCS, M12-1.75 X 35 MM, ZN10.9	8
21	32112146	HOSE, COOLANT, 5/8" ID X 4"	3
25	32113471	HOSE TEE, 5/8 BARB	2
26	32113453	HYD ADP, M26-1.5 X 12FP	2
27	32113476	HOSE FTG, 5/8 BARB X 3/8 BARB	2
32	32113445	ISOLATOR, ENGINE, DEUTZ	4
41	32113460	HYD FTG, M16-1.5X1/2" BARB,SS	1
49	32113504	HYD ADP, -12MP X 5/8 M BARB	2
50	32113470	WASHER, BOND SEAL, M26	2
64	32113662	SPACER,ENG ISOLATOR	4

MOWER PUMP & FITTING SUB ASSEMBLY



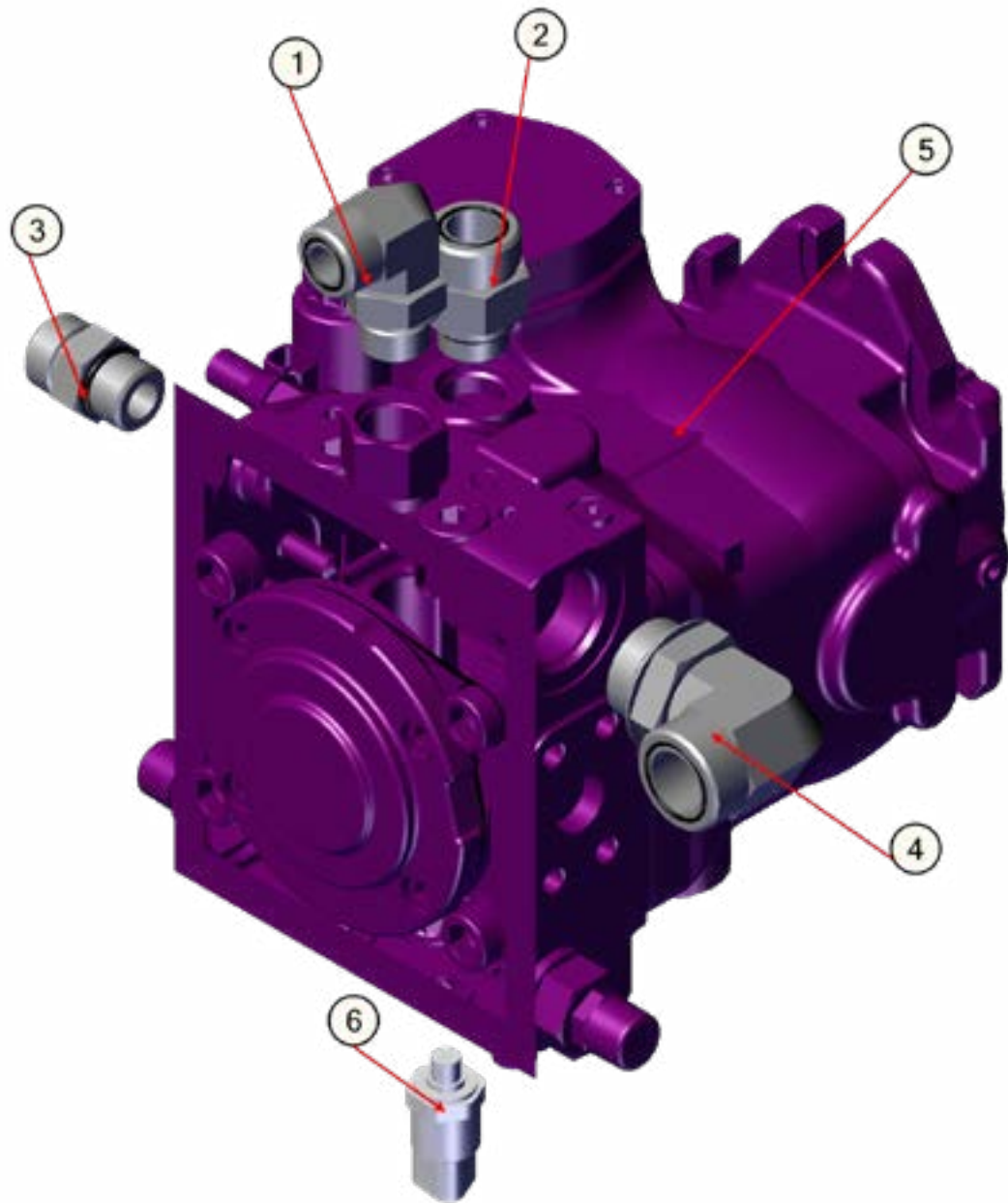
MOWER PUMP & FITTING SUB ASSEMBLY

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32123757	ADP HYO FTG 08MB-12MF90	1
2	32123421	HYO ADP, 08MB-12MF	1
3	02994909	KIT, FLANGE, #12 CODE 62	2
4	32123433	HYO ADP, 12FL-16MF-90, CD62	2
5	MVSF0272	HYO FTG 10MB-12MF 45	2
6	32123440	HYO ADP, 12MF-16MB-90	1
7	32123455	HYO ADP, 20MB-20MF-90	1
8	02998424	HYO ADP FTG, 04MF X 04MB	1
9	32113436	SENSOR, PRESSURE, 5000PSI	2
10	32113435	SENSOR, PRESSURE, 500PSI	1
11	32123758	HYO ADP 08MB-04FB	1
12	32113545	PUMP STACK, MOW/CTRL	1
13	32123448	HYD ADP, 12MB-20MF-90	1

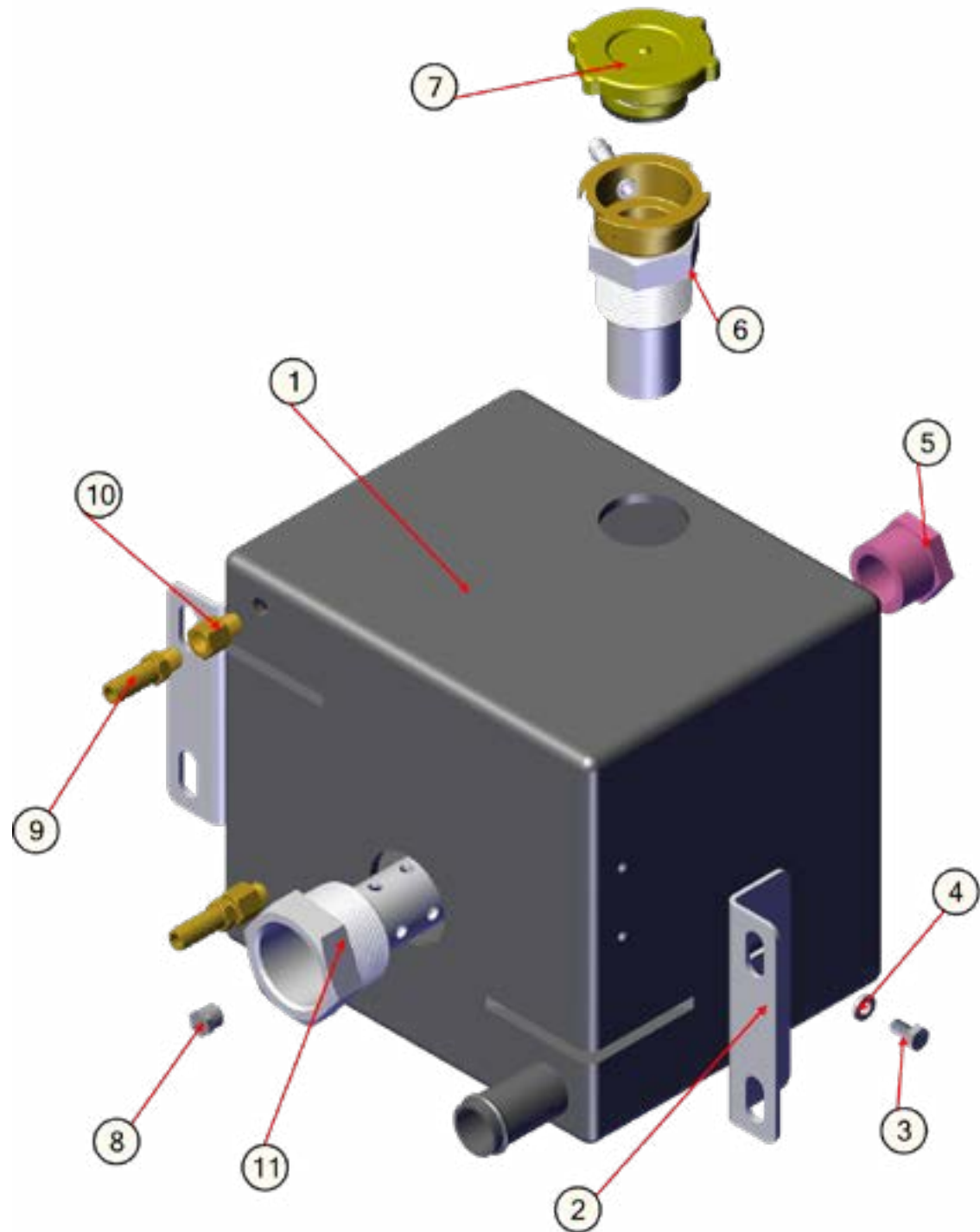
ASY, DRIVE PUMP & FITTINGS, Mantis P/N 32115077

ASY, DRIVE PUMP & FITTINGS, Mantis P/N 32115077

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	32121438	HYO ADP, 12MB X 12MF - 90	1
2	02998819	HYO ADP FTG, 12MB - 16MF	1
3	32123435	HYO ADP, 12MB-12MF	1
4	32123455	HYO ADP, 20MB-20MF-90	1
5	32110114	PUMP, HYDROSTAT	1
6	32113434	SENSOR, PRESSURE, 7500PSI	1



ASY, SURGE TANK, ROTO, Mantis P/N 32115139

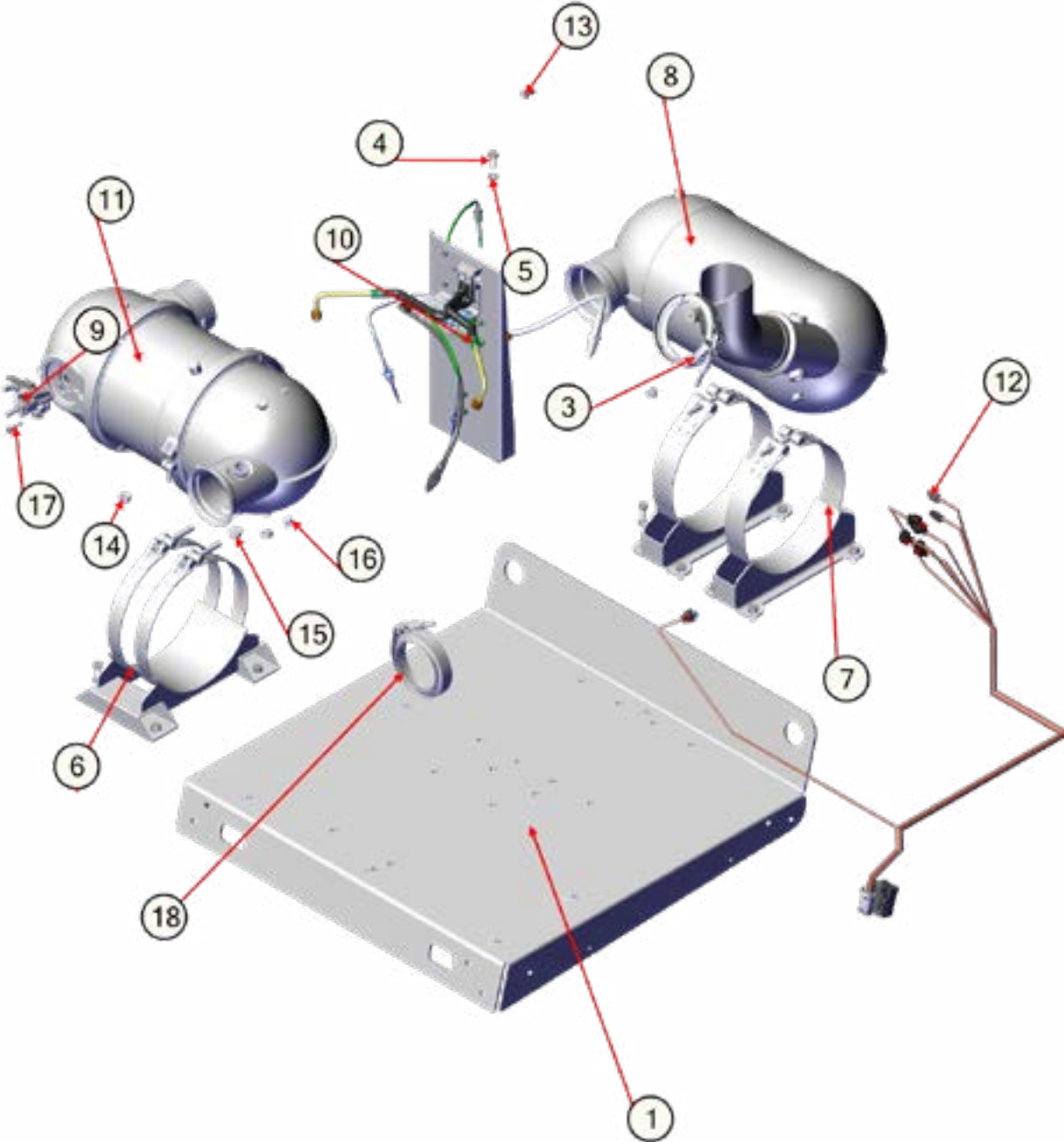


ASY, SURGE TANK, ROTO, Mantis P/N 32115139

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32113678	SURGE TANK, ROTOMOLD	1
2	32112441	SHEET, EXP TANK MOUNT, ROTO	2
3	32121507	HHCS M6 X 1.0, 12MM 10.9	4
4	32110895	FW, M6, 10.9 ZP	4
5	02049700	SIGHT GUAGE W/ REFLECTOR 16 MP	1
6	32116156	WLDMT, FILLER NECK, SURGE TK	1
7	32113562	CAP, RADIATOR, 13PSI	1
8	00565000	PLUG,HEX HD SOLID 1/8-27 NPT	1
9	32113565	HYD FTG, 3/8 BARB X 1/8 MP, BR	2
10	32113564	HYO FTG, 1/8 MP X 1/8 FP, BR	2
11	32116190	WLDMT, LVL SENS DIFF, SURGE TK	1



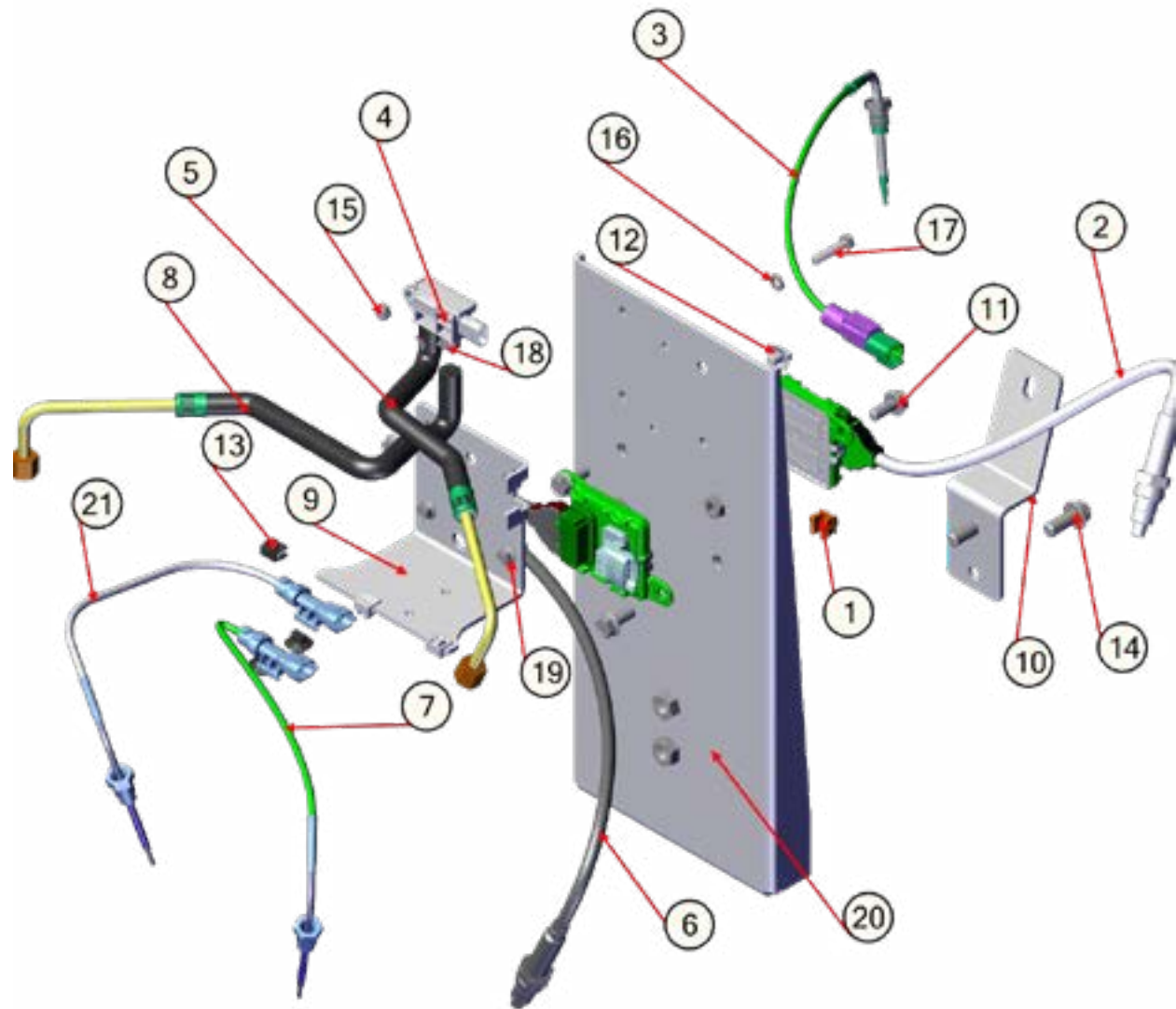
ASY, EAT SYSTEM, DEUTZ 5.2L, Mantis P/N 32115073



ASY, EAT SYSTEM, DEUTZ 5.2L, Mantis P/N 32115073

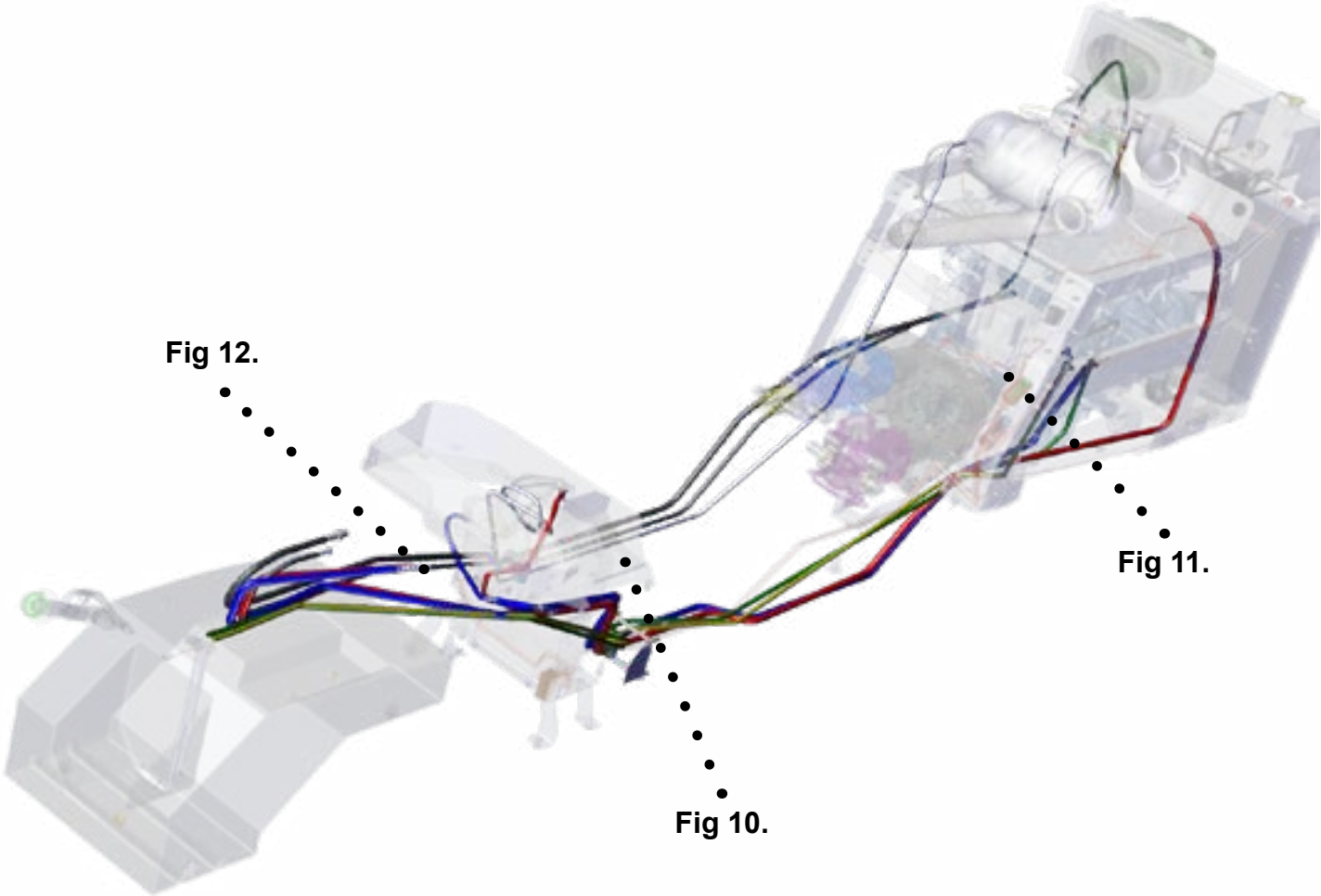
ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY
1	32116118	WLDMT, EAT MOUNT PLATE	1
2	32113477	PIPE, EXHAUST, DEUTZ 5.2L	1
3	32113439	CLAMP, V-BAND, 4" ID	1
4	32120326	HHCS, M10-1.5 X 25MM, 10.9	14
5	88681485	WASHER, M10	14
6	32113442	CLAMP, DOC, DEUTZ 5.2L	1
7	32113443	CLAMP, SINGLE, SCR, 10" ID	2
8	32113461	SCR, 33 DEG, EAT,5.2L DEUTZ	1
9	32113444	PUMP, DEF DOSING, DEUTZ 5.2L	1
10	32115078	ASY, EAT SENSORS, ENGINE	1
11	32113462	DOC, 180 DEG, EAT, 5,2L DEUTZ	1
12	32113295	HARNESS, EAT	1
13	32113480	FLCS, M8-1.25 X 20MM, 8.8 ZP	1
14	32113497	CAP, M14, EAT, DEUTZ 5.2	2
15	32113498	PLUG, M20, EAT, DEUTZ 5,2L	2
16	32113499	PLUG, M14, EAT, DEUTZ 5.2L	2
17	32113500	FLCS, M6-1.0 X 30MM, 8.8	3
18	32113664	CLAMP, ASY, SCR TO DOC	1

ASY, EAT SENSORS, ENGINE, Mantis P/N 32115078



ASY, EAT SENSORS, ENGINE, Mantis P/N 32115078

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32113484	TIE MOUNT, PRESS ON, END, 1/4	2
2	32113448	SENSOR, NOX, BLACK, DOWNSTREAM	1
3	32113449	PROBE, TEMP, SCRINLET	1
4	32113451	SENSOR, DIFF PRESS, EAT	1
5	32113452	TUBE, PRESSURE SENSOR, EAT	1
6	32113463	SENSOR, NOX, GREY, UPSTREAM	1
7	32113464	SENSOR, TEMP, BLACK, UPSTRM DOC	1
8	32113452	TUBE, PRESSURE SENSOR, EAT	1
9	32112139	PLATE, SENSORS, DOC TEMP/PRESS	1
10	32112138	PLATE, SCR STRAP	1
11	32113480	FLCS, M8-1.25 X 20MM, 8.8 ZP	4
12	32113481	TIE MOUNT, FIR TREE	3
13	32113482	TIE MOUNT, PRESS ON, SIDE, 1/8"	3
14	32111540	FLNG BOLT M10 NC X 25 10.9 ZP	2
15	02998439	NYLOCK NUT, M6 x 1.0	1
16	32110895	FW, M6, 10.9 ZP	1
17	32122266	HHCS, M6 x 1.0 - 30MM, 10.9	1
18	32113483	CLAMP, HOSE, SPRING, 17/32, ZP	2
19	32113485	FLCS, M6-1.0X 16MM, 8.8ZP	3
20	32116102	WLDMT, EAT SENSOR MOUNT	1
21	32113450	SENSOR, TEMP, GREY, DWNSTRM DO	1



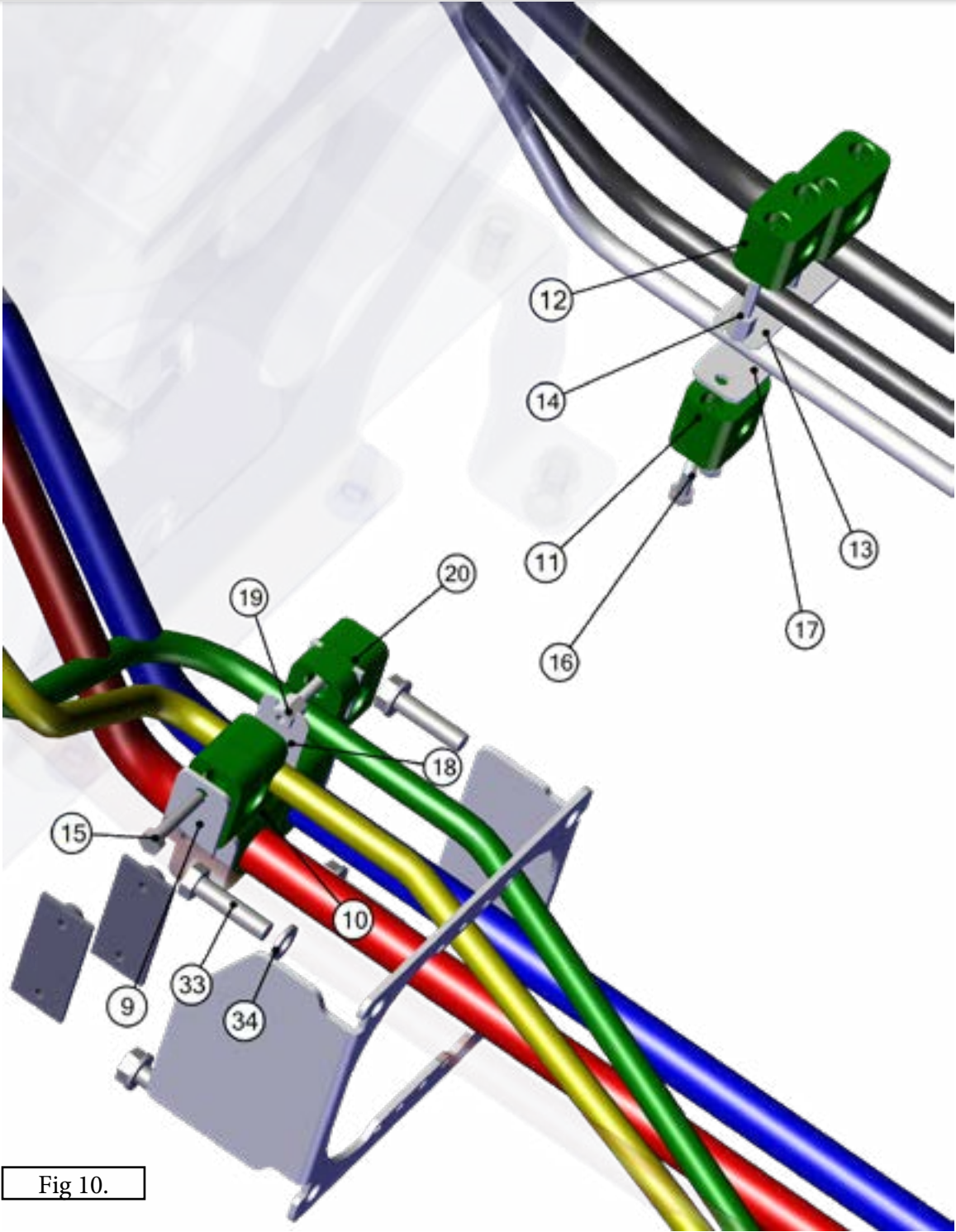
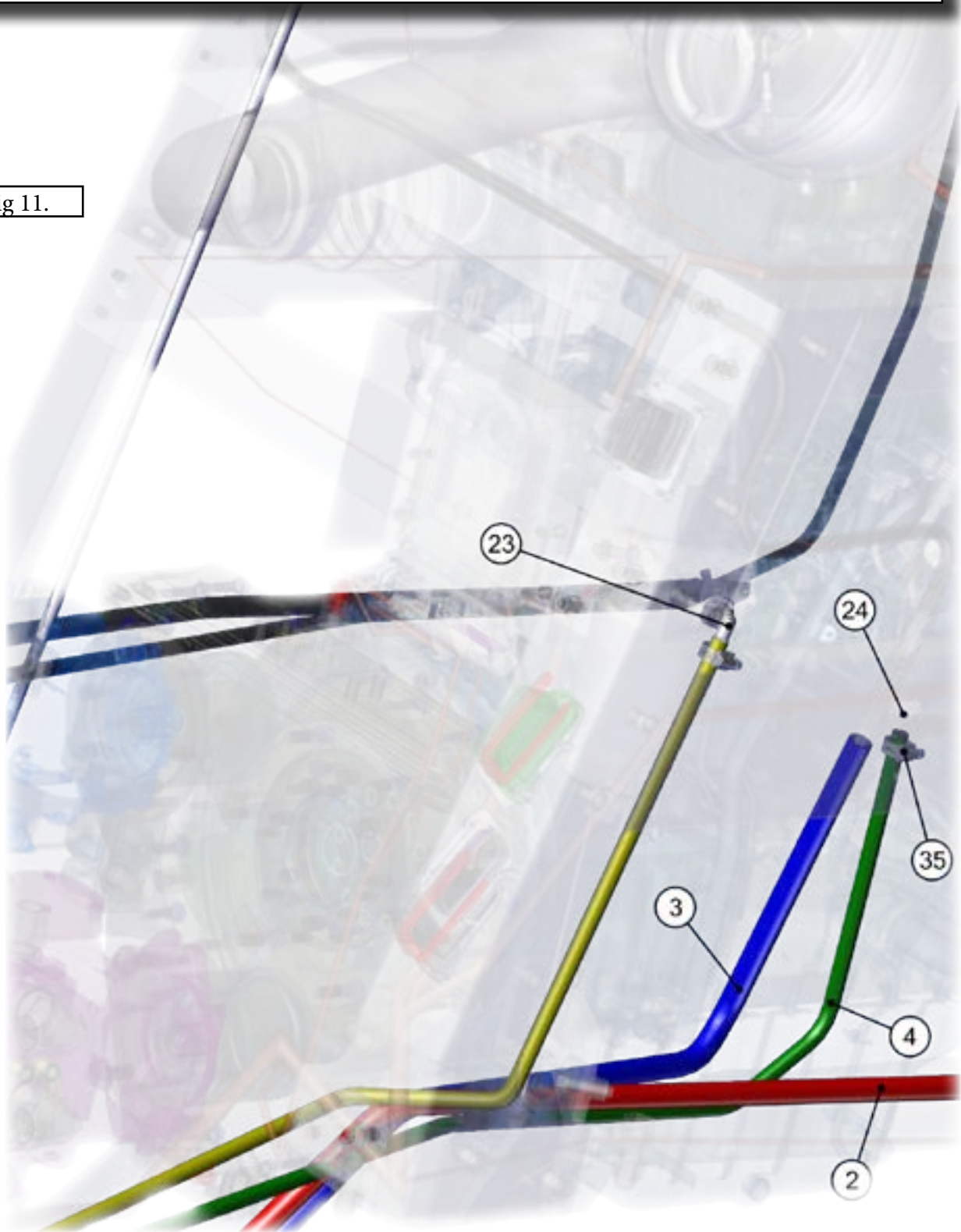


Fig 10.

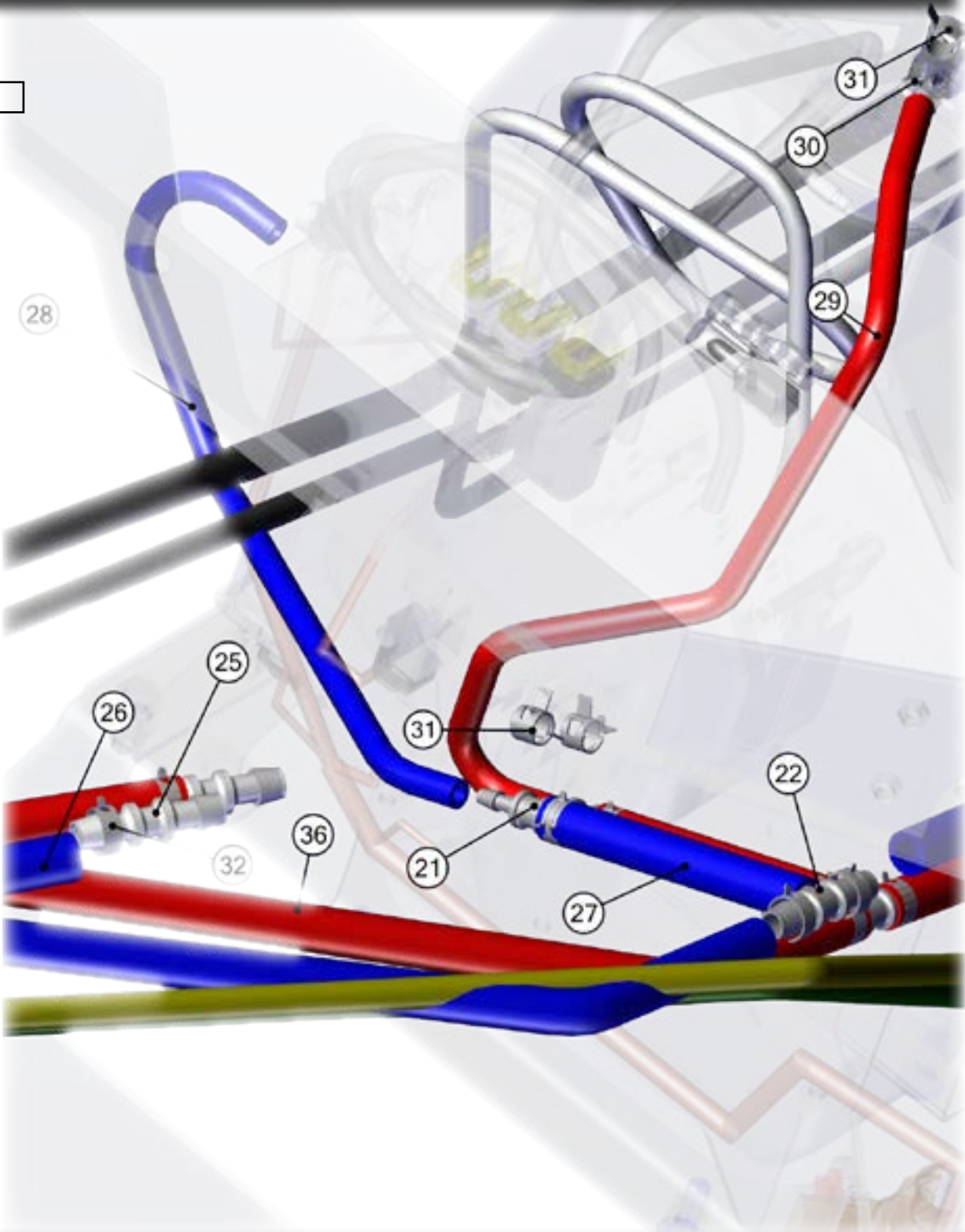
Item Number	Part Number	Title	Qty
1	32116192	WLDMT, CLAMPS, ENG HOSES	1
2	32112142	HOSE, COOLANT, 5/8" ID X 159"	1
3	32112141	HOSE, COOLANT, 5/8" ID X 115"	1
4	32112144	HOSE,FUEL,RET,1/2"1D X 155.5"	1
5	32112145	HOSE,FUEL,SUP,1/2"1D X 148.25"	1
6	32113509	HOSE, DOSER SUPPLY, DEF, 5M	1
7	32113510	HS-6,3/8TB FX90,3/8TB FX,275	1
8	32113513	HS-10,5/8TB_FXLP,5/8TB_M,184	1
9	32123766	PLATE, COVER, HYO CLAMP, GRP 3	3
10	32123773	HYD CLAMP, CTR PAIR, 1" GRP3	3
11	32123775	HYO CLAMP, CTR PAIR, 1/2" GRP2	1
12	32123776	HYO CLAMP, CTR PAIR, 5/8" GRP2	1
13	32123777	PLATE, LOCK, HYD CLAMP, GRP 2	1
14	32123778	BOLT, STACKING, CLAMP, GRP 2	2
15	10062000	HHCS 1/4NC-1-1/2 PL GR5	6
16	32123779	HHCS 1/4-20 X 1-3/8 PL5	2
17	32123815	PLATE, COVER, HYO CLAMP, GRP 2	1
18	32123816	PLATE, LOCK, HYD CLAMP, GRP 3	2
19	32123812	BOLT, STACKING, CLAMP, GRP 3	4
20	32123764	HYO CLAMP, CTR PAIR, 3/4" GRP3	2
21	32113476	HOSE FTG, 5/8 BARB X 3/8 BARB	2
22	32113471	HOSE TEE, 5/8 BARB	2
23	32113560	FTG, PTC, F SAE J2044-1/2M BRB	1
24	32113585	FTG, 12MM F PTC-1/2 M BRB	1
25	32123814	HOSE, MEND, 5/8 BARB	2
26	32112339	HOSE, COOLANT, 5/8" ID X 72"	1
27	32112147	HOSE, COOLANT, 5/8" ID X 6.5"	2
28	32112337	HOSE, COOLANT, 3/8" ID X 28"	1
29	32112338	HOSE, COOL, 3/8" ID X 26-3/4"	1

Fig 11.



Item Number	Part Number	Title	Qty
1	32116192	WLDMT, CLAMPS, ENG HOSES	1
2	32112142	HOSE, COOLANT, 5/8" ID X 159"	1
3	32112141	HOSE, COOLANT, 5/8" ID X 115"	1
4	32112144	HOSE,FUEL,RET,1/2"1D X 155.5"	1
5	32112145	HOSE,FUEL,SUP,1/2"1D X 148.25"	1
6	32113509	HOSE, DOSER SUPPLY, DEF, 5M	1
7	32113510	HS-6,3/8TB FX90,3/8TB FX,275	1
8	32113513	HS-10,5/8TB_FXLP,5/8TB_M,184	1
9	32123766	PLATE, COVER, HYO CLAMP, GRP 3	3
10	32123773	HYD CLAMP, CTR PAIR, 1" GRP3	3
11	32123775	HYO CLAMP, CTR PAIR, 1/2" GRP2	1
12	32123776	HYO CLAMP, CTR PAIR, 5/8" GRP2	1
13	32123777	PLATE, LOCK, HYD CLAMP, GRP 2	1
14	32123778	BOLT, STACKING, CLAMP, GRP 2	2
15	10062000	HHCS 1/4NC-1-1/2 PL GR5	6
16	32123779	HHCS 1/4-20 X 1-3/8 PL5	2
17	32123815	PLATE, COVER, HYO CLAMP, GRP 2	1
18	32123816	PLATE, LOCK, HYD CLAMP, GRP 3	2
19	32123812	BOLT, STACKING, CLAMP, GRP 3	4
20	32123764	HYO CLAMP, CTR PAIR, 3/4" GRP3	2
21	32113476	HOSE FTG, 5/8 BARB X 3/8 BARB	2
22	32113471	HOSE TEE, 5/8 BARB	2
23	32113560	FTG, PTC, F SAE J2044-1/2M BRB	1
24	32113585	FTG, 12MM F PTC-1/2 M BRB	1
25	32123814	HOSE, MEND, 5/8 BARB	2
26	32112339	HOSE, COOLANT, 5/8" ID X 72"	1
27	32112147	HOSE, COOLANT, 5/8" ID X 6.5"	2
28	32112337	HOSE, COOLANT, 3/8" ID X 28"	1
29	32112338	HOSE, COOL, 3/8" ID X 26-3/4"	1

Fig 12.



Item Number	Part Number	Title	Qty
1	32116192	WLDMT, CLAMPS, ENG HOSES	1
2	32112142	HOSE, COOLANT, 5/8" ID X 159"	1
3	32112141	HOSE, COOLANT, 5/8" ID X 115"	1
4	32112144	HOSE,FUEL,RET,1/2"1D X 155.5"	1
5	32112145	HOSE,FUEL,SUP,1/2"1D X 148.25"	1
6	32113509	HOSE, DOSER SUPPLY, DEF, 5M	1
7	32113510	HS-6,3/8TB FX90,3/8TB FX,275	1
8	32113513	HS-10,5/8TB_FXLP,5/8TB_M,184	1
9	32123766	PLATE, COVER, HYO CLAMP, GRP 3	3
10	32123773	HYD CLAMP, CTR PAIR, 1" GRP3	3
11	32123775	HYO CLAMP, CTR PAIR, 1/2" GRP2	1
12	32123776	HYO CLAMP, CTR PAIR, 5/8" GRP2	1
13	32123777	PLATE, LOCK, HYD CLAMP, GRP 2	1
14	32123778	BOLT, STACKING, CLAMP, GRP 2	2
15	10062000	HHCS 1/4NC-1-1/2 PL GR5	6
16	32123779	HHCS 1/4-20 X 1-3/8 PL5	2
17	32123815	PLATE, COVER, HYO CLAMP, GRP 2	1
18	32123816	PLATE, LOCK, HYD CLAMP, GRP 3	2
19	32123812	BOLT, STACKING, CLAMP, GRP 3	4
20	32123764	HYO CLAMP, CTR PAIR, 3/4" GRP3	2
21	32113476	HOSE FTG, 5/8 BARB X 3/8 BARB	2
22	32113471	HOSE TEE, 5/8 BARB	2
23	32113560	FTG, PTC, F SAE J2044-1/2M BRB	1
24	32113585	FTG, 12MM F PTC-1/2 M BRB	1
25	32123814	HOSE, MEND, 5/8 BARB	2
26	32112339	HOSE, COOLANT, 5/8" ID X 72"	1
27	32112147	HOSE, COOLANT, 5/8" ID X 6.5"	2
28	32112337	HOSE, COOLANT, 3/8" ID X 28"	1
29	32112338	HOSE, COOL, 3/8" ID X 26-3/4"	1

INST, ENG AUX 1/3, Mantis P/N 32119078

30	32113586	FTG, 10MM F PTC-3/8 M BRB-90	1
31	32113473	CLAMP, HOSE, SPRING, 5/8: ZP	3
32	32113472	CLAMP, HOSE, SPRING, 15/16" ZP	8
33	02961228	METRIC BOLT M10-P1.5 - 40MM	4
34	88681485	WASHER, M10	4
35	86671187	CLAMP HOSE	2
36	32112430	HOSE, COOLANT, 5/8" ID X 72"	1

INST, ENG AUX 2/3, Mantis P/N 32119080

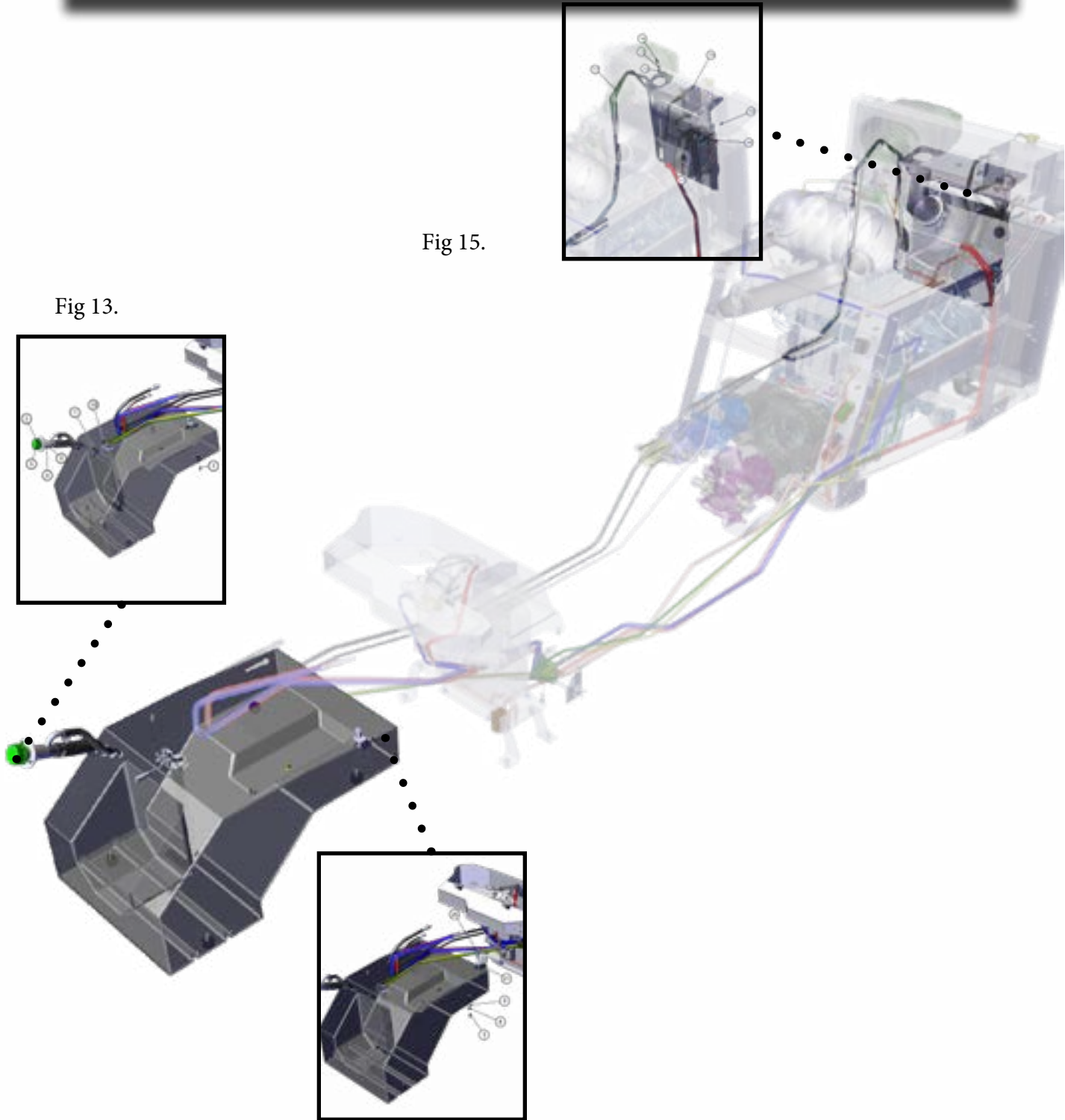


Fig 13.

Fig 15.

Fig 14.



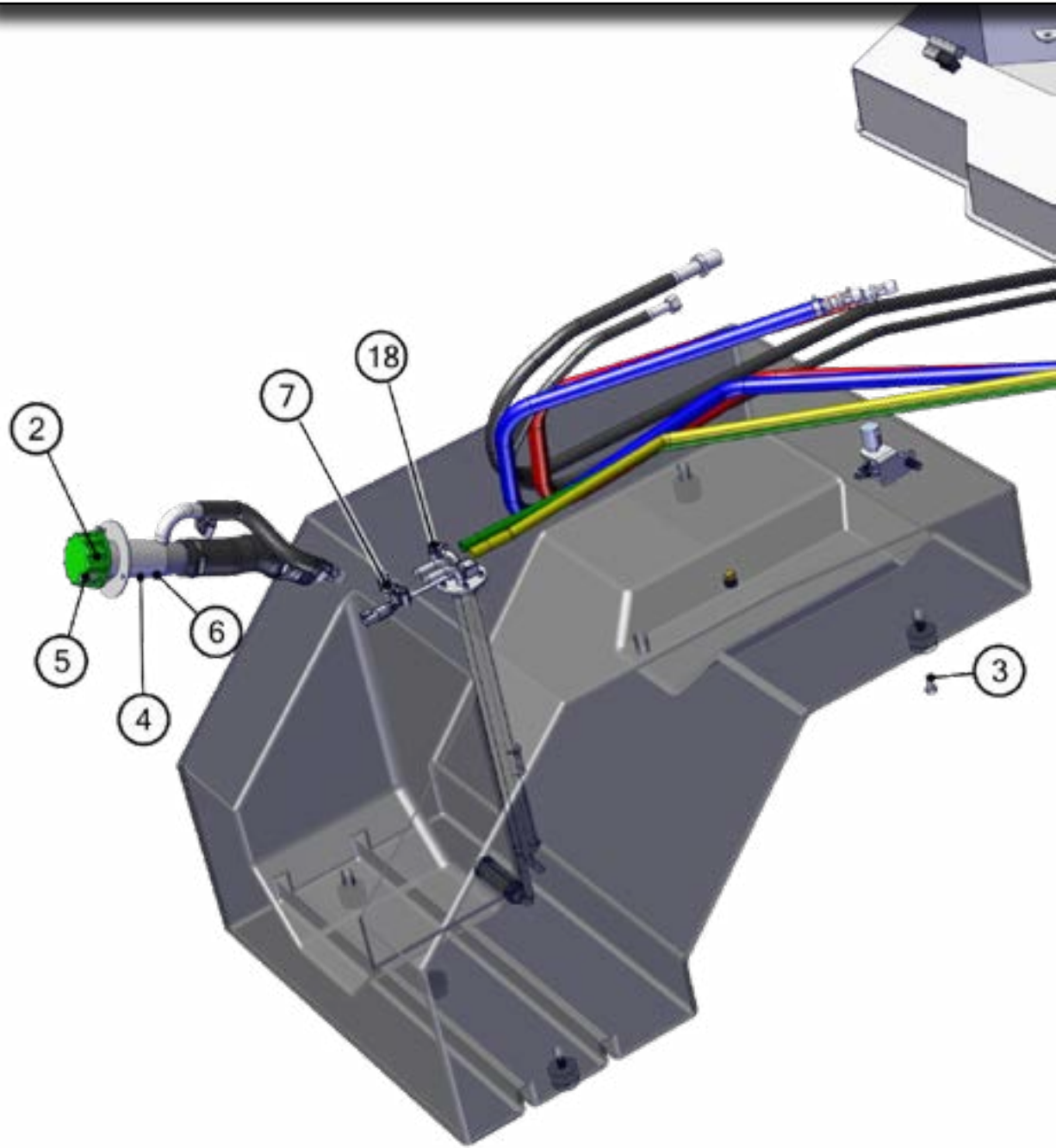
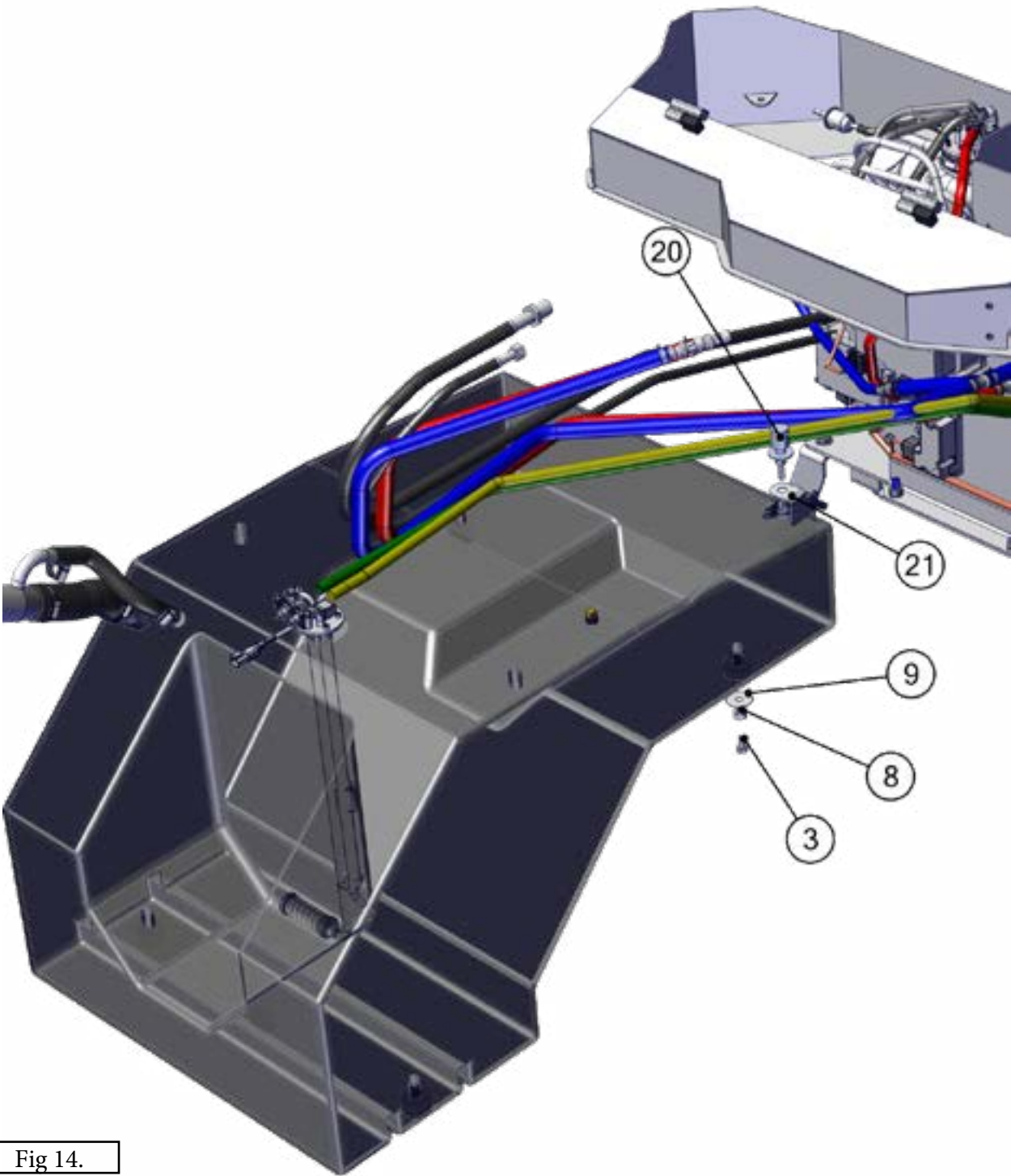


Fig 13.

Item Number	Part Number	Description	Qty
1	32115093	ASY, FUEL TANK	1
2	32110408	CAP, FUEL	1
3	00002000	HHCS 3/8 NC 3/4 PL5	4
4	32110895	FW, M6, 10.9 ZP	6
5	02969728	HHCS M6 - 1.0 X 20MM	3
6	02998439	NYLOCK NUT, M6 x 1.0	3
7	86671187	CLAMP HOSE	2
8	32113591	SPACER, 3/4ODX3/8IDX3/8	4
9	32123813	FW, FENDER, 3/8, 1-1/2 OD	4
10	32112279	PLATE, CONDENSER MOUNT	1
11	80763073	CONDENSOR, AC	1
12	88681485	WASHER, M10	4
13	32113488	NUT, TPLK, M10-1.5, CLS 10 ZN	3
14	32120326	HHCS, M10-1.5 X 25MM, 10.9	4
15	88681406	HHCS, M5-0.8 X 16mm LG	4
16	02998438	NUT, NYLN INST, M5 X 0.8, PL	4
17	32113512	HS-8,1/2TB_FX90,1/2TB_FXHP,128	1
18	00751543	HOSECLAMPFOR#6HOSE	2
20	32111071	VALVE, VENT	1
21	32112438	SHEET, FUEL TANK VENT	1

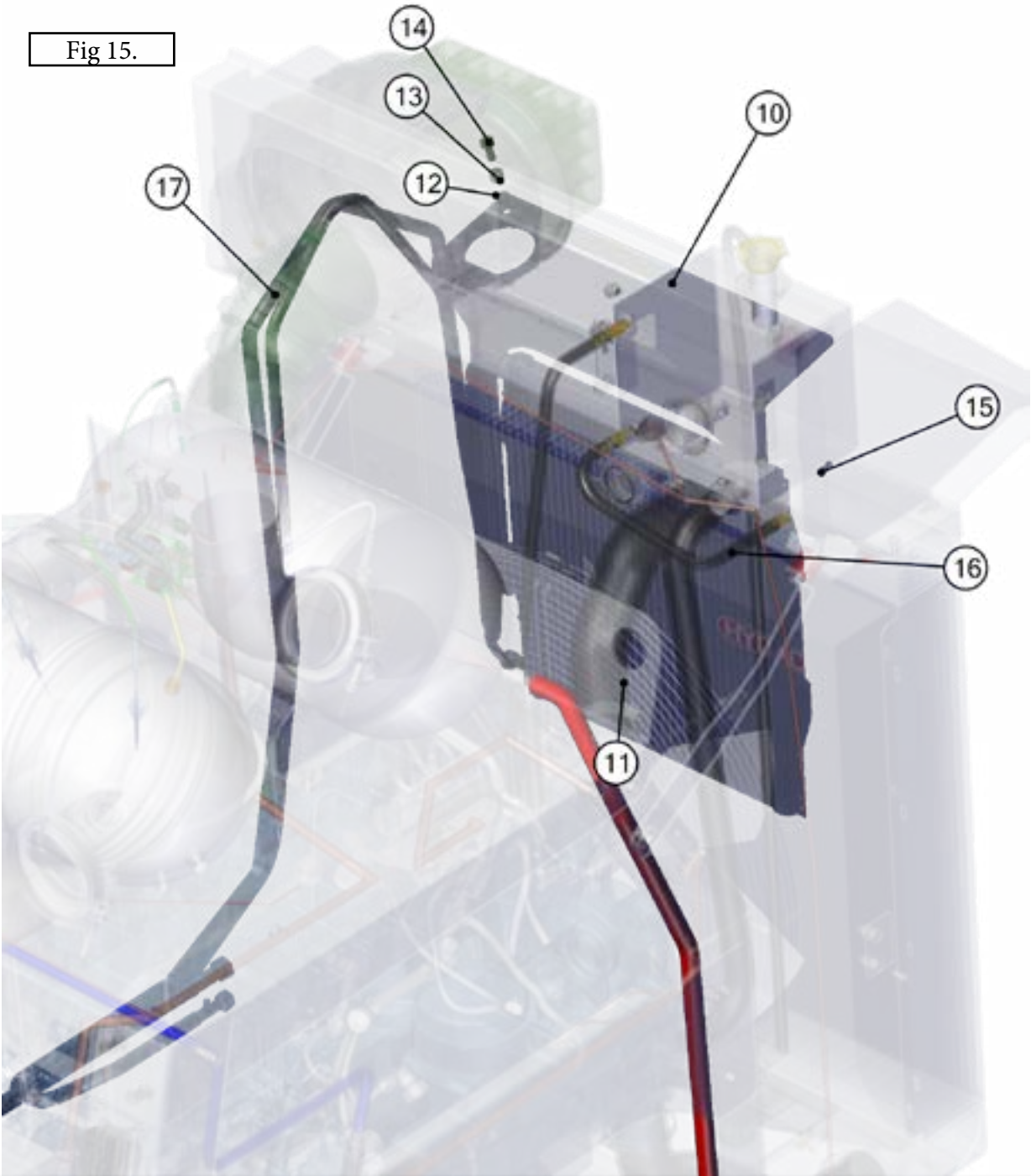


Item Number	Part Number	Description	Qty
1	32115093	ASY, FUEL TANK	1
2	32110408	CAP, FUEL	1
3	00002000	HHCS 3/8 NC 3/4 PL5	4
4	32110895	FW, M6, 10.9 ZP	6
5	02969728	HHCS M6 - 1.0 X 20MM	3
6	02998439	NYLOCK NUT, M6 x 1.0	3
7	86671187	CLAMP HOSE	2
8	32113591	SPACER, 3/4ODX3/8IDX3/8	4
9	32123813	FW, FENDER, 3/8, 1-1/2 OD	4
10	32112279	PLATE, CONDENSER MOUNT	1
11	80763073	CONDENSOR, AC	1
12	88681485	WASHER, M10	4
13	32113488	NUT, TPLK, M10-1.5, CLS 10 ZN	3
14	32120326	HHCS, M10-1.5 X 25MM, 10.9	4
15	88681406	HHCS, M5-0.8 X 16mm LG	4
16	02998438	NUT, NYLN INST, M5 X 0.8, PL	4
17	32113512	HS-8,1/2TB_FX90,1/2TB_FXHP,128	1
18	00751543	HOSECLAMPFOR#6HOSE	2
20	32111071	VALVE, VENT	1
21	32112438	SHEET, FUEL TANK VENT	1

Fig 14.

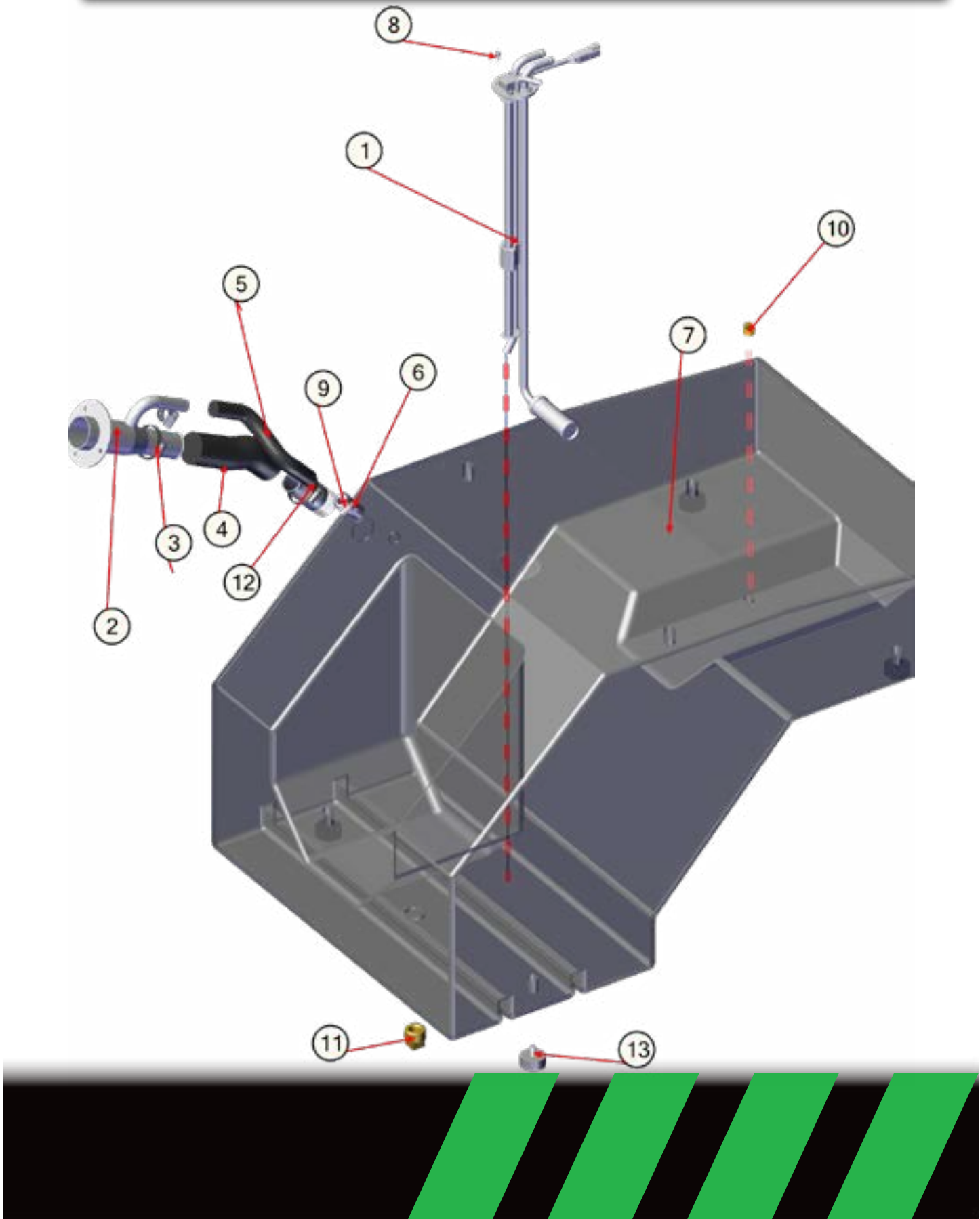


Fig 15.



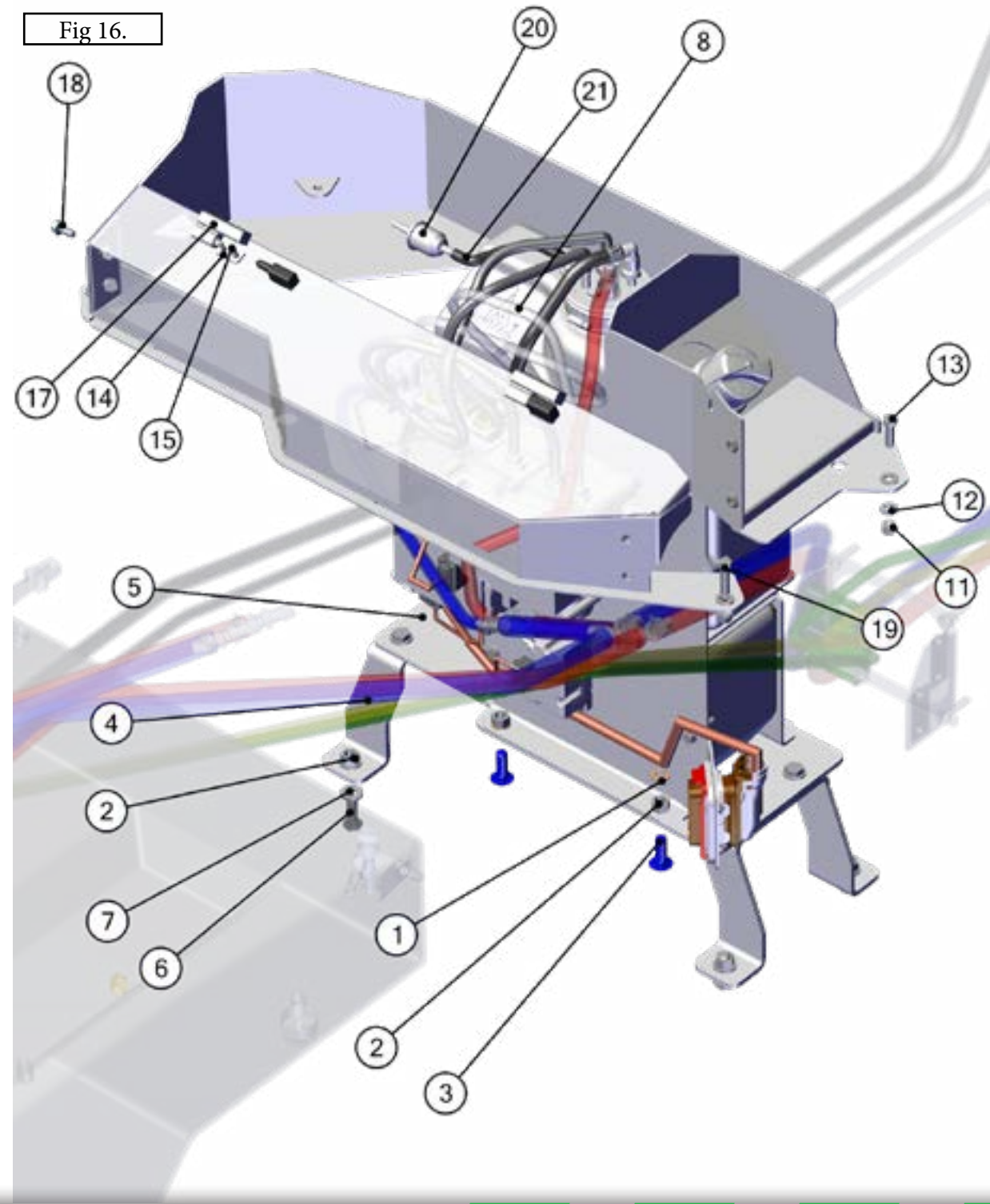
Item Number	Part Number	Description	Qty
1	32115093	ASY, FUEL TANK	1
2	32110408	CAP, FUEL	1
3	00002000	HHCS 3/8 NC 3/4 PL5	4
4	32110895	FW, M6, 10.9 ZP	6
5	02969728	HHCS M6 - 1.0 X 20MM	3
6	02998439	NYLOCK NUT, M6 x 1.0	3
7	86671187	CLAMP HOSE	2
8	32113591	SPACER, 3/4ODX3/8IDX3/8	4
9	32123813	FW, FENDER, 3/8, 1-1/2 OD	4
10	32112279	PLATE, CONDENSER MOUNT	1
11	80763073	CONDENSOR, AC	1
12	88681485	WASHER, M10	4
13	32113488	NUT, TPLK, M10-1.5, CLS 10 ZN	3
14	32120326	HHCS, M10-1.5 X 25MM, 10.9	4
15	88681406	HHCS, M5-0.8 X 16mm LG	4
16	02998438	NUT, NYLN INST, M5 X 0.8, PL	4
17	32113512	HS-8, 1/2TB_FX90, 1/2TB_FXHP, 128	1
18	00751543	HOSECLAMPFOR#6HOSE	2
20	32111071	VALVE, VENT	1
21	32112438	SHEET, FUEL TANK VENT	1

ASY, FUEL TANK Mantis P/N 32115093



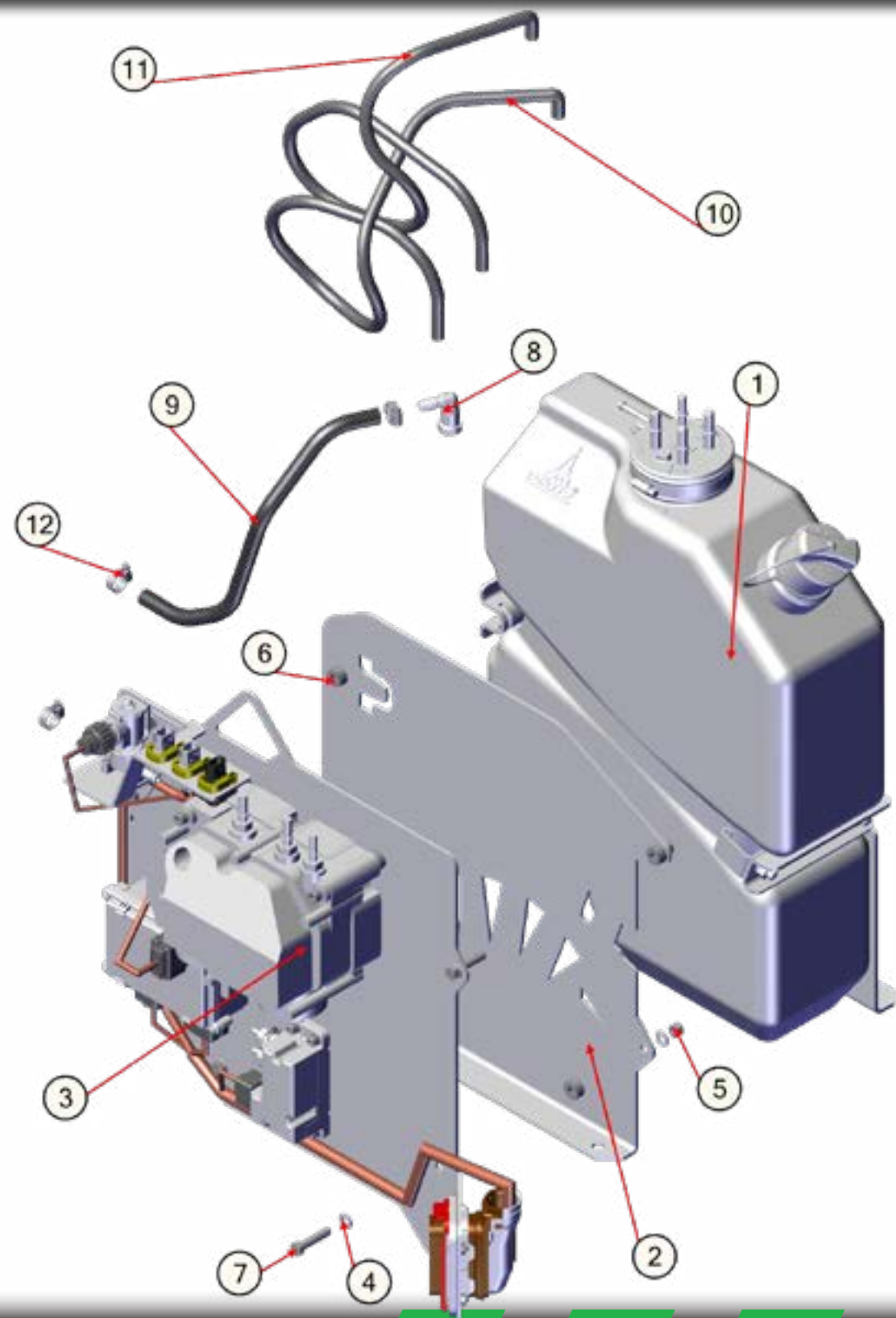
ASY, FUEL TANK Mantis P/N 32115093

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32113589	FUEL SENDING UNIT, MANTIS	1
2	32110649	FILLER NECK, FUEL	1
3	32110741	CLAMP, LINED HOSE 1.75"	2
4	32112341	HOSE, FUEL 1-1/2"ID X 7"LG	1
5	32112340	HOSE, FILL BREATHER, MANTIS	1
6	84712748	FITTING, M STR 1/2NPTF x -12HB	1
7	32113692	FUEL TANK, ROTOMOLD	1
8	32120710	SHCS, #10-32 X 3/8"	5
9	86671187	CLAMP HOSE	2
10	32123818	PLUG, 3/8 NPT MALE, BRASS	1
11	32123817	PLUG, 1" NPT MALE, BRASS	1
12	32113592	HYD ADP, 1-1/4 MP X 1-1/2 BARB	1
13	32113590	ISOLATOR, 3/8-16, SNG STUD, 375#	4



Item Number	Part Number	Description	Qty
1	158800	WASHER 1/2 SAE P	4
2	00001800	LOCKNUT TLM 1/2 NC PLB	12
3	02886900	CARS 1/2 NC 1-1/2 PL5	4
4	32112358	PLATE, DEF SUPPORT	2
5	32112356	PLATE, DEF MOUNT, MANTIS 2	1
6	02892000	HHCS 1/2NC 1-1/2 LG PL8	8
7	00759635	FLATWASHER, 1/2 HARDENED	16
8	32115094	ASY, DEF TANK/PUMP	1
9	32116193	WLDMT, BASE, DEF COVER	1
10	32116196	WLDMT, DEF COVER, CAB SIDE	1
11	32121899	NYLOCK, 3/8-16, ZC	4
12	158600	WASHER 3/8 SAE P	8
13	00753642	HHCS 3/8 NC 1-1/4 PL5	3
14	32111061	PLATE, DOOR SPACER	2
15	32111062	HHCS, M5 NC X 20, 10.9 ZP	4
16	32111063	FW, M5, 10.9 ZP	4
17	32111059	HINGE, LIFT OFF, LH	2
18	32113480	FLCS, M8-1.25 X 20MM, 8.8 ZP	2
19	00023100	HHCS 3/8 X 1-1/2 NC PL GR5	1
20	32113669	VENT, DEF TANK, FILTER	1
21	32112434	HOSE, VENT, 1/4" ID, 6" LONG	1

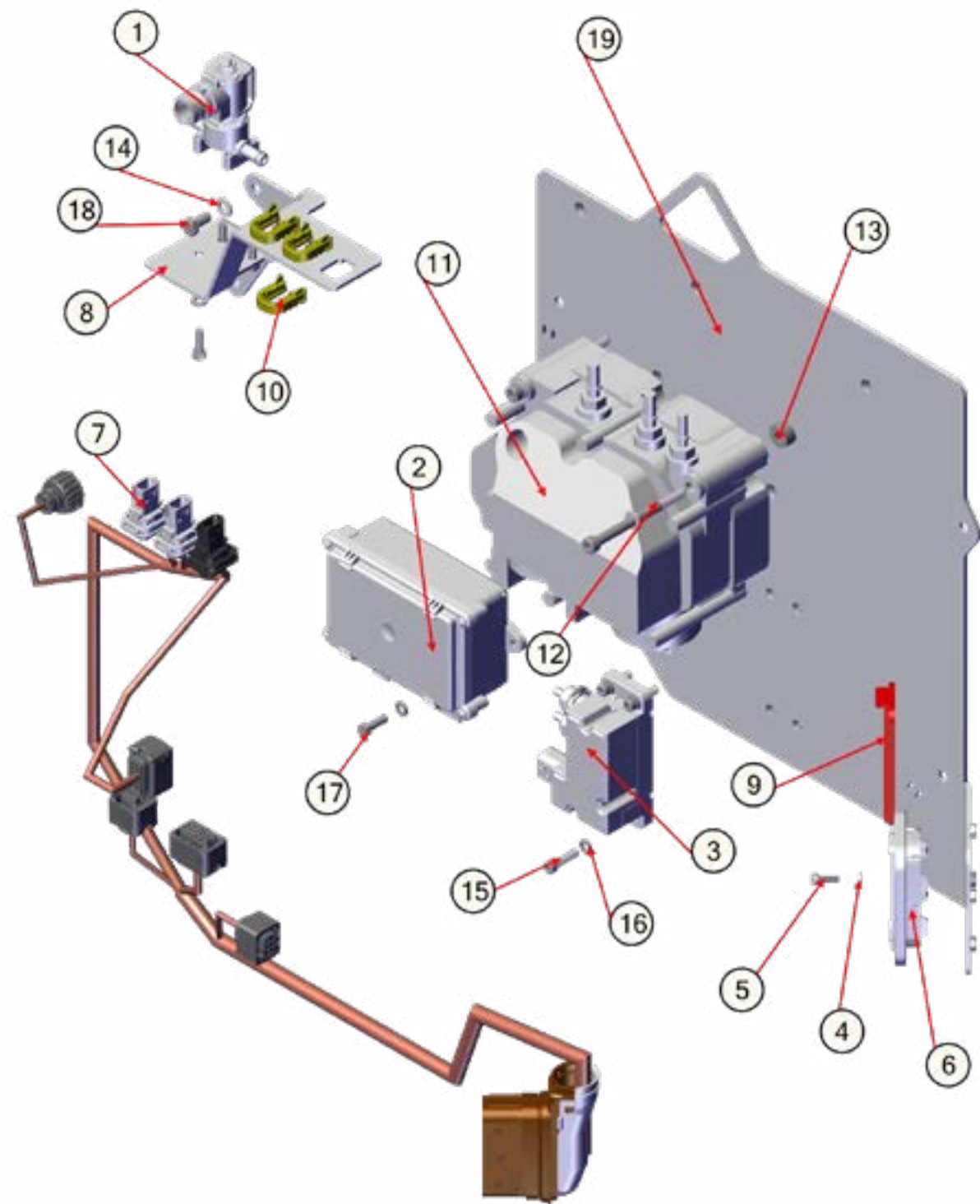
ASY, DEF TANK/PUMP, Mantis P/N 32115094



ASY, DEF TANK/PUMP, Mantis P/N 32115094

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32113551	TANK, DEF, 20L, FRONT	1
2	32112353	PLATE, DEF COMP MOUNT	1
3	32115092	ASY, DEF CONTROL PLATE	1
4	32110403	FW, M8, 10.9 ZP	8
5	02999069	NYLOCK NUT, M8 x 1.25	4
6	32113621	SPACER, NYLON, M8 ID X 3/8LG	4
7	32111335	HHCS, M8 NC X 40, 10.9 ZP	4
8	32113586	FTG, 10MM F PTC-3/8 M BRB-90	1
9	32112347	HOSE, COOLANT, 3/8" ID X 15"	1
10	32113593	HOSE, INLET, DEF, 1M	1
11	32113594	HOSE, BACKFLOW, DEF, 1M	1
12	32113473	CLAMP, WORM DRIVE, 5/16-7/8	3

ASY, DEF CONTROL PLATE, Mantis P/N 32115092



ASY, DEF CONTROL PLATE, Mantis P/N 32115092

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32113553	VALVE,COOLANT,DEFTANK	1
2	32113554	BOX,RELAY,DEFHEATER	1
3	32113555	DEF QUALITY SENSOR	1
4	32111063	FW, M5, 10.9 ZP	4
5	32113618	SHCS, M5-0.8 X 16MM, 12.9 ZN	4
6	32113299	BLKHD, AMP, HSG 39	1
7	32113258	HARNESS, DEF	1
8	32112357	PLATE, DEF SOLE/HEAT MNT	1
9	32113298	SLIDE, AMP, HSG 39	1
10	32113620	SLIDE, AMP, HSG 2, 3MM	3
11	32113552	PUMP, CONTROL, DEF	1
12	32113619	SHCS, M8-1.25 X 95MM, PL	3
13	32113621	SPACER, NYLON, M8 ID X 3/8LG1	3
14	32110403	FW, M8, 10.9 ZP	4
15	32113496	SHCS, M6-1.0 X 25MM, ZN	4
16	32110895	FW, M6, 10.9 ZP	10
17	02969728	HHCS M6 - 1.0 X 20MM	6
18	32111314	HHCS, M8 NC X 16, 10.9 ZP	1
19	32116194	WLDMT, DEF CONSOLE	1

Spare Parts			
Parent Part	Part Number	Description	Qty
32113552	32113715	FILT ELMT, DEF, DEUTZ 5.2	1

PARTS-4
HYDRAULICS

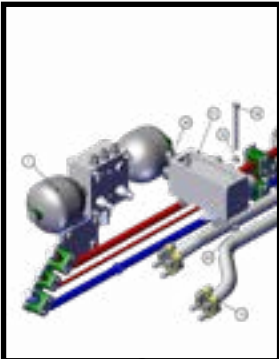


Fig 17.

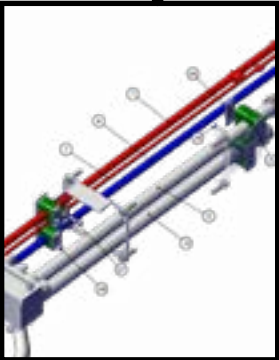
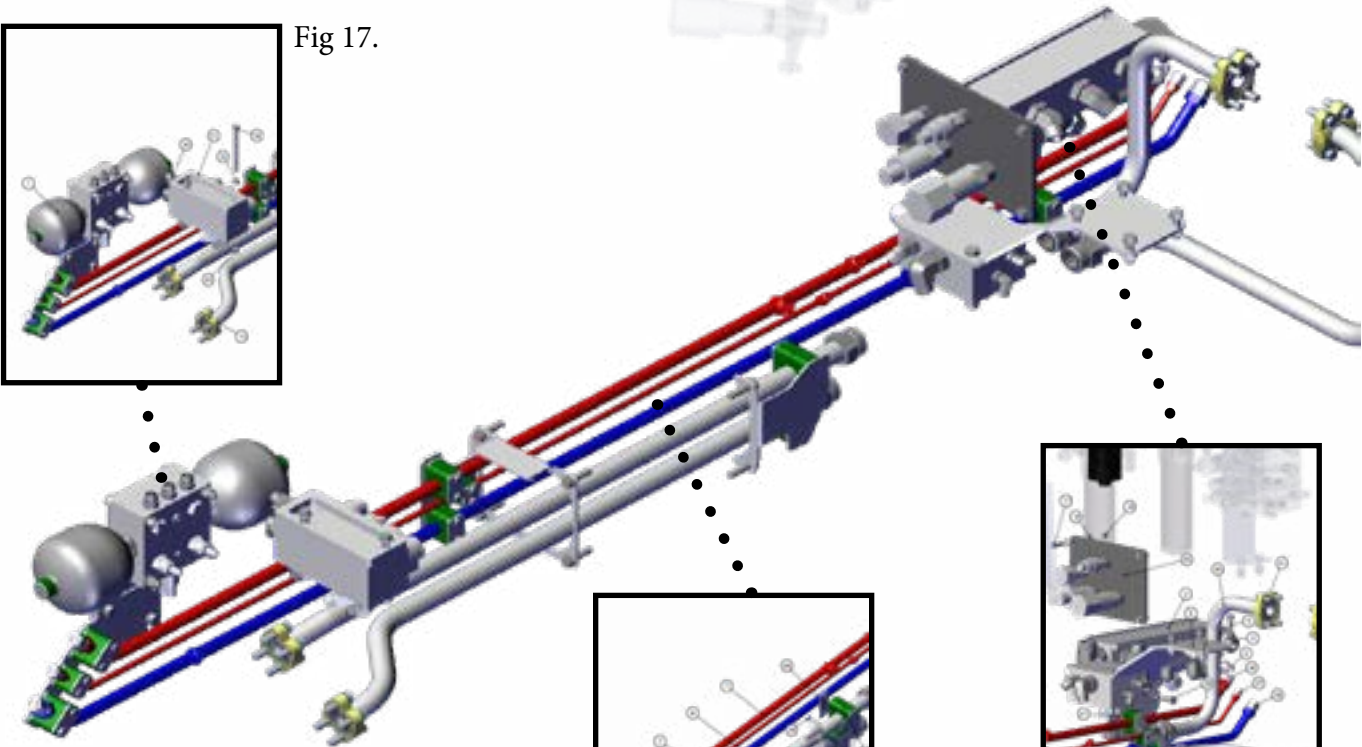


Fig 18.

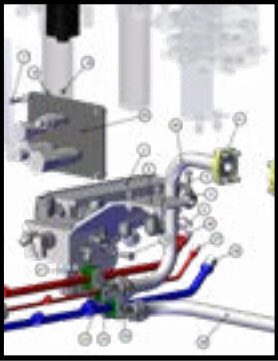
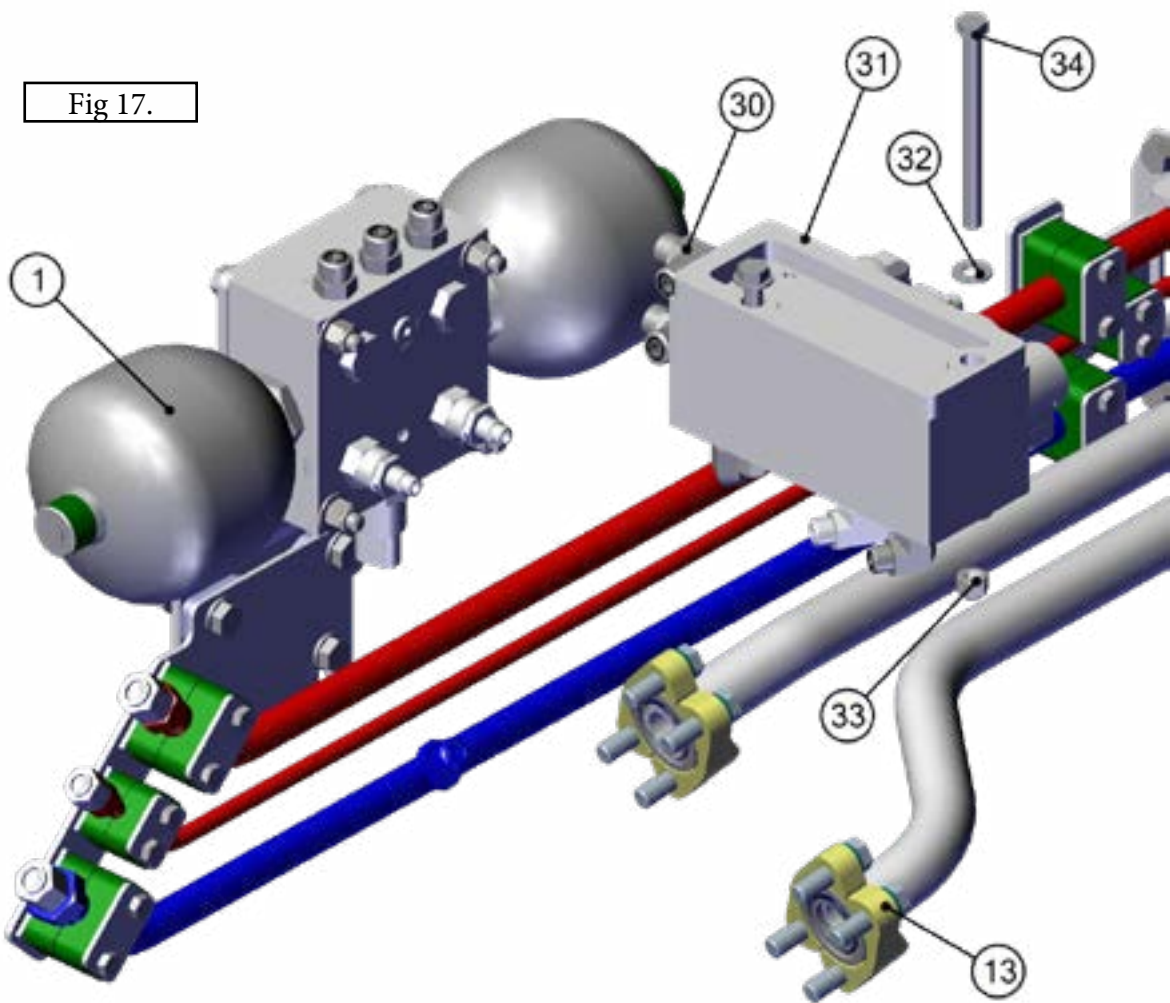
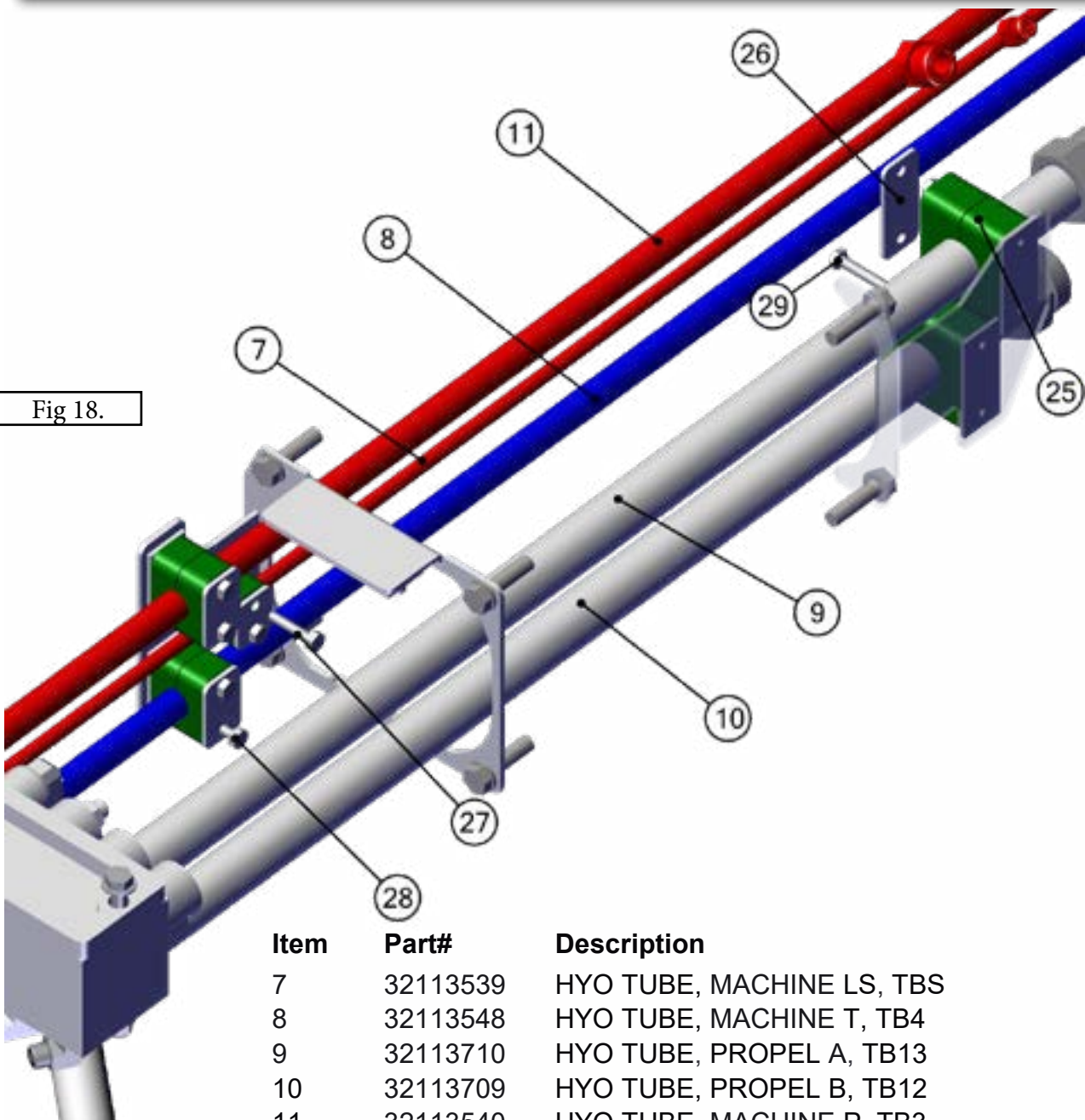


Fig 19.



Item	Part#	Description	Qty
1	32115085	ASY, BRAKE MANIFOLD	1
13	32123443	KIT, FLANGE, METRIC #16 C62	2
30	32115089	ASY, MANIFOLD, CHARGE CTRL	1
31	32112312	PLATE, MANIFOLD SPACER, MANTIS	1
32	158600	WASHER 3/8 SAE P	4
33	32121899	NYLOCK, 3/8-16, ZC	2
34	02972565	HHCS 3/8 NC 4-1/2 PL5	2



Item	Part#	Description	Qty
7	32113539	HYO TUBE, MACHINE LS, TBS	1
8	32113548	HYO TUBE, MACHINE T, TB4	1
9	32113710	HYO TUBE, PROPEL A, TB13	1
10	32113709	HYO TUBE, PROPEL B, TB12	1
11	32113540	HYO TUBE, MACHINE P, TB3	1
25	32123770	HYO CLMP, CTR PAIR, 1-1/4" GP5	2
26	32123772	PLATE, COVER, HYO CLAMP, GRP 5	2
27	02153100	HHCS 1/4NC-1-1/4 PL GR5	6
28	10062000	HHCS 1/4NC-1-1/2 PL GR5	12
29	32123780	HHCS 1/4-20 X 2-3/8 PL5	4

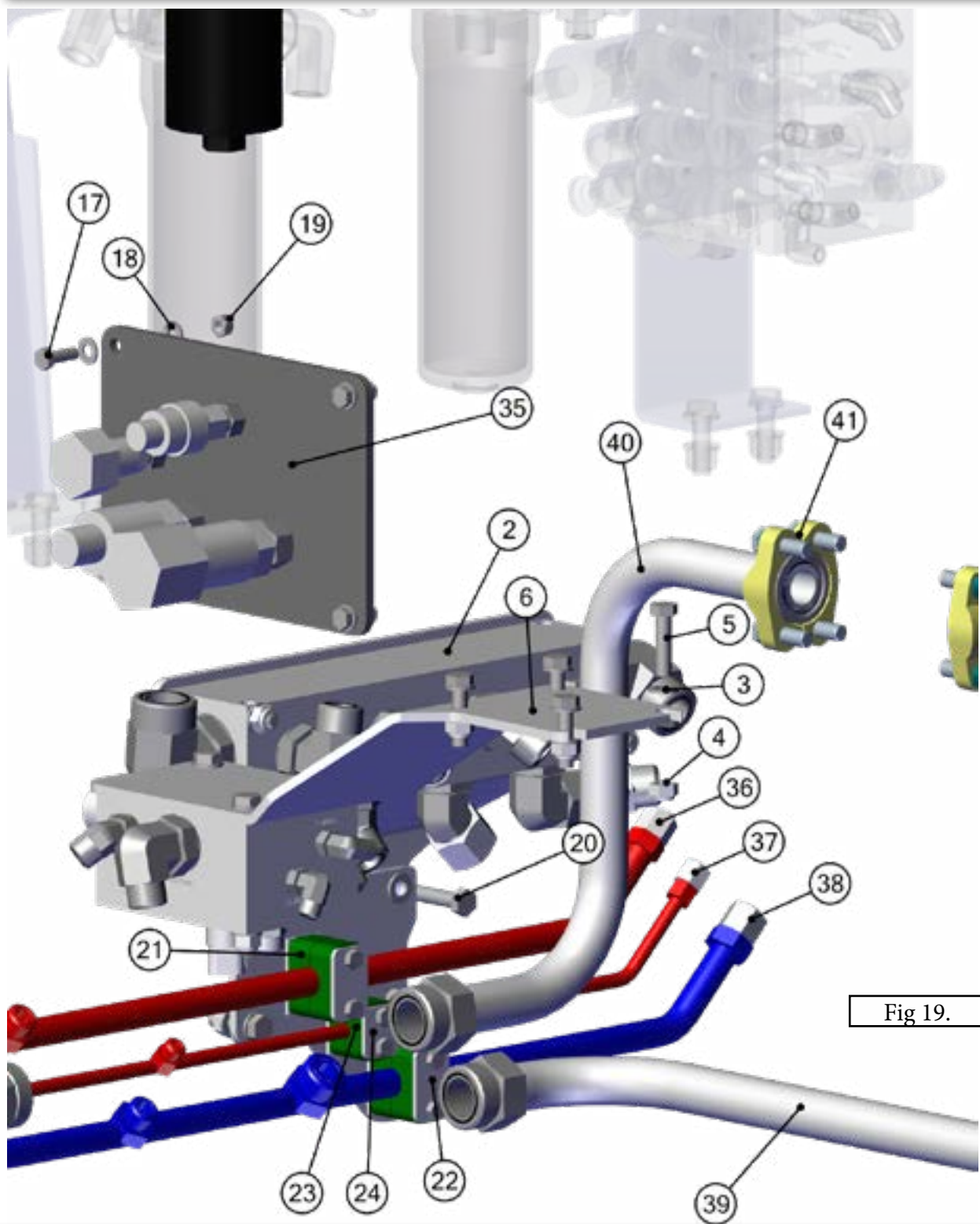
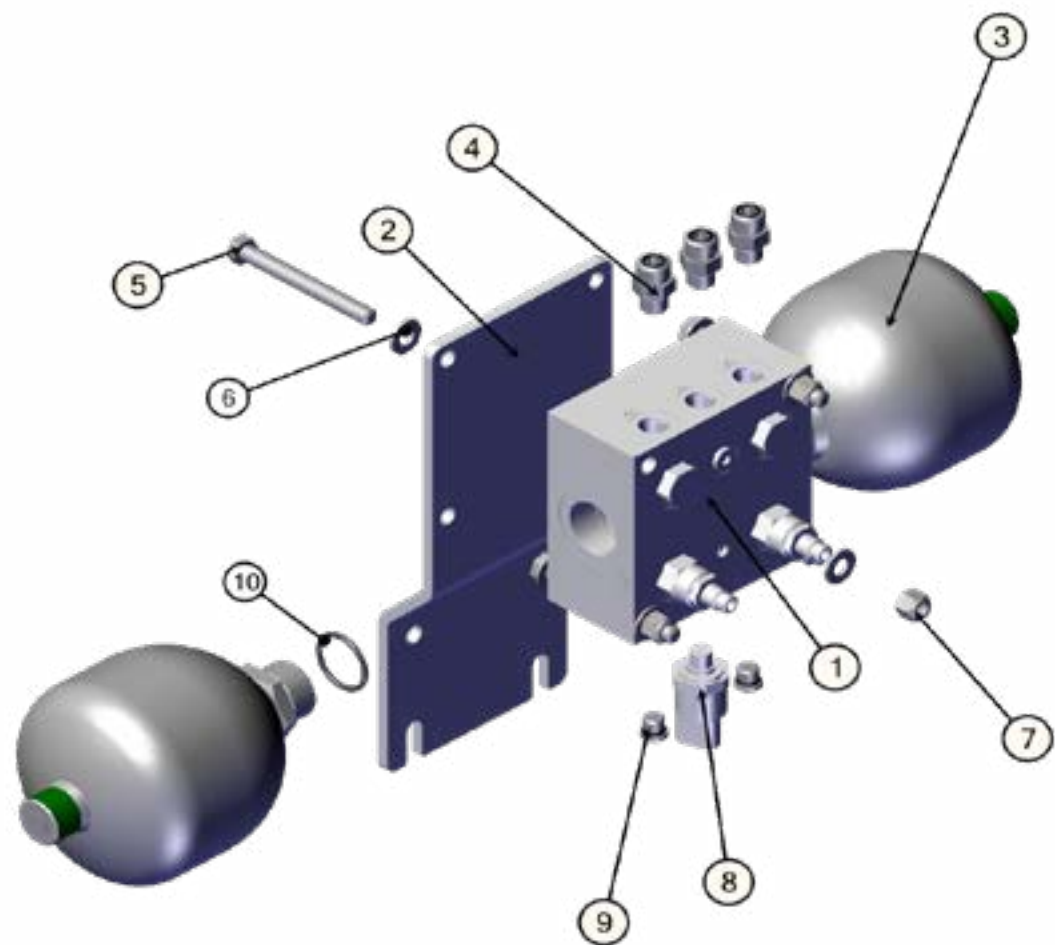


Fig 19.

Item	Part#	Description	Qty
2	32115081	ASY, MANIFOLD, CASE DRAIN	1
3	88681485	WASHER, M10	30
4	83191030	NYLOCK NUT	12
5	02961228	METRIC BOLT M10-P1.5 -40MM	14
6	32115084	ASY, LS MANIFOLD	1
17	00753723	HHCS, M8-P1.25 x 25mm PL10.9	4
18	00023500	FLATWASHER 5/16, TYPE AW, ZP	8
19	02999069	NYLOCK NUT, M8 x 1.25	4
20	00756328	HHCS, M10-P1.5 x 45mm PL10.9	4
21	32123764	HYO CLAMP, CTR PAIR, 3/4" GRP 3	6
22	32123766	PLATE, COVER, HYO CLAMP, GRP 3	6
23	32123767	HYO CLAMP, CTR PAIR, 3/8" GP 1A	3
24	32123769	PLATE, COVER, HYO CLAMP, GP 1A	3
35	32115132	ASY, CENTER ATTCH QD, MANTIS	1
36	32122656	HYO FTG, 06FF, CAP	3
37	02999328	HYO FTG, 04FF, CAP	2
38	02998991	ADP HYO, 08FFX, CAP	1
39	32113707	HYO TUBE, PROPEL B, TB20	1
40	32113708	HYO TUBE, PROPEL A, TB21	1
41	02995006	KIT, FLANGE, #16 CODE 62	2

ASY, BRAKE MANIFOLD , Mantis P/N 32115085



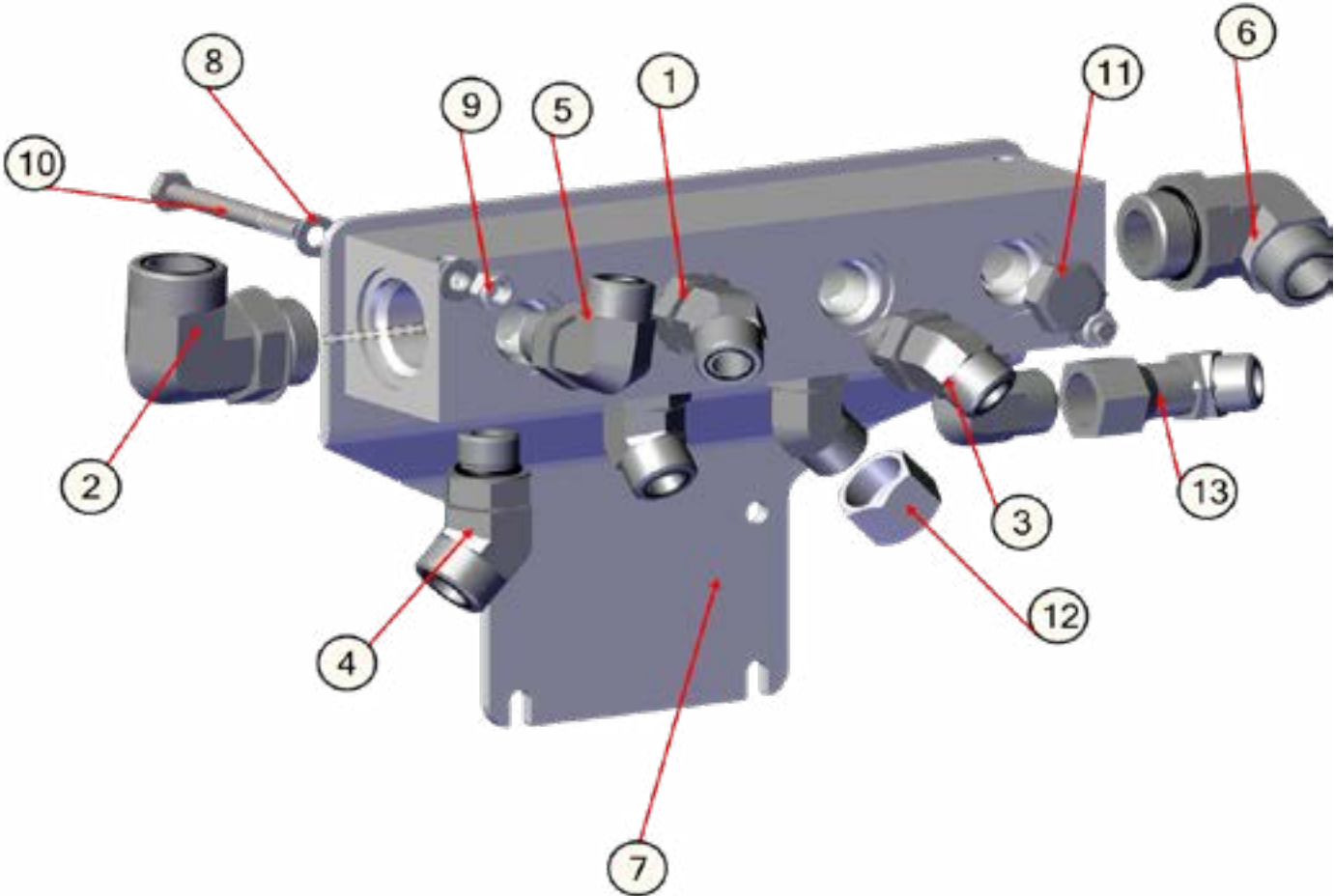
ASY, BRAKE MANIFOLD , Mantis P/N 32115085

Item Number	Part Number	Description	Qty
1	32113223	MANIFOLD, SVC BRAKE	1
2	32112287	PLATE, BRAKE MANF MOUNT	1
3	32113533	ACCUMULATOR, SVC BRAKE	2
4	02999231	HYO ADP FTG, 06MB-06MF	3
5	02957009	HHCS 3/8 NC 3-1/2 PL5	4
6	158600	WASHER 3/8 SAE P	8
7	32121899	NYLOCK, 3/8-16, ZC	4
8	32113435	SENSOR, PRESSURE, 500PSI	1
9	32123408	HYO PLUG, 04MB, SH	2
10	000745	ORING	2

Spare Parts

Parent Part	Part Number	Description	Qty
32113223	32124678	VALVE, CHECK	2
32113223	32124691	VALVE, NEEDLE	2

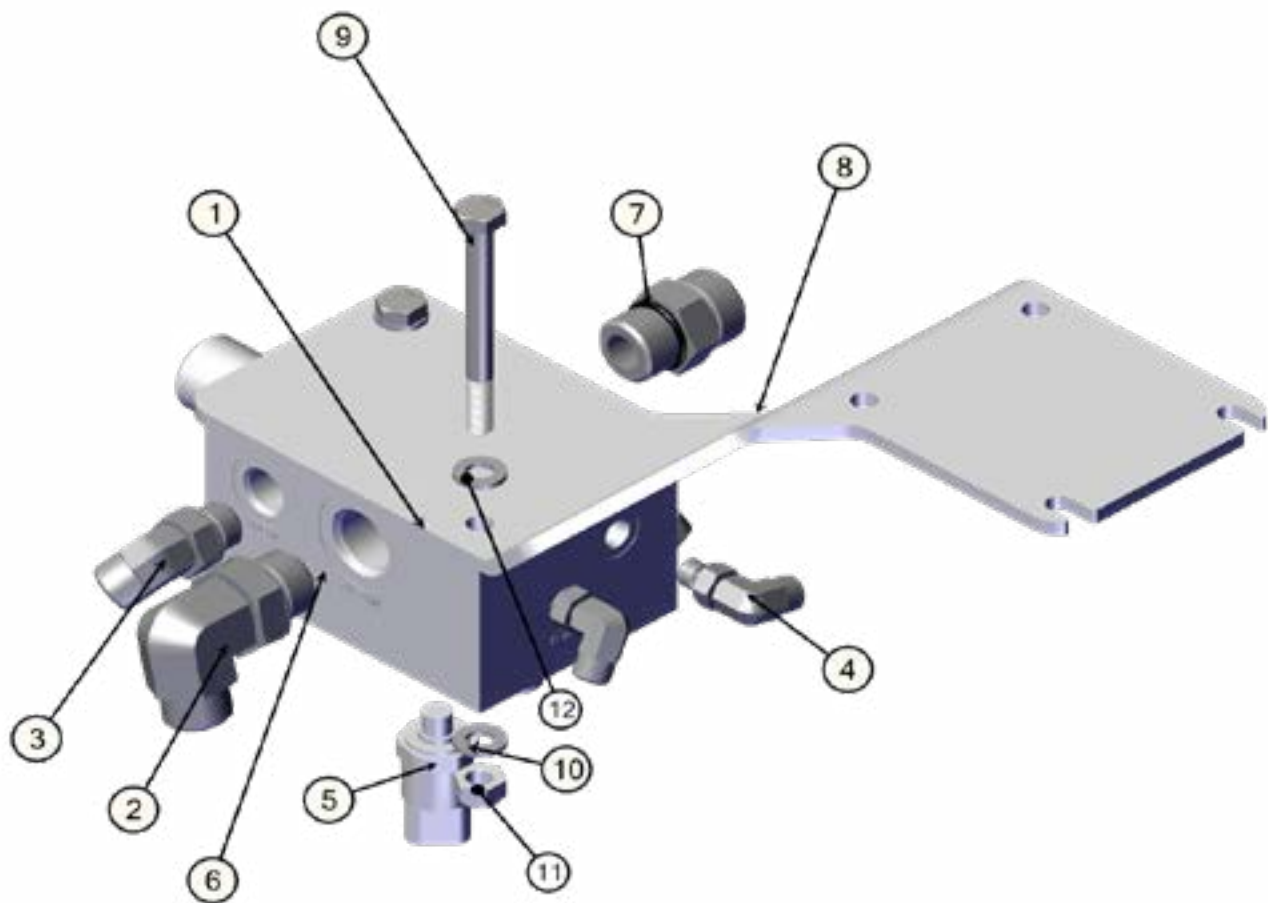
ASY, MANIFOLD, CASE DRAIN , Mantis P/N 32115081



ASY, MANIFOLD, CASE DRAIN , Mantis P/N 32115081

Item Number	Part Number	Description	Qty
1	32113246	MANIFOLD, CASE DRAIN	1
2	32123455	HYO ADP, 20MB-20MF-90	1
3	02999474	HYO ADP, 12MB-12MF 45	4
4	02998822	HYO ADP, 12MB X 16MF X 45	1
5	32121438	HYO ADP, 12MB X 12MF - 90	2
6	32123452	HYO ADP, 16MF-20MB-90	1
7	32112288	PLATE, CD MANF MOUNT	1
8	88681485	WASHER, M10	4
9	83191030	NYLOCK NUT	2
10	32113534	HHCS M10 X 1.5, 100MM 10.9	2
11	00724357	HYO. FITTING, 12MB PLUG	1
12	02999327	HYO FTG, 12FF, CAP	1
13	MVSF0271	HYO FTG 12FFX-12MF 45	1

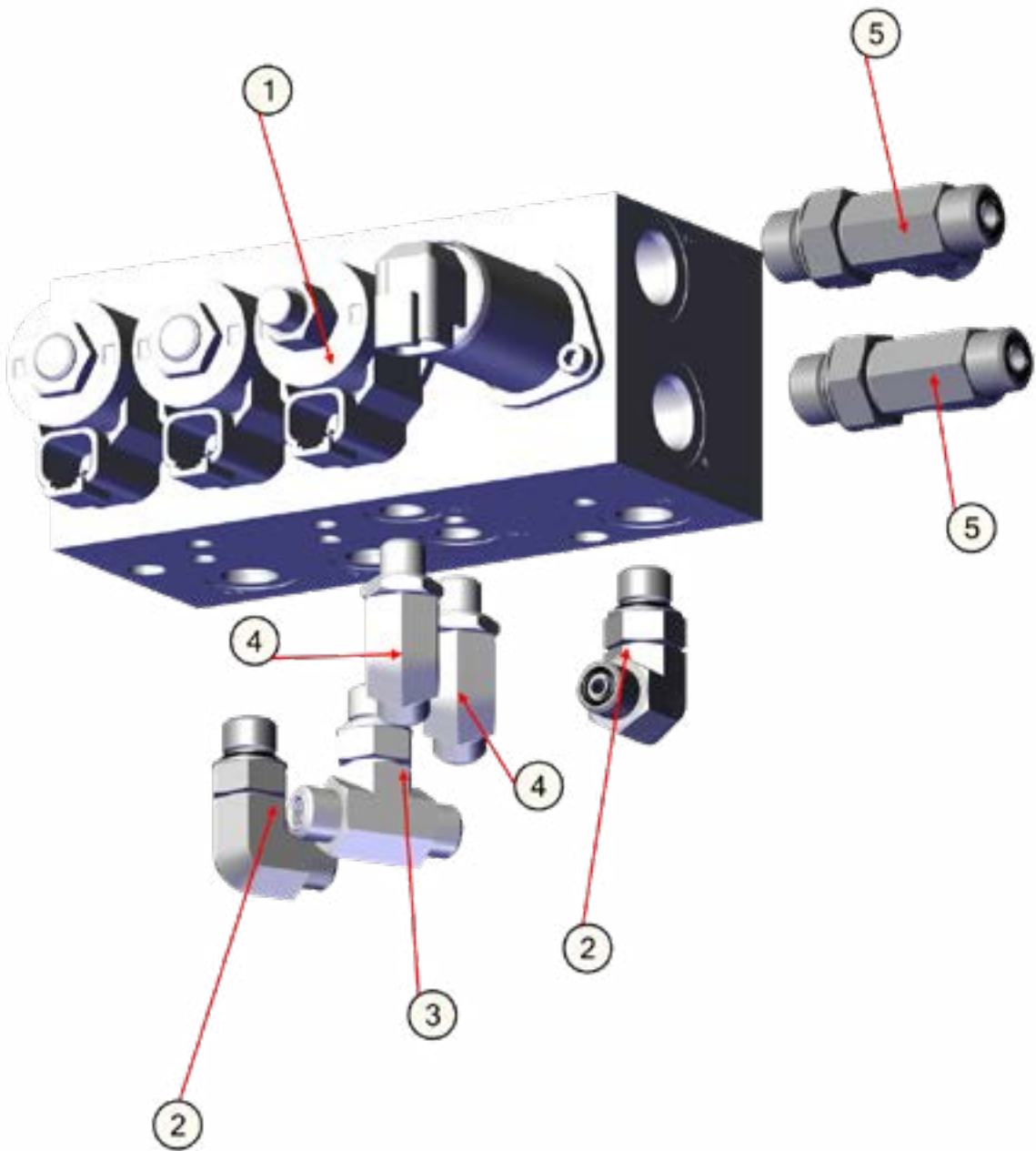




Item Number	Part Number	Description	Qty
1	32113224	MANIFOLD, STEER PRIORITY	1
2	32113541	HYO ADP, 12MB-10MF90	1
3	32113025	HYO ADP, 08MB X 08MF X 45	1
4	02998425	HYO ADP FTG, 04MF X 04MB X 90	3
5	32113436	SENSOR, PRESSURE, 5000PSI	1
6	02961940	PLUG HEX HD 4MB	2
7	32123435	HYO ADP, 12MB-12MF	1
8	32112306	PLATE, STRG MANI MNT, MANTIS	1
9	32113534	HHCS M10 X 1.5, 100MM 10.9	2
10	88681485	WASHER, M10	3
11	83191030	NYLOCK NUT	2
12	88681485	WASHER, M10	1

Spare Parts

Parent Part	Part Number	Description	Qty
32113224	32124688	VALVE, DIRECTIONAL	1
32113224	32124694	VALVE, PRIORITY	1
32113224	32123309	VALVE, LS SHUTTLE	1



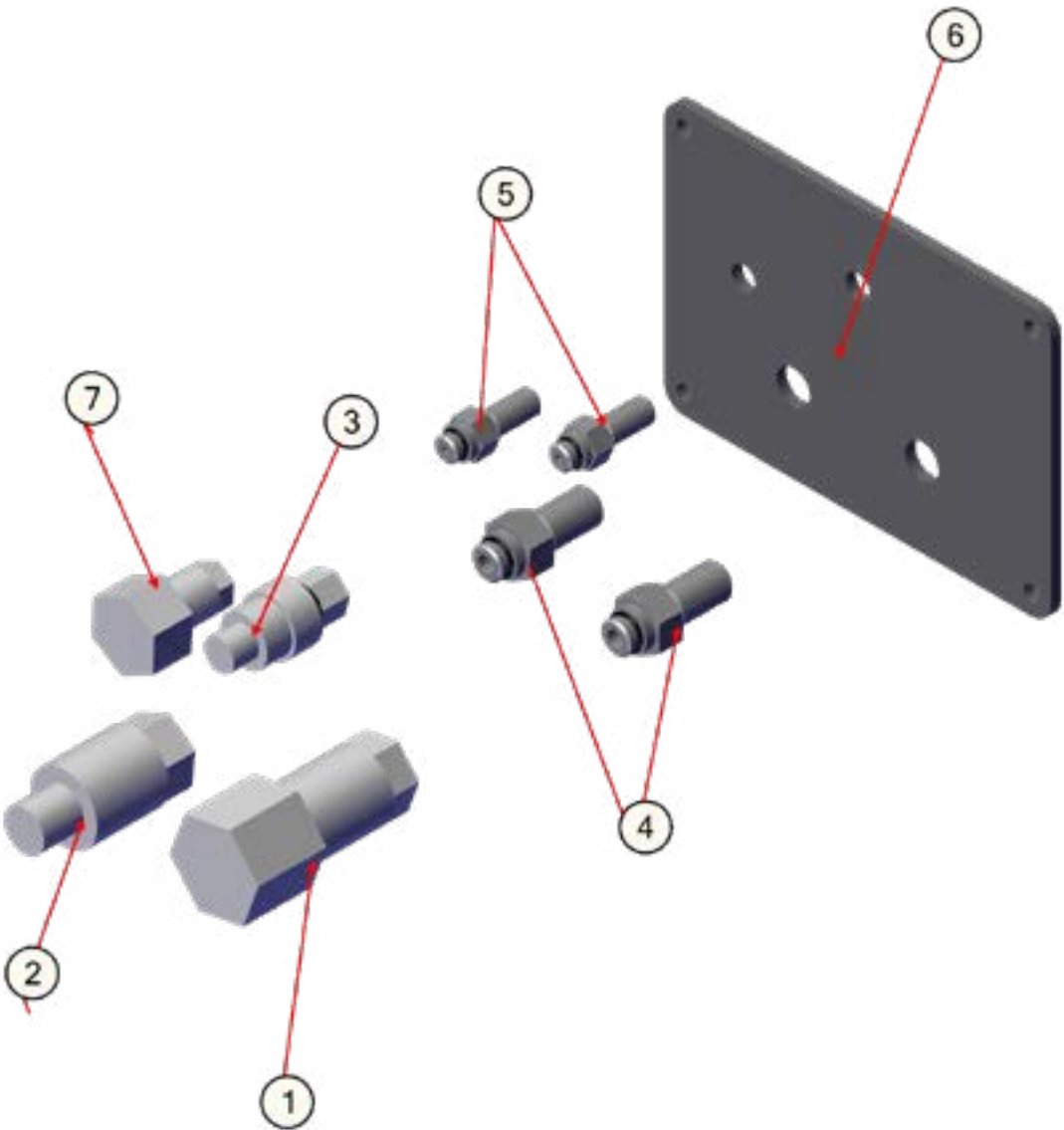
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32113226	MANIFOLD, CHARGE CTRL	1
2	02998820	HYO ADP, 04MF X 06MB X 90	2
3	32122926	HYO ADP,BR TEE, 04MF-04MF-06MB	1
4	02998423	HYO ADP FTG, 04MB-04MF-45	2
5	32122928	HYO TEE, 08MB-06MF-06MF RUN	2

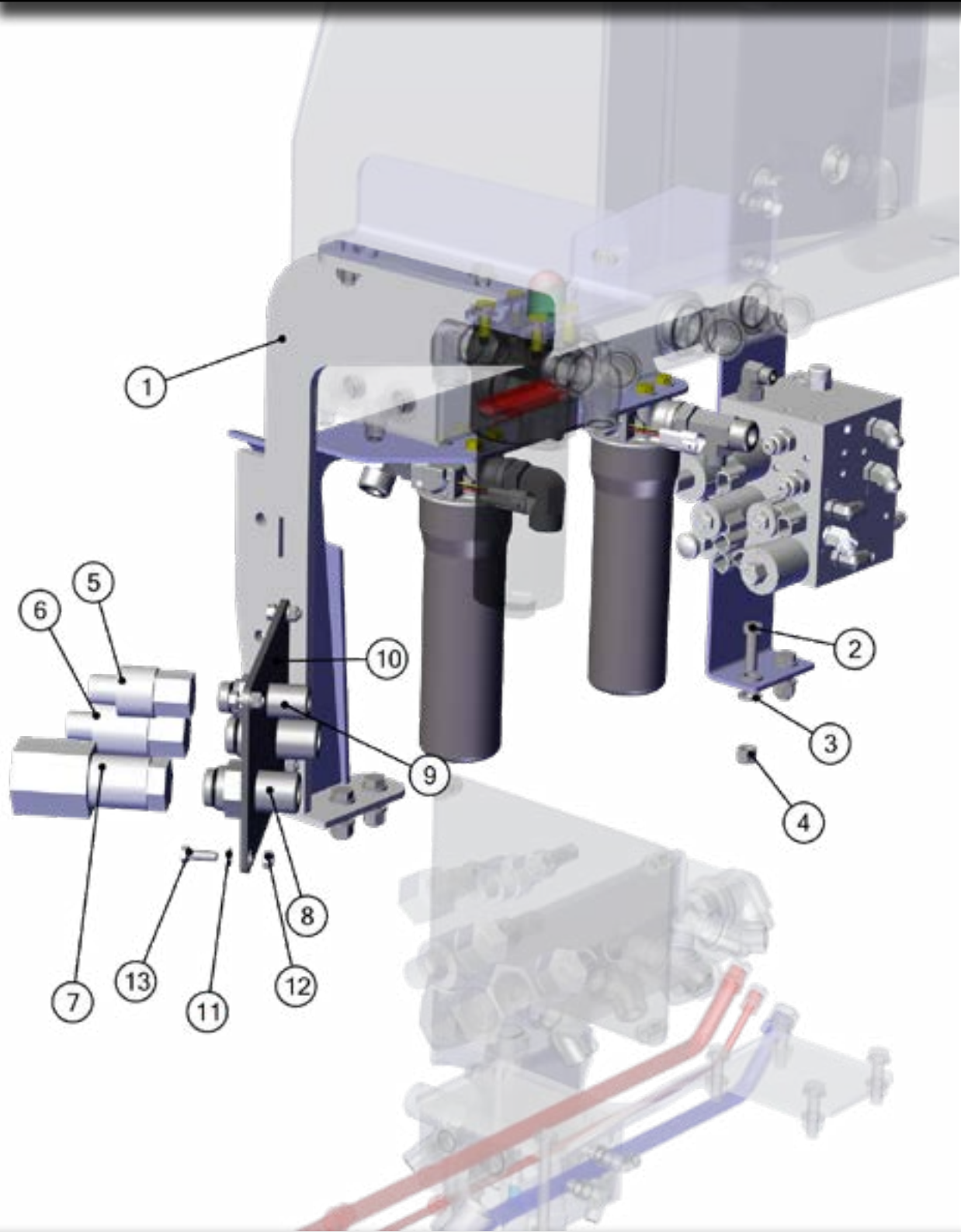
Spare Parts			
Parent Part	Part Number	Description	Qty
32113226	32124683	VALVE, CONTROL	2
32113226	32124684	VALVE, CONTROL	1
32113226	32124693	VALVE, PRESSURE REDUCING	1
32113226	02995447	COIL, CONTROL	3

ASY, CENTER ATTCH QD, , Mantis P/N 32115132

ASY, CENTER ATTCH QD, , Mantis P/N 32115132

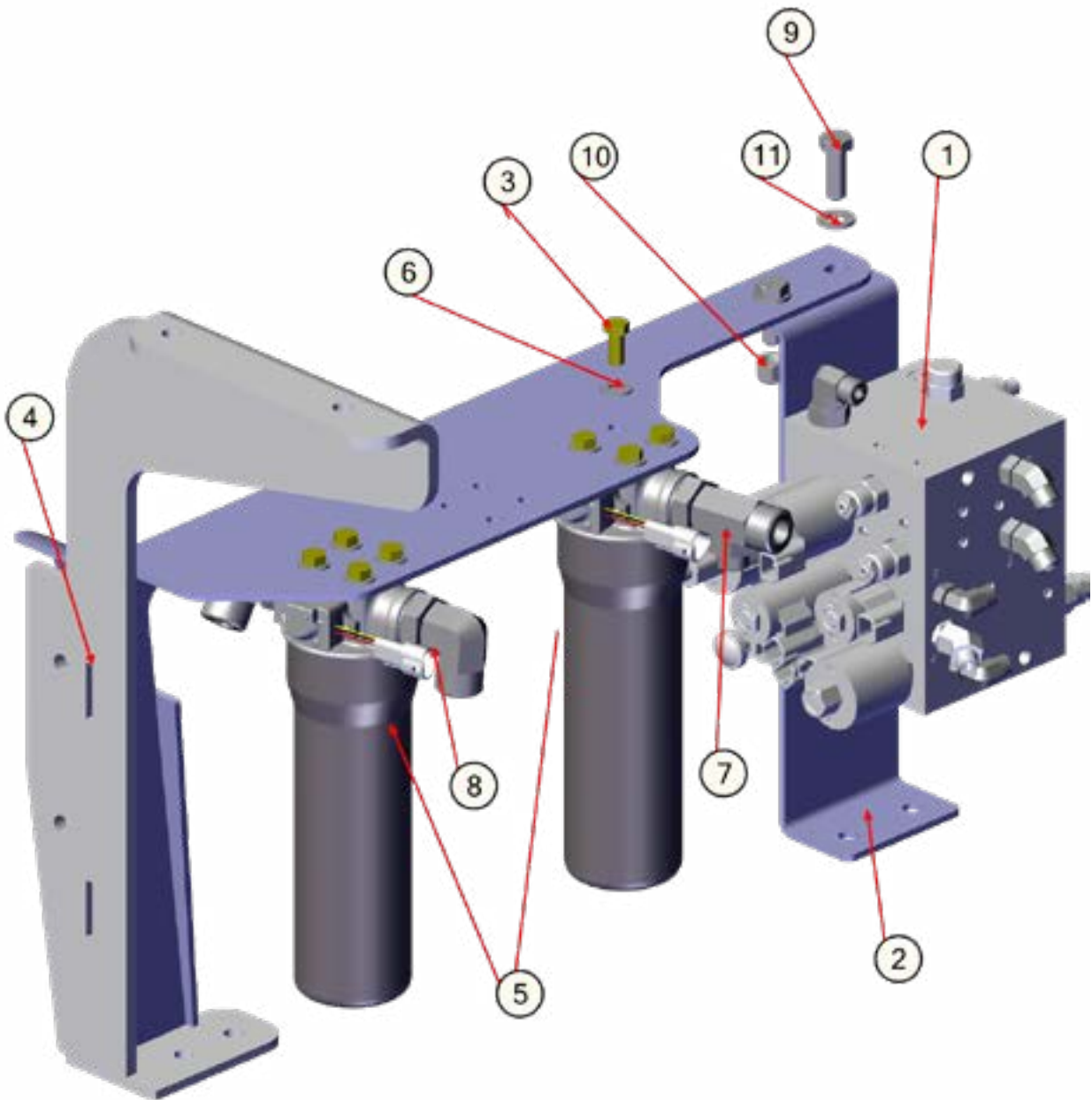
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32110908	QUICK DISCONNECT, FSI 08 F	1
2	32110909	QUICK DISCONNECT, FSI 08 M	1
3	32113535	QUICK DISCONNECT, 04 MALE	1
4	88662911	HYD ADP, 08MB-08MF, BULKHEAD	2
5	32113542	HYO ADP, 06MB-04MF, BULKHEAD	2
6	32112303	PLATE, BLKHD, CTR HYO CTRL	1
7	32124115	QUICK DISCONNECT 04F	1





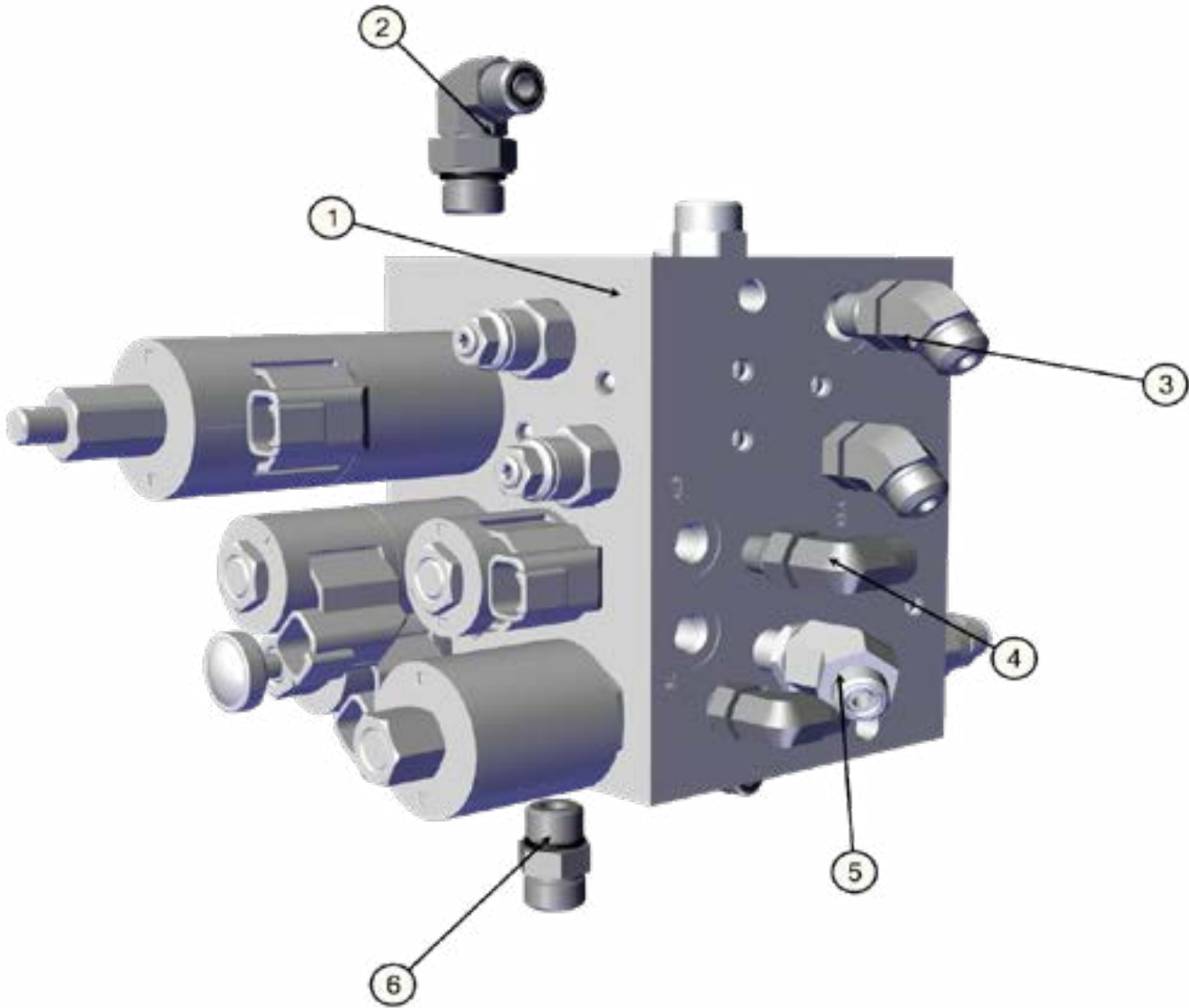
Item Number	Part Number	Description	Qty
1	32115088	ASY, TANK STAND	1
2	02980720	HHCS M12-P1.75 X 40 PL10.9	5
3	02998042	M12 X 24MM WASHER PLT	10
4	32113537	LOCKNUT, M12 X 1.75, NYLOCK	5
5	02996761	QUICK DISCONNECT, FSI 12 M	1
6	02996757	QUICK DISCONNECT, FSI 16 M	1
7	02996758	QUICK DISCONNECT, FSI 16 F	1
8	32123446	HYO ADP, 16MB-16MF BLKHD	2
9	32123436	HYO ADP, 12MB-12MF BLKHD	1
10	32112317	PLATE, FRONT BEZEL	1
11	00024100	FLATWASHER STD 1/4 PL	8
12	02999069	NYLOCK NUT, M8 x 1.25	4
13	00753723	HHCS, M8-P1.25 x 25mm PL10.9	4

ASY, TANK STAND, Mantis P/N 32115088



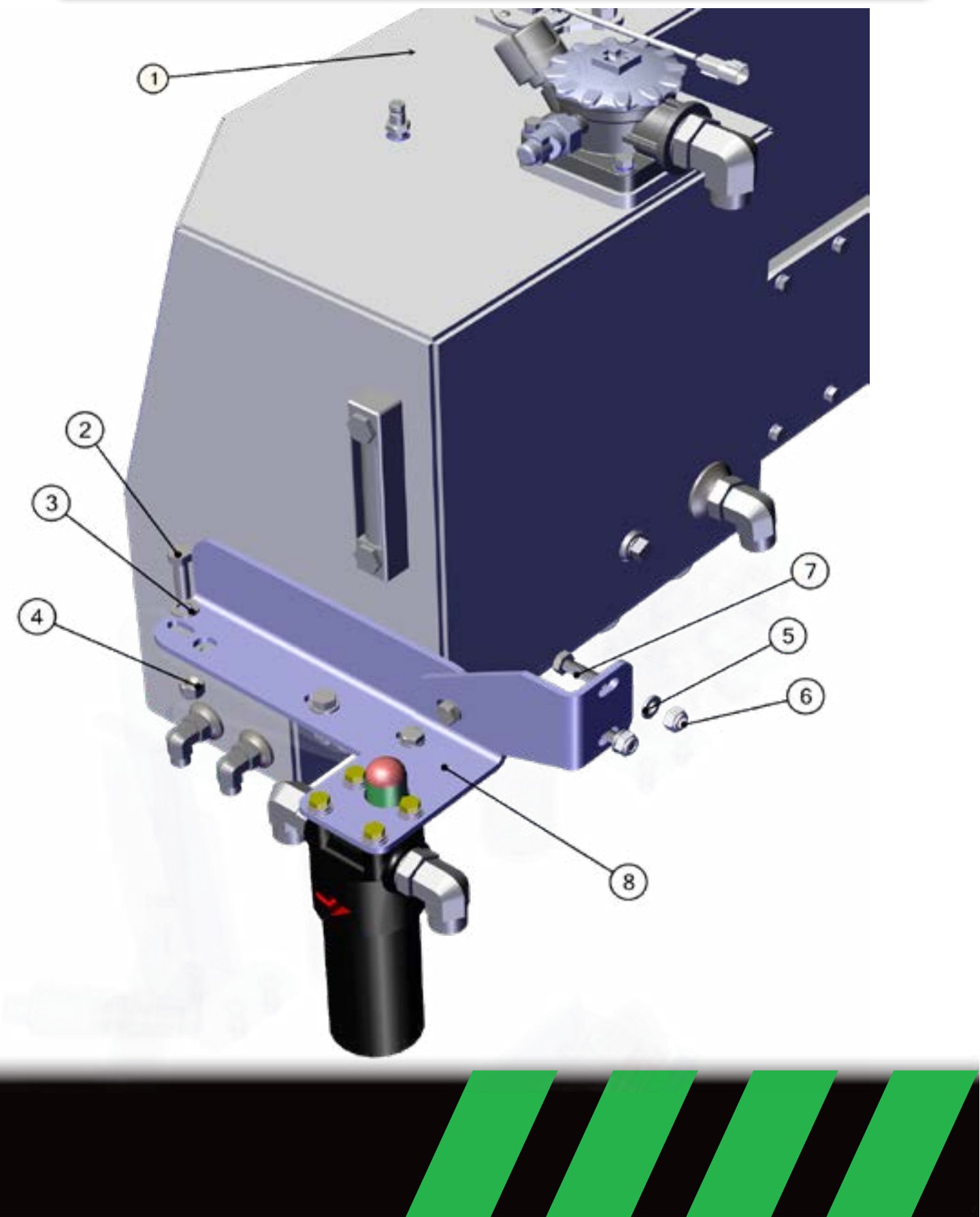
ASY, TANK STAND, Mantis P/N 32115088

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32115087	ASY, MAIN MANIFOLD	1
2	32112313	PLATE, MT, MAIN MANF	1
3	000645	HHCS 3/8 NC 7/8 PL5	12
4	32116189	WLDMT, HYO TANK STAND	1
5	32113550	FILTER, CHARGE, MANTIS 2	2
6	15B600	WASHER 3/8 SAE P	12
7	32113549	HYO ADP,TEE,12MB-12MF-8MF,RN	1
8	32121438	HYO ADP, 12MB X 12MF - 90	3
9	02998060	HHCS, M12-1.75 X 35 MM, ZN10.9	2
10	32113537	LOCKNUT, M12 X 1.75, NYLOCK	2
11	02998042	M12 X 24MM WASHER PLT	4



Item Number	Part Number	Description	Qty
1	32113225	MANIFOLD, MAIN	1
2	32113125	HYO ADP FTG, 06MF-08MB-90	1
3	MVSF0217	HYO FTG 06MB-06MF 45	2
4	02998425	HYO ADP FTG, 04MF X 04MB X 90	3
5	02998423	HYO ADP FTG, 04MB-04MF-45	1
6	02998430	HYO ADP FTG, 08MB X 08MRFS	1

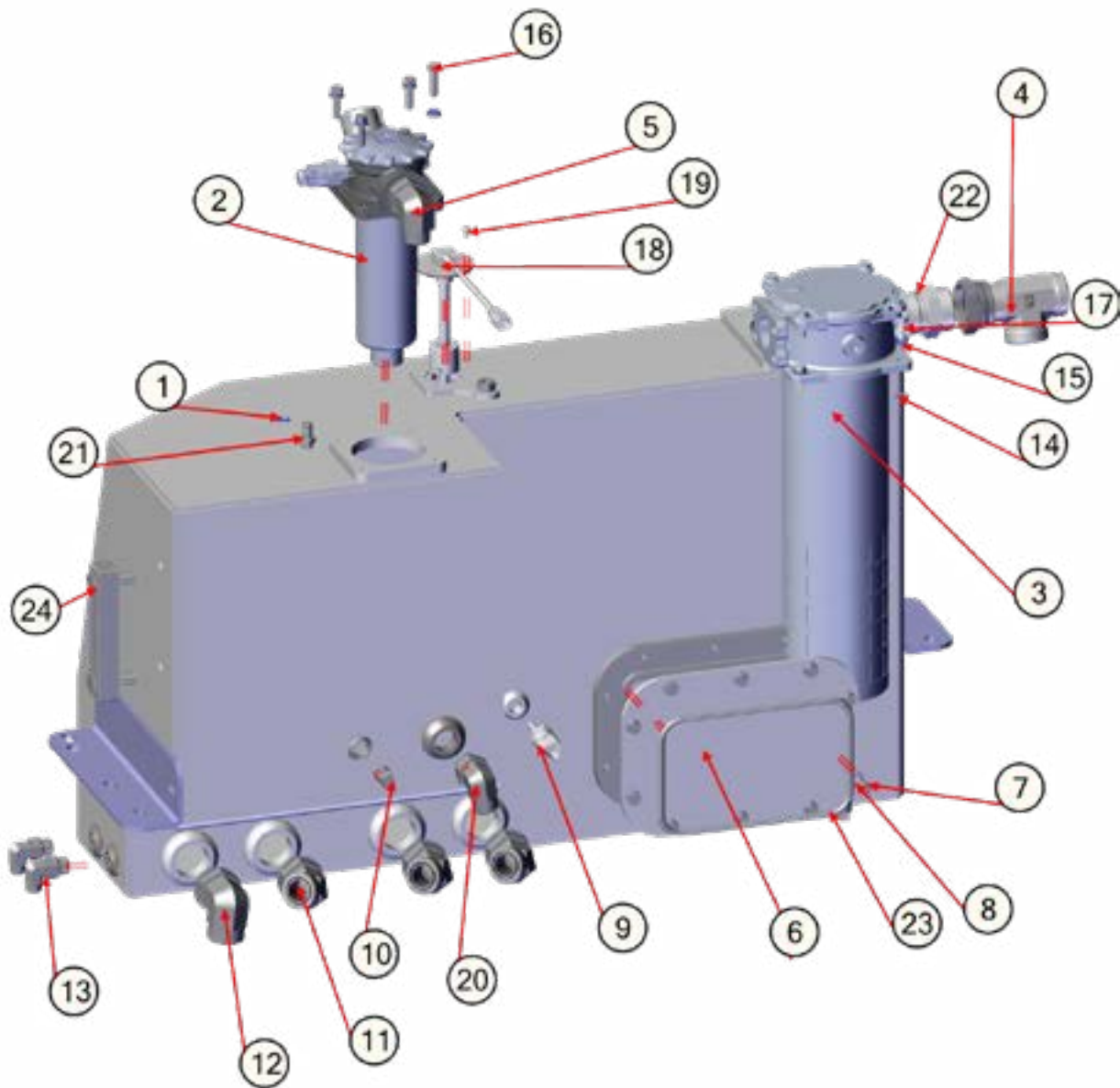
Spare Parts			
Parent Part	Part Number	Description	Qty
32113225	32124680	VALVE, CONTROL	1
32113225	32124682	VALVE, CONTROL	1
32113225	32124685	VALVE, CONTROL	1
32113225	32124686	VALVE, COUNTERBALANCE 2320 PSI	2
32113225	32124695	VALVE, RELIEF, 3000 PSI	2
32113225	32124696	VALVE, RELIEF, 3500 PSI	1
32113225	02975199	CARTRIDGE SOLENOID VALVE	1
32113225	02995447	COIL, CONTROL	5



Item Number	Part Number	Description	Qty
1	32115091	ASY, HYO TANK	1
2	02980720	HHCS M12-P1.75 X 40 PL10.9	4
3	02998042	M12 X 24MM WASHER PLT	8
4	32113537	LOCKNUT, M12 X 1.75, NYLOCK	4
5	88681485	WASHER, M10	8
6	83191030	NYLOCK NUT	4
7	32123792	HHCS M10-P1.5 X 30MM PL10.9	4
8	32115138	ASY, TANK INST FILTER, MANTIS	1

ASY, HYD TANK, Mantis P/N 32115091

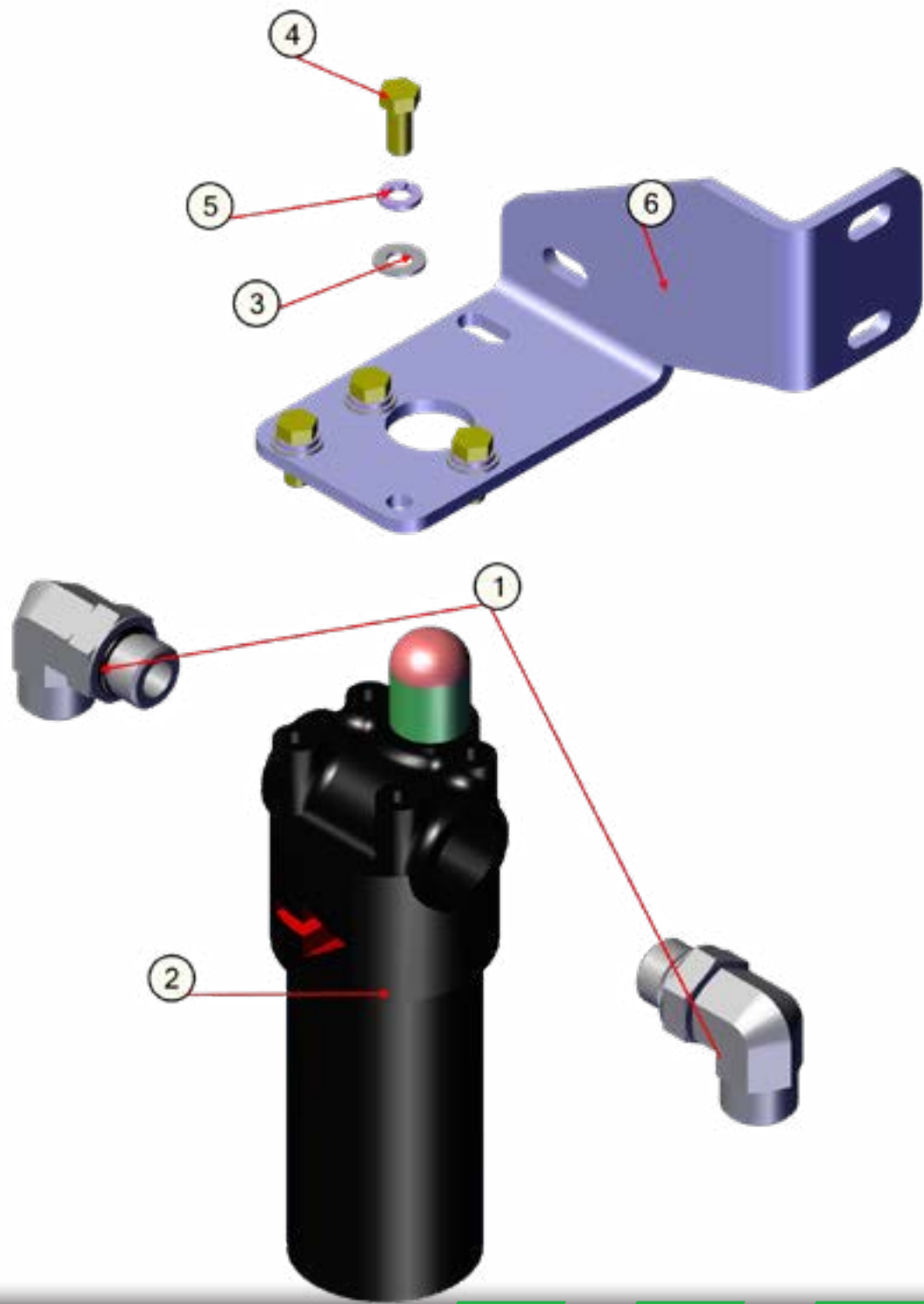
ASY, HYD TANK, Mantis P/N 32115091



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32116191	WLDMT, HYD TANK	1
2	02996288	FILTER, RETURN, ANGLE BREATHER	1
3	32113574	FILTER, RETURN, TOP	1
4	32124032	HYD ADP, TEE, 24FFX-24MF-24MF RN	1
5	32123440	HYD ADP, 12MF-16MB-90	1
6	32112326	PLATE, COVER, CLEANOUT	1
7	00002000	HHCS 3/8 NC 3/4 PL5	10
8	00012101	LOCKWASHER, 3/8" PL	10
9	32113437	SENSOR, TEMP	1
10	00749508	PLUG 1/2" NPT	2
11	32123454	HYD ADP, 20MB-20MF-45	3
12	32123455	HYD ADP, 20MB-20MF-90	1
13	32113125	HYD ADP FTG, 06MF-08MB-90	2
14	00023500	FLATWASHER 5/16, TYPE AW, ZP	8
15	00011700	LOCKWASHER 5/16 PL STD	8
16	10121000	HHCS 5/16NC 1-1/4 PL5	4
17	32123791	HHCS 5/16-18 X 7/8" PL5	4
18	32113297	SENDING UNIT, HYD TANK	1
19	32123787	BHCS #10-32 X 3/8 ZN	5
20	32121438	HYD ADP, 12MB X 12MF - 90	1
21	32124198	HYD ADP, 4MP-1/8 TEST, NIPPLE	1
22	32124033	HYD ADP, 24MBP - 24MF	1
23	02981400	O-RING, CLEANOUT SEAL	1
24	02968880	GAUGE, TEMP LEVEL INDICATOR	1

Spare Parts			
Parent Part	Part Number	Description	Qty
02996288	02994853	ELEMENT, RET FILTER, MAV2	1
02996288	02995425	INDICATOR, RET FILTER CLOG	1
02996288	02996904	SEAL KIT, MV2 45 RET	1
02996288	02996905	FILTER, BREATHER, SCREW IN	1
02996288	02998689	KIT, LID/SEAL, FILTER, MV2	1
02996288	02998690	KIT, BOWL/SEAL, FILTER, MV2	1
32113574	32113718	FILT ELEMENT, HYD RET 79 GPM	1

ASY, TANK INST FILTER, MANTIS, Mantis P/N 32115138



ASY, TANK INST FILTER, MANTIS, Mantis P/N 32115138

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32121438	HYO ADP, 12MB X 12MF - 90	2
2	02994847	FILTER, MAV2	1
3	15B600	WASHER 3/8 SAE P	4
4	000645	HHCS 3/8 NC 7/8 PL5	4
5	00012101	LOCKWASHER, 3/8" PL	4
6	32112325	BRACE, HYO BATT	1

Spare Parts			
Parent Part	Part Number	Description	Qty
02994847	02994854	ELEMENT, PRESS FILTER, MAV2	1
02994847	02995423	INDICATOR, HP FILTER CLOG	1
02994847	02995424	SEAL KIT, HP FILTER	1

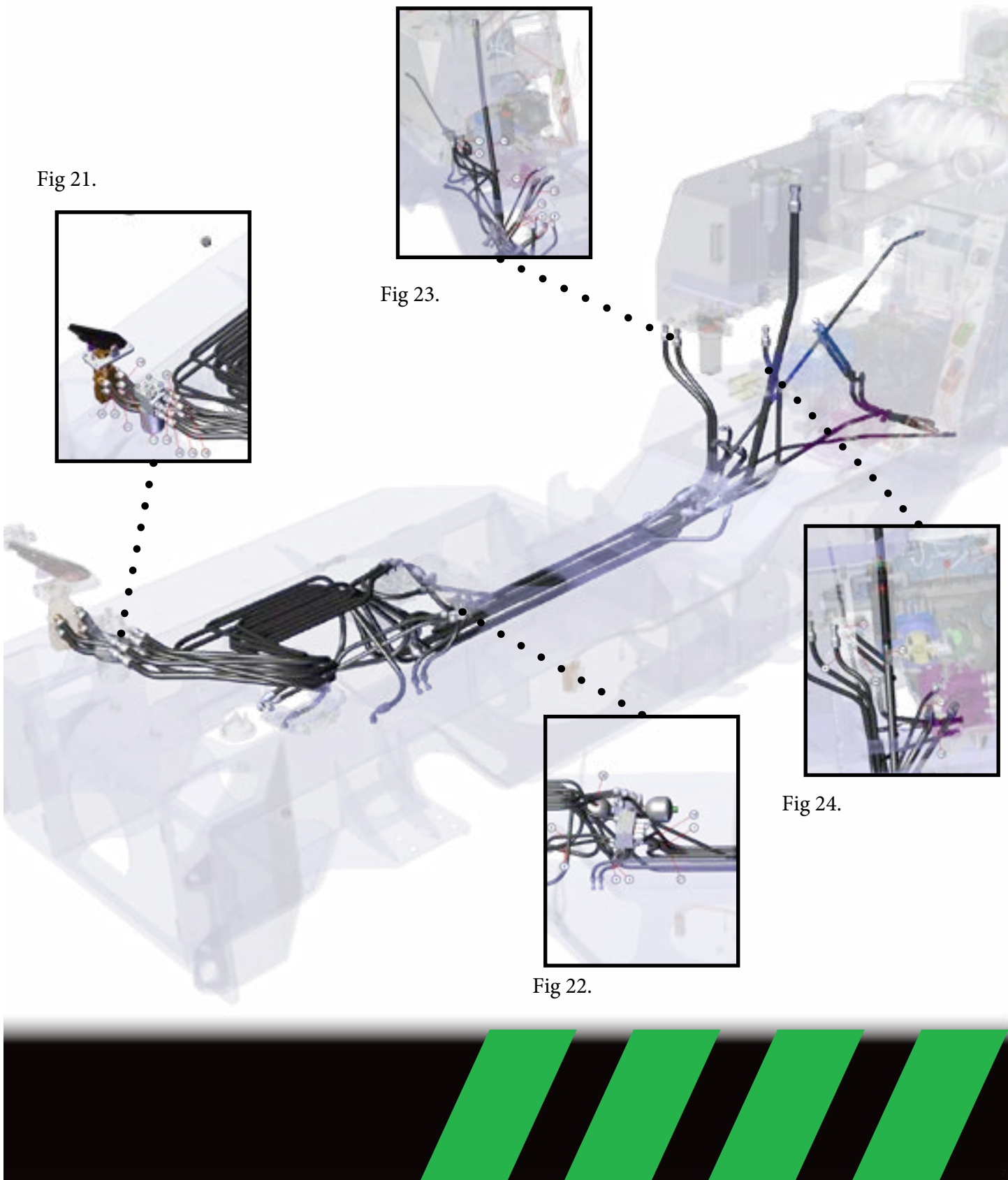


Fig 21.



Fig 23.



Fig 24.



Fig 22.

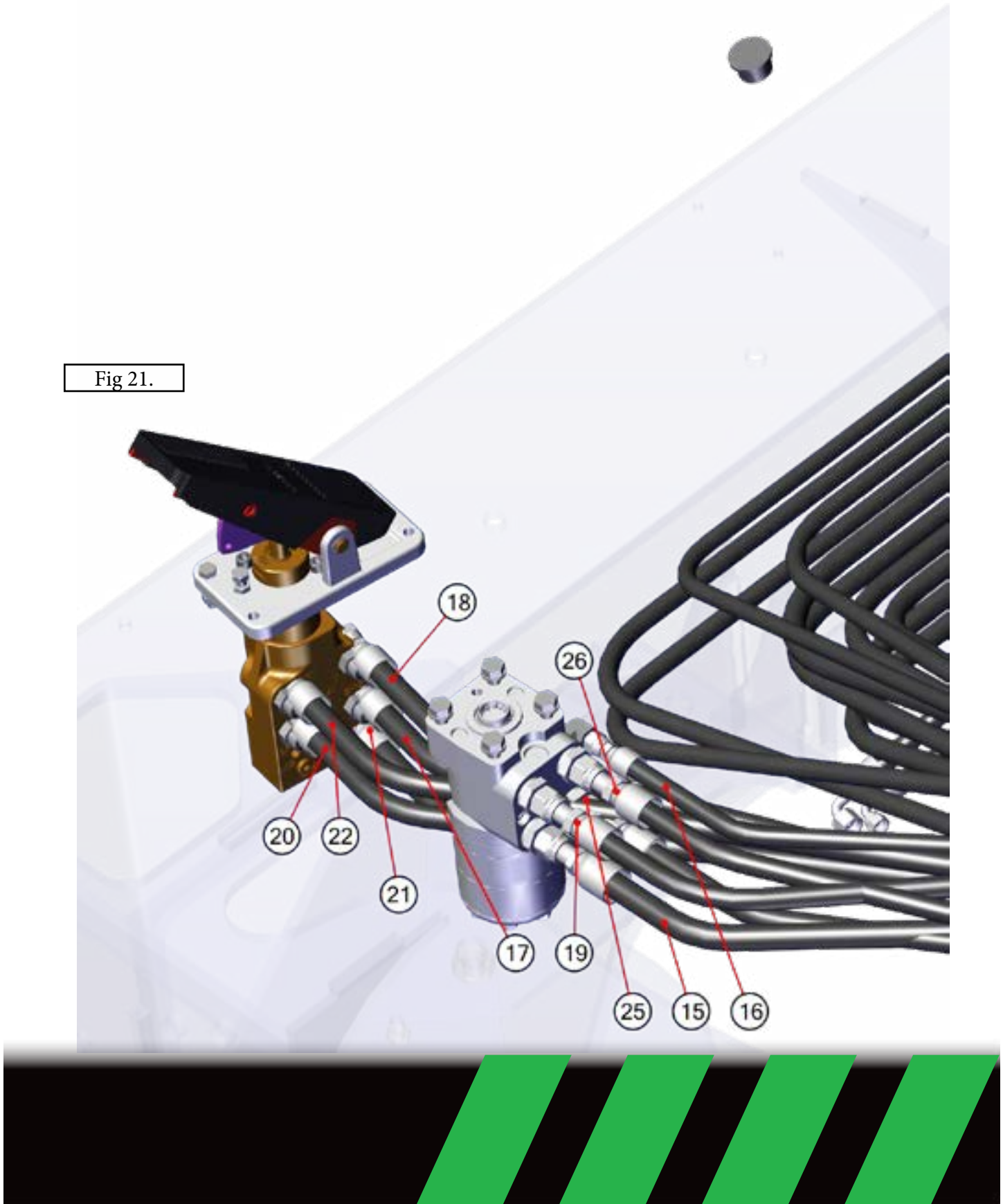


Fig 21.

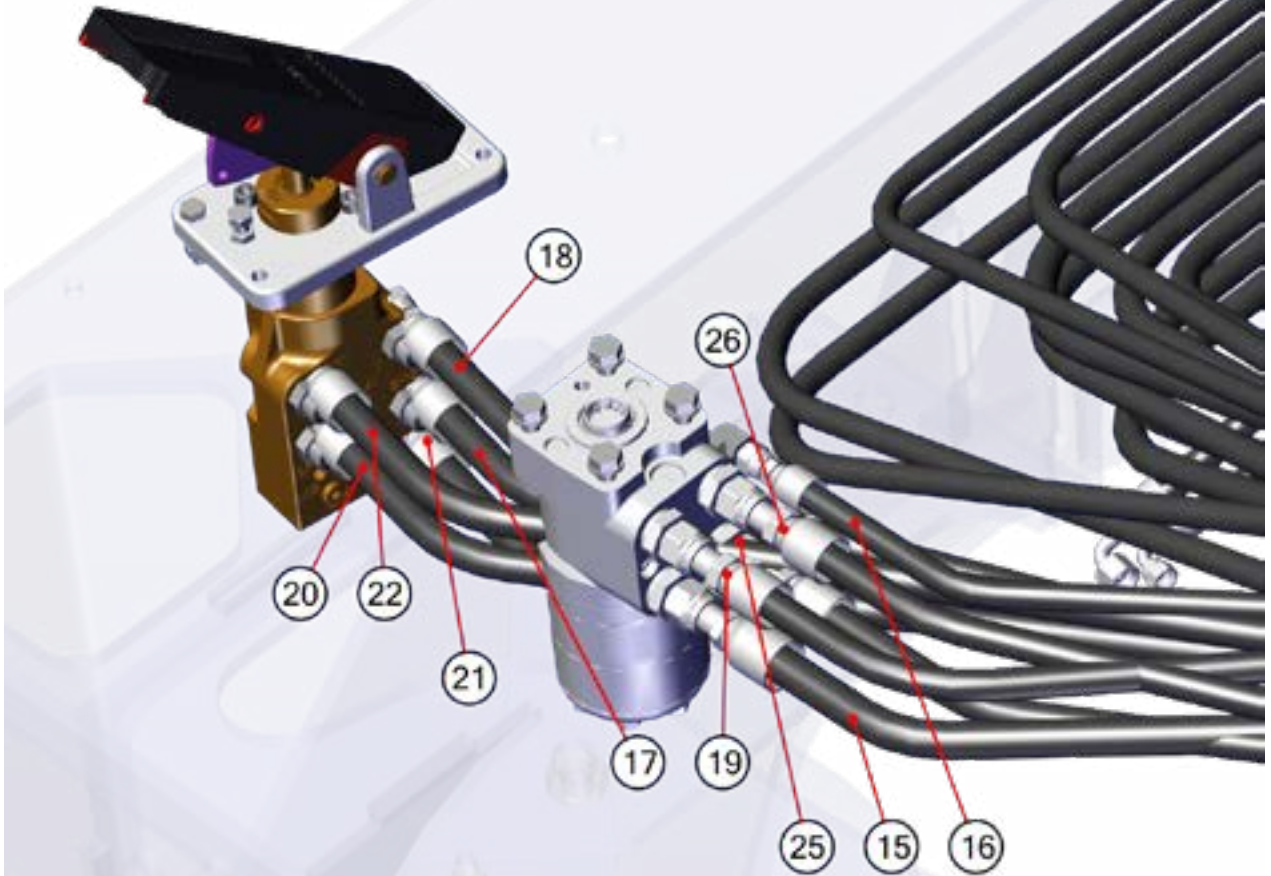


Fig 22.

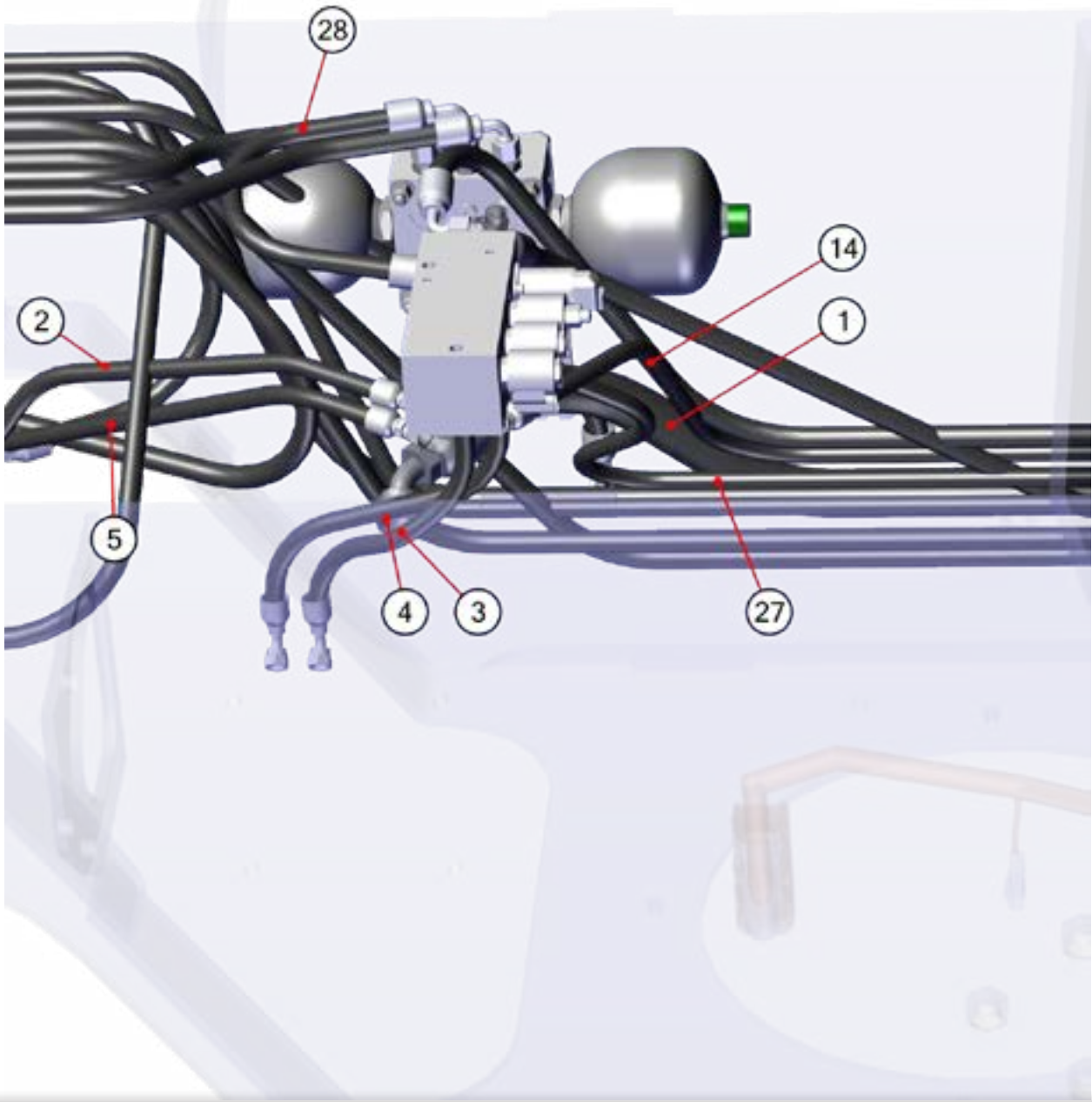
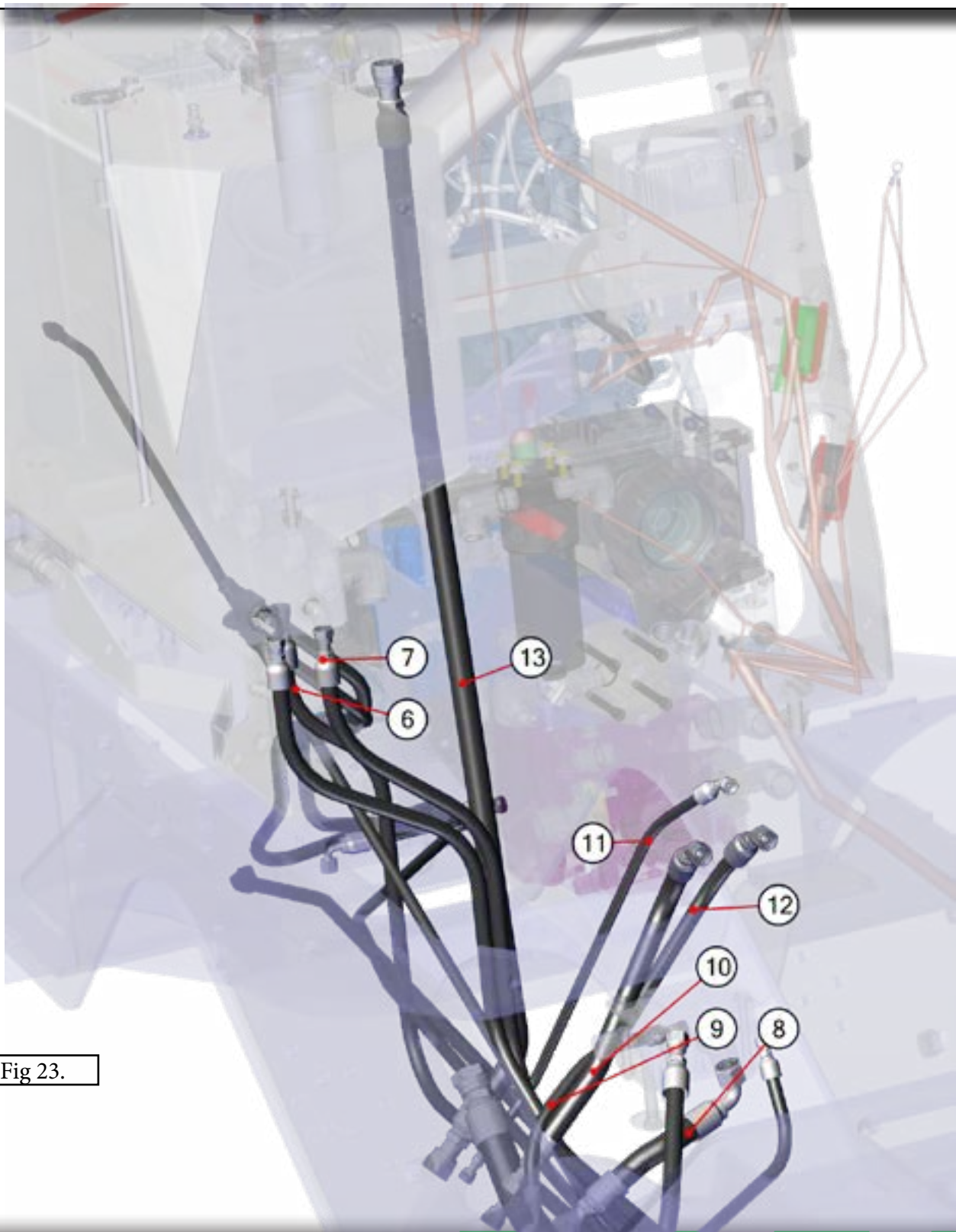
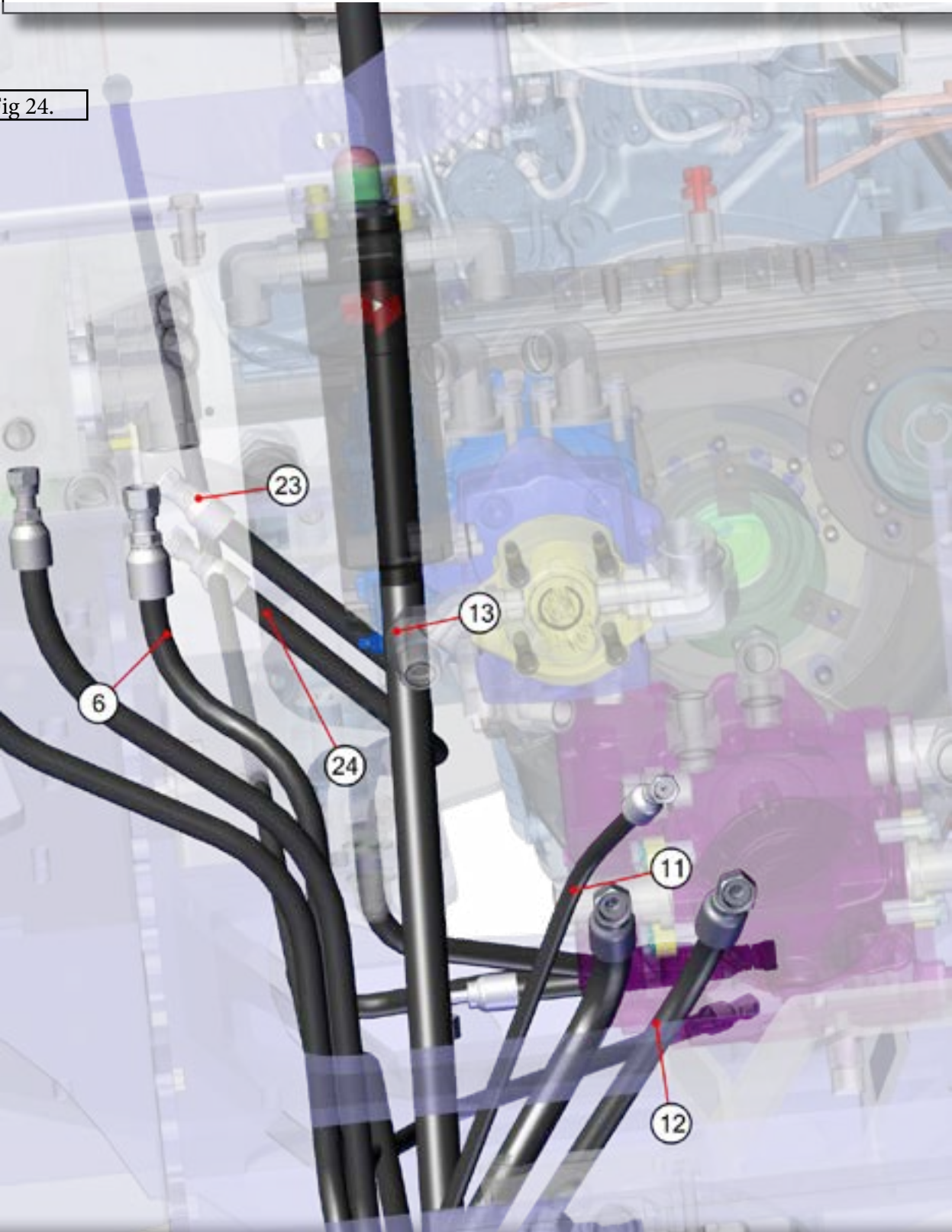


Fig 23.



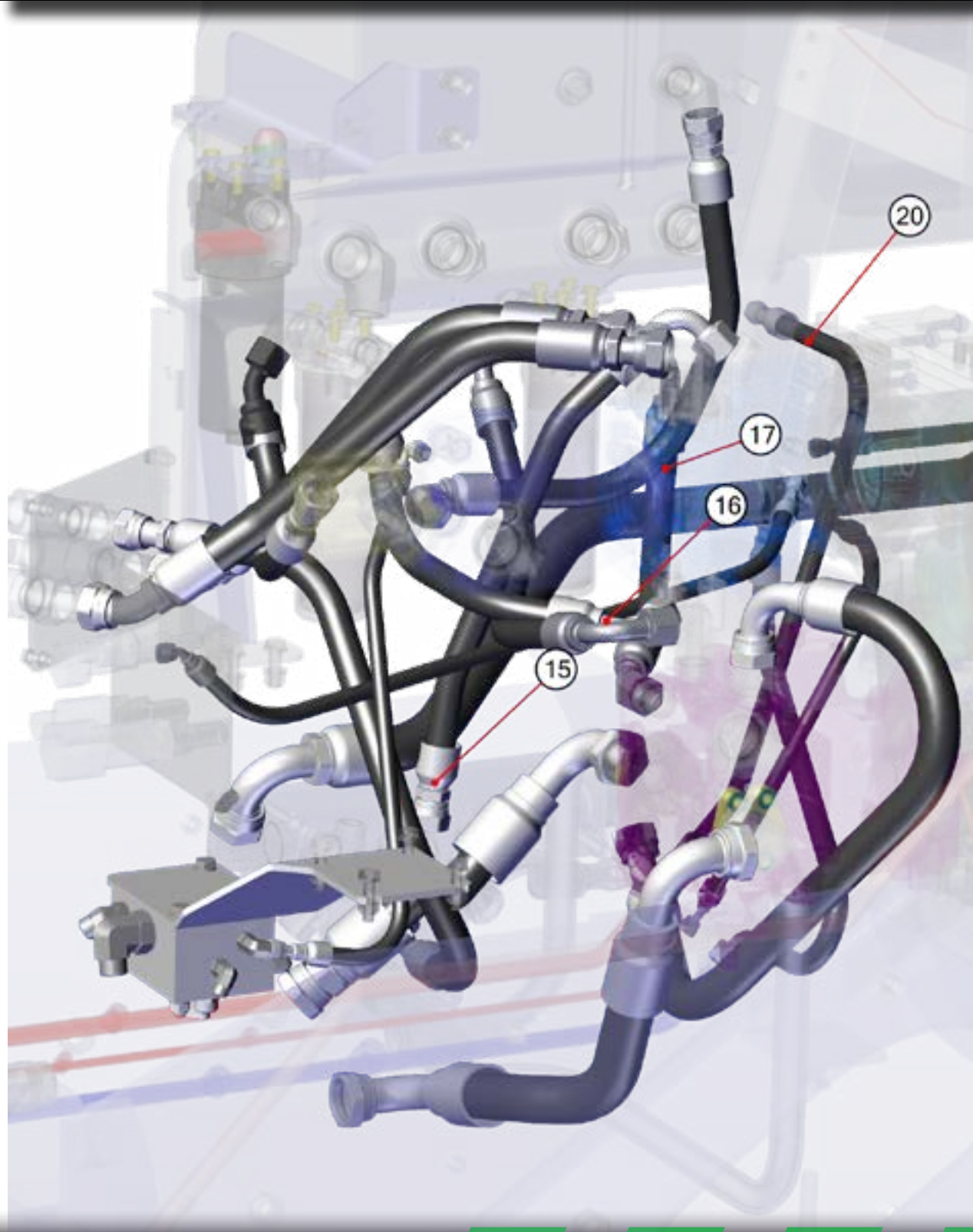
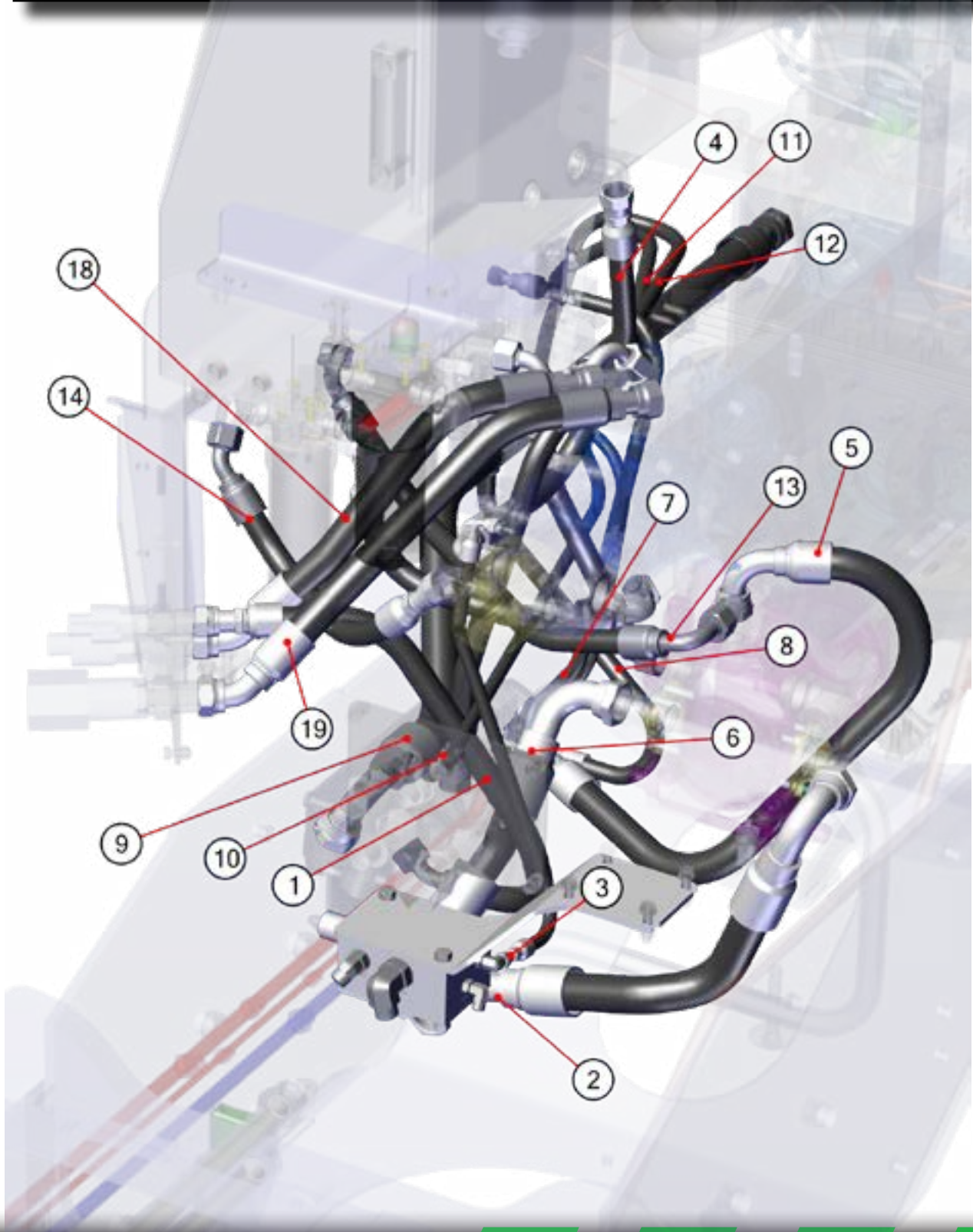
INST, HYDRAULIC HOSES 1/3, Mantis P/N 32119077

Fig 24.



INST, HYDRAULIC HOSES 1/3, Mantis P/N 32119077

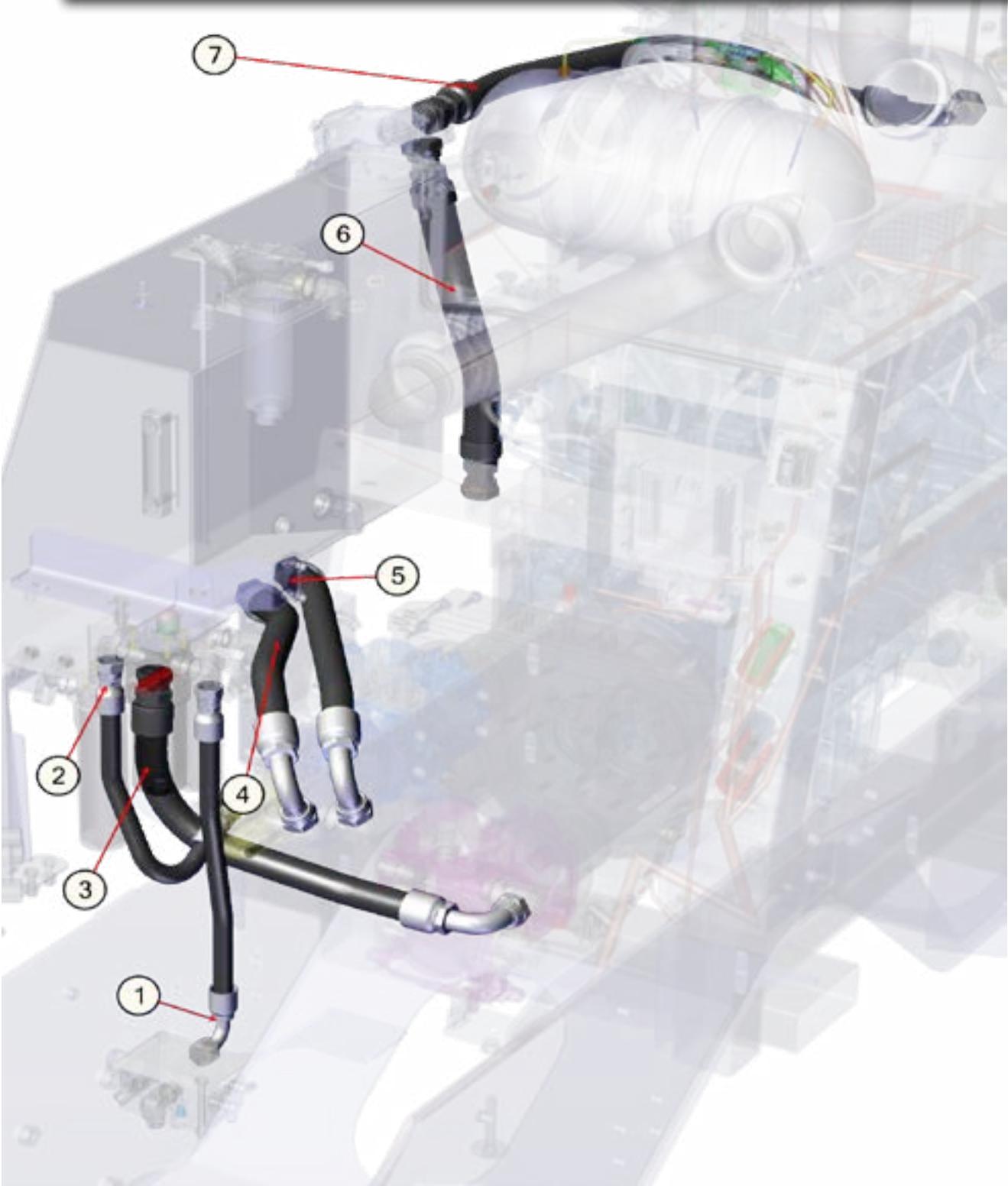
Item Number	Part Number	Description	Qty
1	32113309	HOSE #16 16FFX45-16FFX 64	1
2	32113338	HOSE #04 04FFX-04FFX90 27.5	1
3	32113393	HOSE #04 04FFX-04FFX45 14	1
4	32113394	HOSE #04 04FFX-04FFX45 16.5	1
5	32113340	HOSE #04 04FFX-04FFX90 28.5	1
6	32113305	HOSE #08 08FFXLG-06FFX45 97	1
7	32113342	HOSE #06 06FFX90-06FFX 97	1
8	32113413	HOSE #10 10FFXLG-10FFX90 10	1
9	32113414	HOSE #04 04FFX45-04FFX 14	1
10	32113410	HOSE #08 08FFXLG-08FFX45 22	1
11	32113412	HOSE #04 04FFXLG-04FFX45 26.5	1
12	32113411	HOSE #08 08FFXLG-08FFX45 29	1
13	32113365	HOSE #12 12FFXLG-12FFXLG 54.5	1
14	32113337	HOSE #04 04FFX-04FFX90 115	1
15	32113318	HOSE #08 08FFX-08FFXLG 132	1
16	32113319	HOSE #04 04FFX-04FFX 138	1
17	32113346	HOSE #06 06FFX-06FFX90 193	1
18	32113390	HOSE #06 06FFX-06FFX 184.5	1
19	32113322	HOSE #06 08FFXLG-06FFX45 87	1
20	32113348	HOSE #06 06FFX-06FFX90 105	1
21	32113349	HOSE #06 06FFX-06FFX90 104.5	1
22	32113339	HOSE #06 06FFX-06FFX90 108.7	1
23	32113363	HOSE #06 06FFX-06FFX90 44.5	1
24	32113364	HOSE #06 06FFXLG-06FFX 29.5	1
25	32113396	HOSE #06 08FFXLG-06FFX 82.5	1
26	32113397	HOSE #06 08FFXLG-06FFX90 83	1
27	32113395	HOSE #04 04FFX45-04MJ 101	1
28	32113308	HOSE #06 06FFX-06FFX90M 15	1



INST, HYDRAULIC HOSES 2/3, Mantis P/N 32119082

Item Number	Part Number	Description	Qty
1	32113331	HOSE #12 12FFXLG-12FFX45 40.5	1
2	32113307	HOSE #20 20FFX90-20FFX90 24	1
3	32113321	HOSE #04 04FFX90-04FFXLG 23	1
4	32113330	HOSE #10 10FFXLG-12FFX45 33.5	1
5	32113304	HOSE #16 16FFX45-16FFX90 40 30	1
6	32113306	HOSE #20 20FFX90-20FFX 18	1
7	32113367	HOSE #04 04FFX45-04FFXLG 29.5	1
8	32113366	HOSE #08 08FFX90-08FFXLG 31.5	1
9	32113409	HOSE #20 20FFXLG-20FFX90 51	1
10	32113350	HOSE #04 04FFX-04FFX45 40	1
11	32113362	HOSE #04 04FFX-04FFX45 26	1
12	32113361	HOSE #04 04FFX-04FFX 35	1
13	32113302	HOSE #12 12FFX90-12FFX45 28 0	1
14	32113320	HOSE #12 12FFX45-12FFXLG 18.25	1
15	32113317	HOSE #12 12FFX90-12FFX 28.25	1
16	32113315	HOSE #12 12FFX90-12FFX 21.5	1
17	32113303	HOSE #12 12FFX90-12FFX45 17.25	1
18	32113332	HOSE #16 16FFXLG-16FFX45 22.5	1
19	32113333	HOSE #16 16FFXLG-16FFX45 25	1
20	32113368	HOSE #06 06FFXLG-06FFX45 31.5	1

INST, HYDRAULIC HOSES 3/3, Mantis P/N 32119087

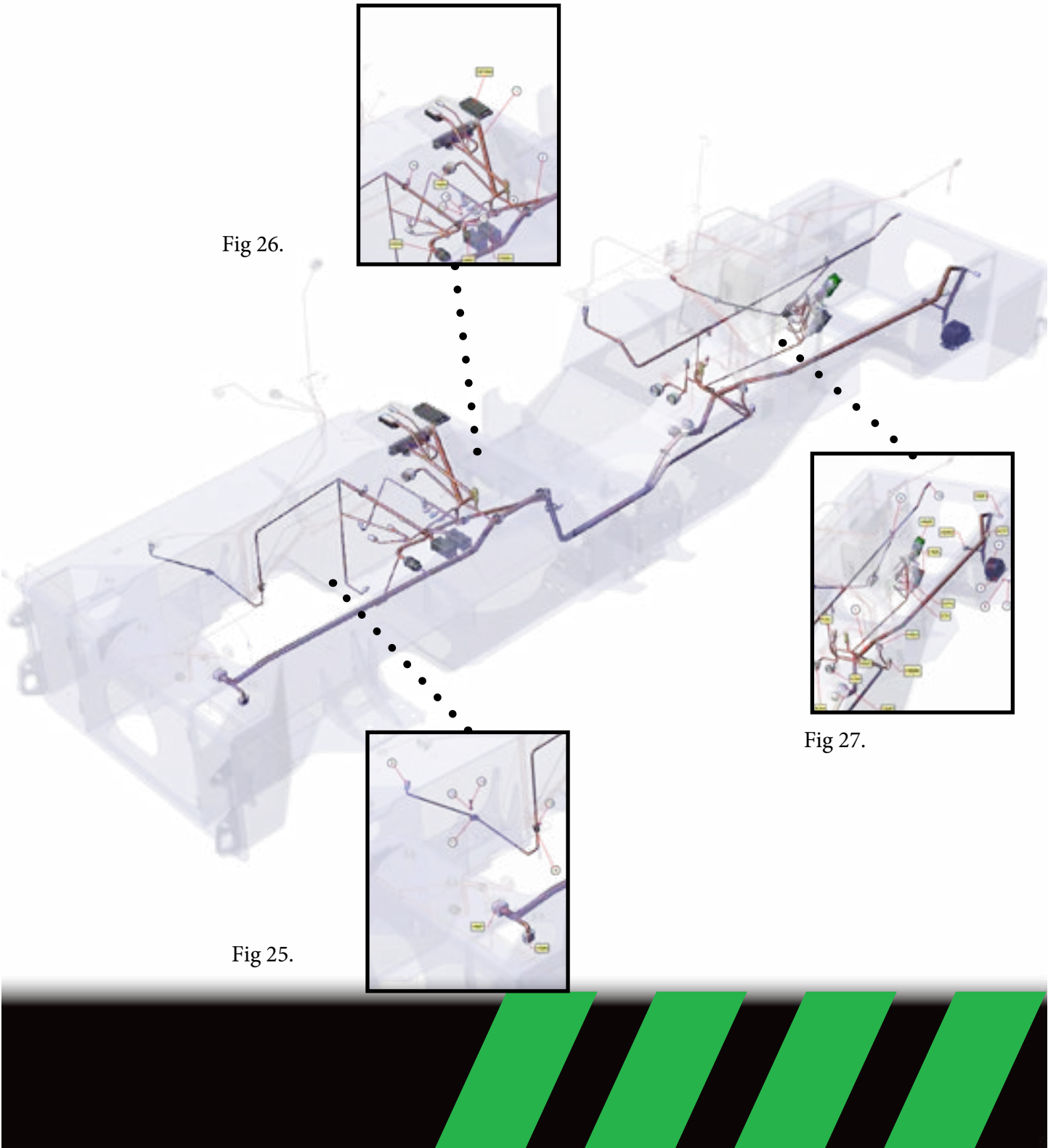


INST, HYDRAULIC HOSES 3/3, Mantis P/N 32119087

Item Number	Part Number	Description	Qty
1	32113335	HOSE #12 12FFX-12FFX90 25.5	1
2	32113334	HOSE #12 12FFX-12FFX 28.75	1
3	32113301	HOSE #20 20FFX-20FFX90 28.5	1
4	32113312	HOSE #20 20FFX-20FFX90 21.5	1
5	32113314	HOSE #20 20FFX-20FFX90 23	1
6	32113352	HOSE #24 24FFXLG-24FFXLG 28.75	1
7	32113354	HOSE #24 24FFXLG-24FFX90 38.5	1

PARTS-5
ELECTRICAL





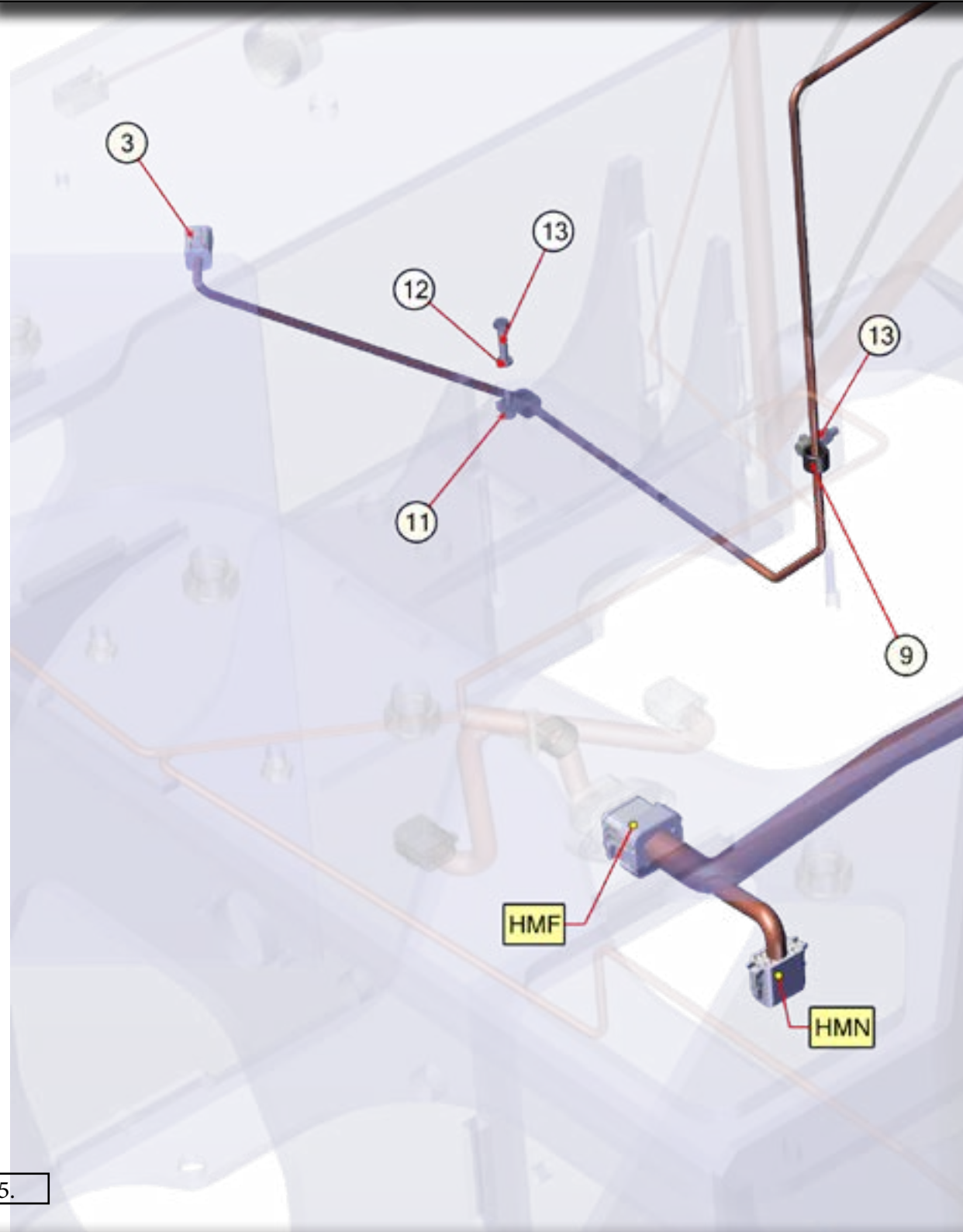


Fig 25.

Fig 26.

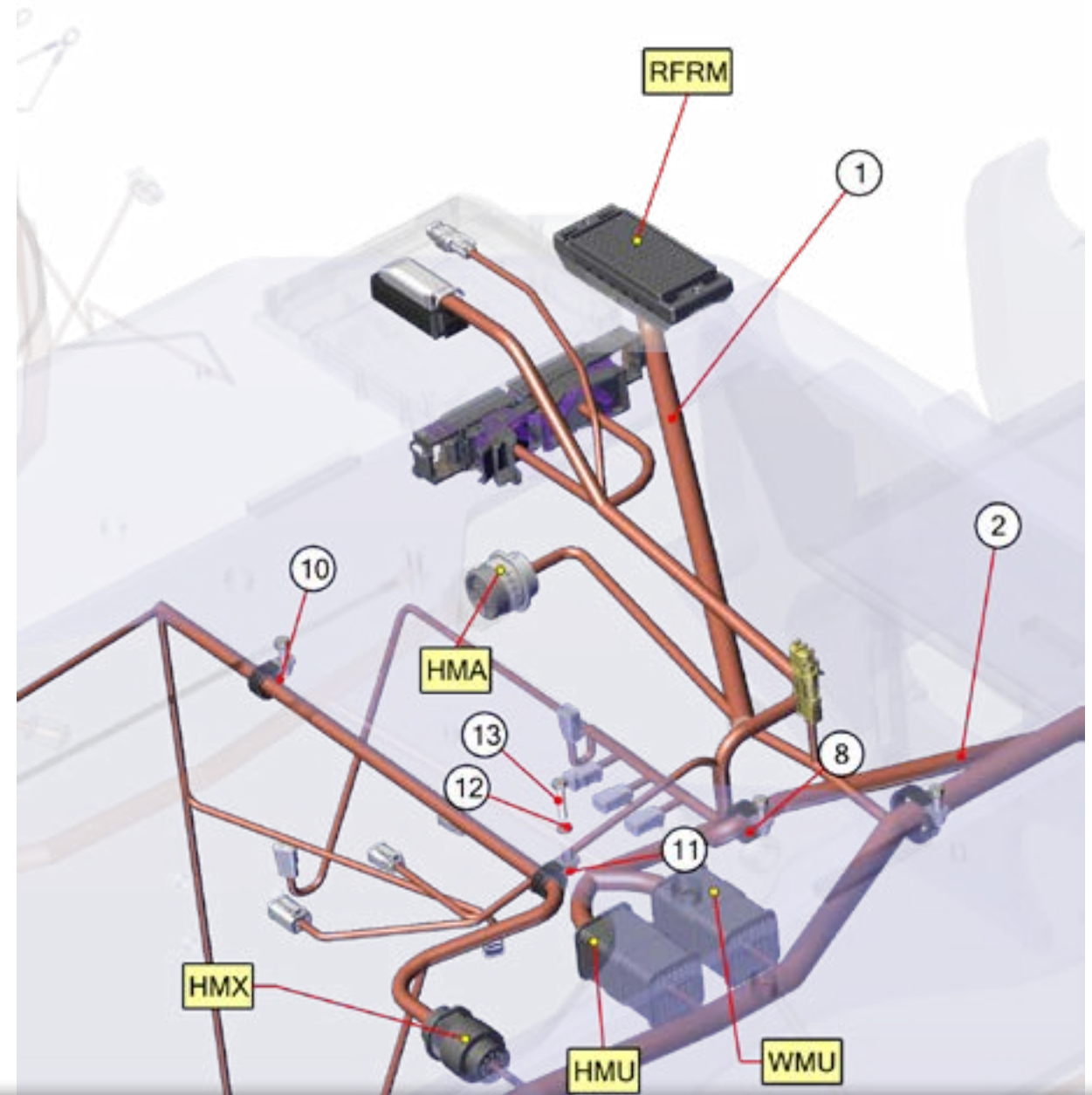
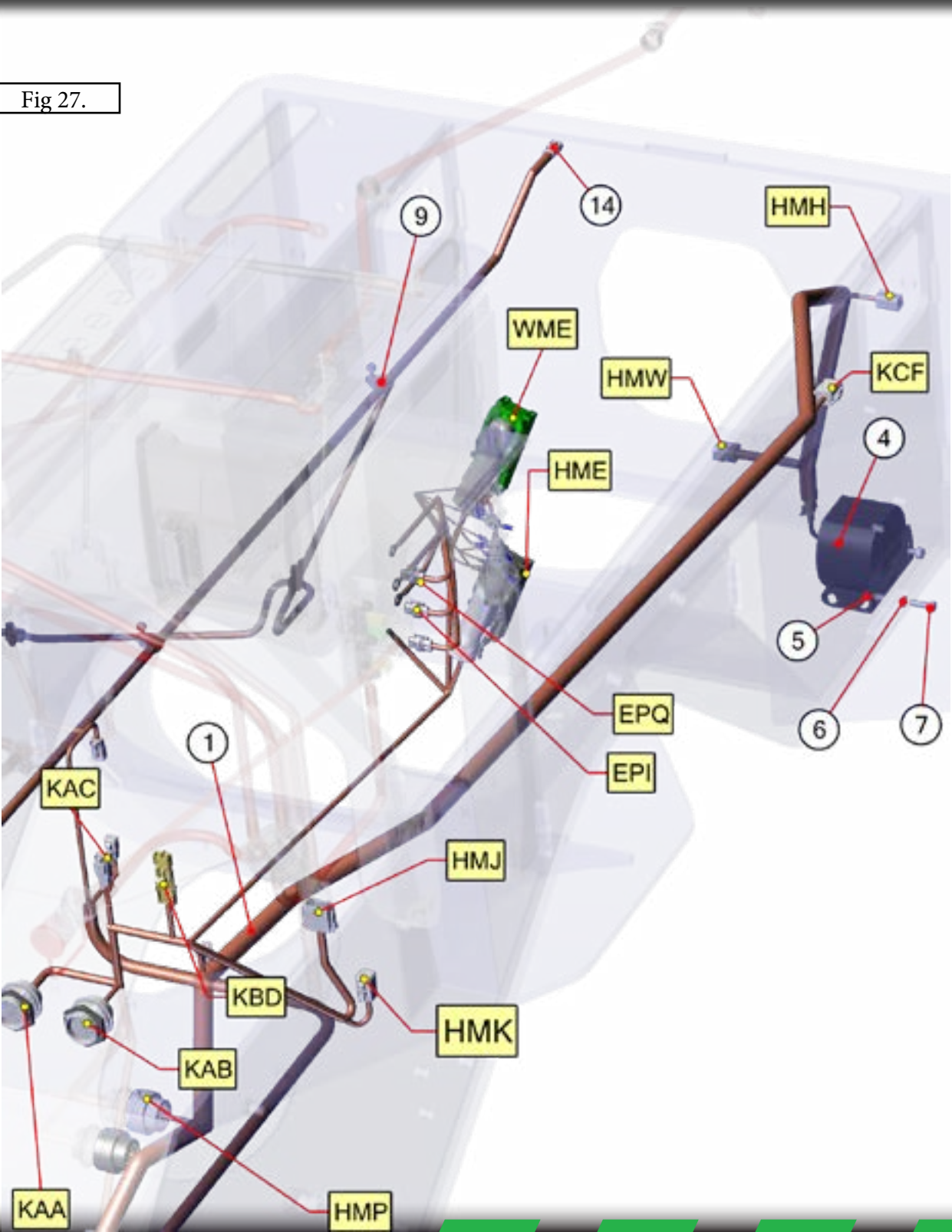
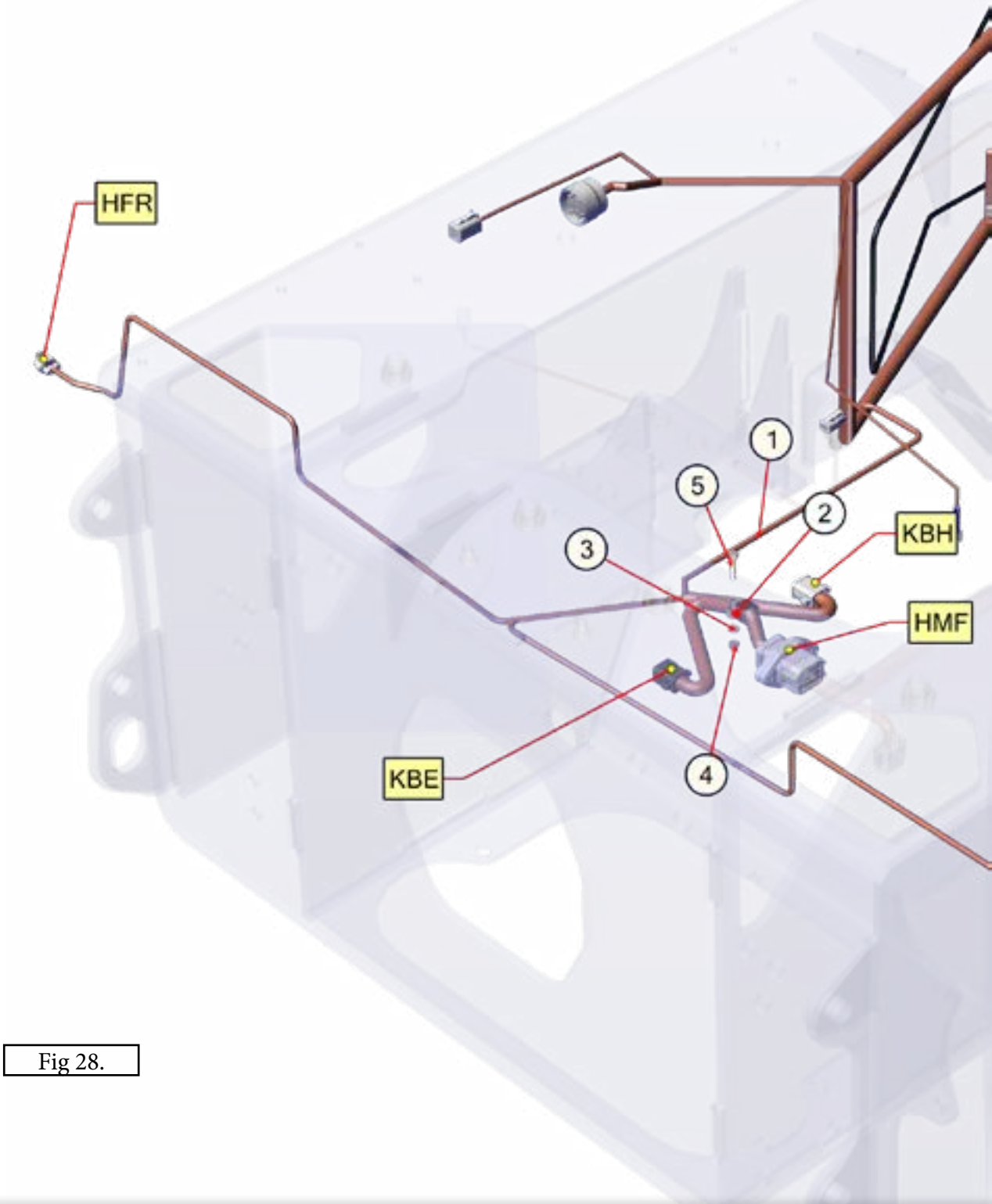
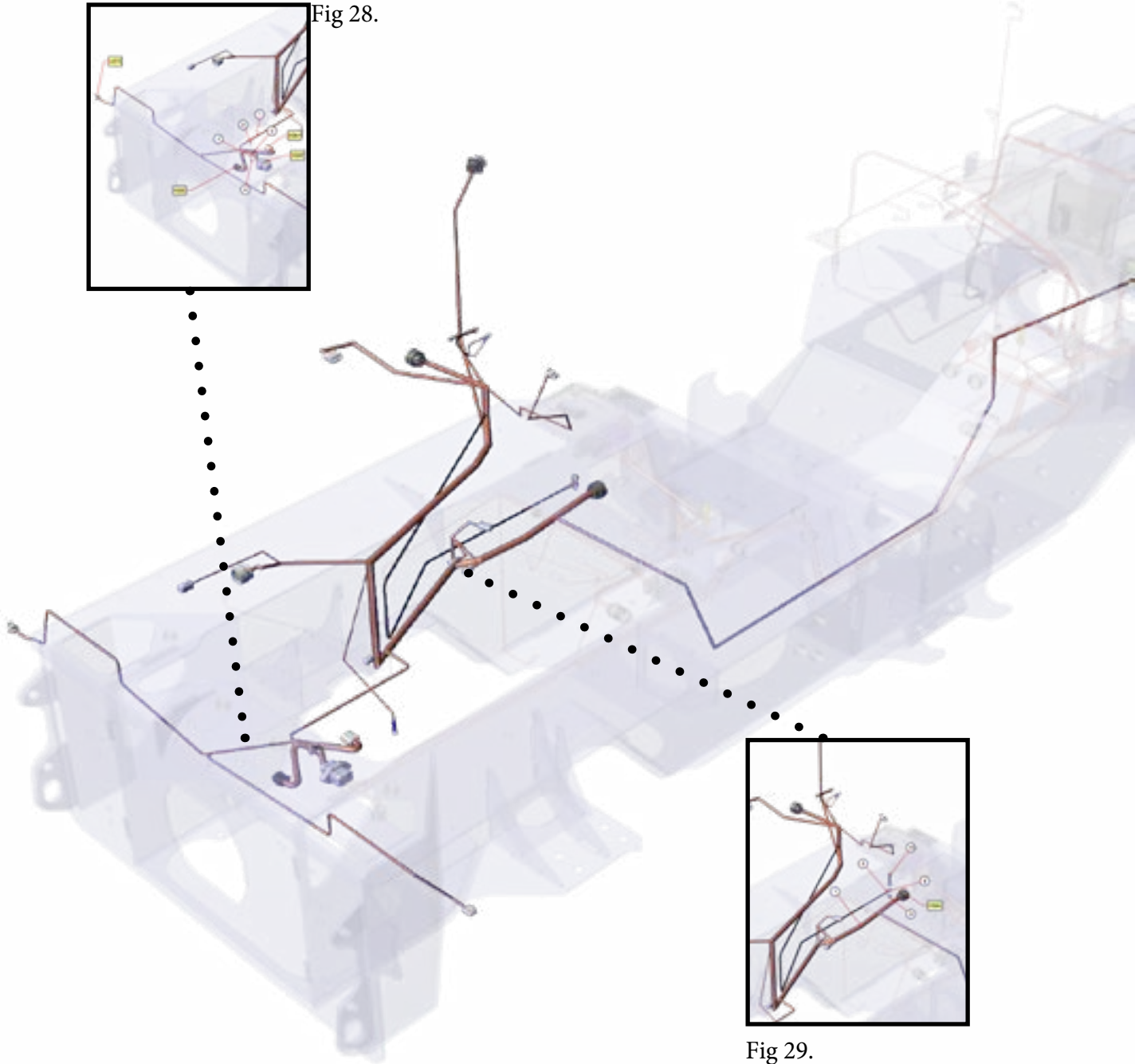


Fig 27.



Item Number	Part Number	Description	Qty
1	32113264	HARNESS, MAIN	1
2	32113269	HARNESS, FRONT CONTROL	1
3	32113272	HARNESS, FRONT AXLE	1
4	32111645	ALARM, EXTERNAL AUDIBLE	1
5	32110550	NUT, NYLOK, M8 NC 10.9 ZP	2
6	32110403	FW, M8, 10.9 ZP	4
7	32110405	HHCS, M8 NC X 30, 10.9 ZP	2
8	32113556	P-CLAMP 1"ID 1/2"W	1
9	32113557	P-CLAMP, 1/2"ID, 1/2"W	6
10	32113558	P-CLAMP 3/4"ID 1/2"W	2
11	32110804	NUT, NYLOK, M6 NC 10.9 ZP	13
12	32110895	FW, M6, 10.9 ZP	26
13	32122266	HHCS, M6 x 1.0 - 30MM, 10.9	13
14	32113267	HARNESS, STEER ANGLE	1
15	32113672	P-CLAMP, 1-1/2"ID, 1/2"W	4



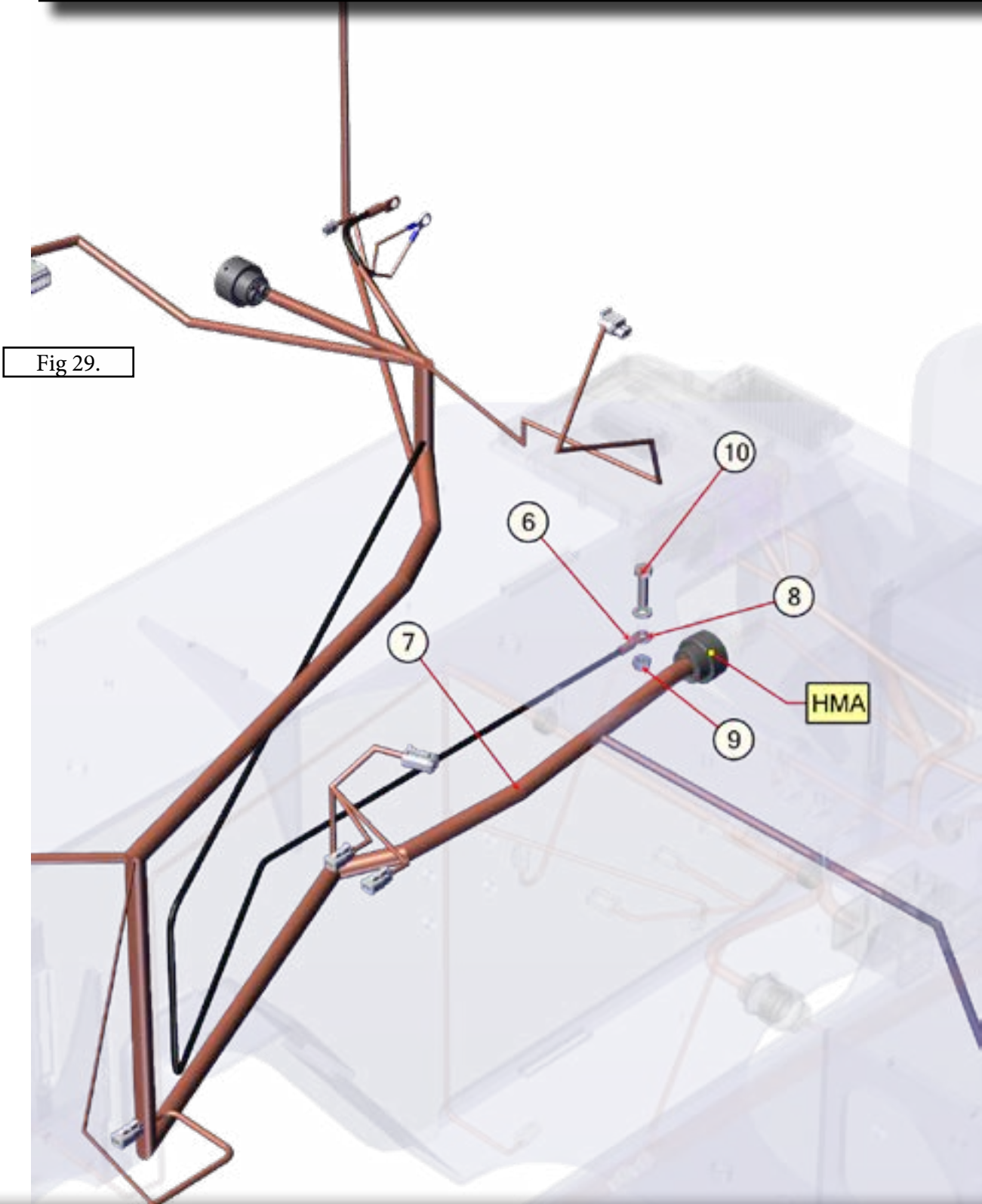


Fig 29.

Item Number	Part Number	Description	Qty
1	32113259	HARNESS, FRONT	1
2	32113558	P-CLAMP, 3/4"ID, 1/2"W	1
3	32110895	FW, M6, 10.9 ZP	2
4	32110804	NUT, NYLOK, M6 NC 10.9 ZP	1
5	32122266	HHCS, M6 x 1.0 - 30MM, 10.9	1
6	32113280	CABLE, CAB GROUND	1
7	32113256	HARNESS, CAB	1
8	32110347	FW, M10, CL 10.9, ZIP	2
9	32110509	NUT, NYLOK, M10 NC 10.9 ZP	1
10	32110510	HHCS M10 NC X 40 10.9 YZ	1

Fig 32.

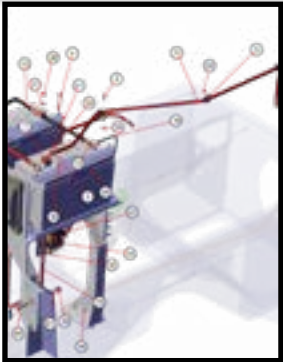


Fig 30.

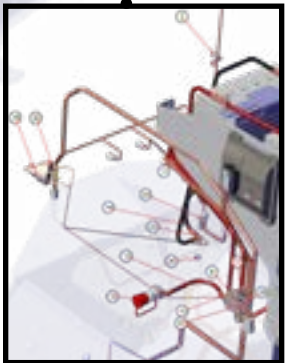


Fig 31.

Fig 30.

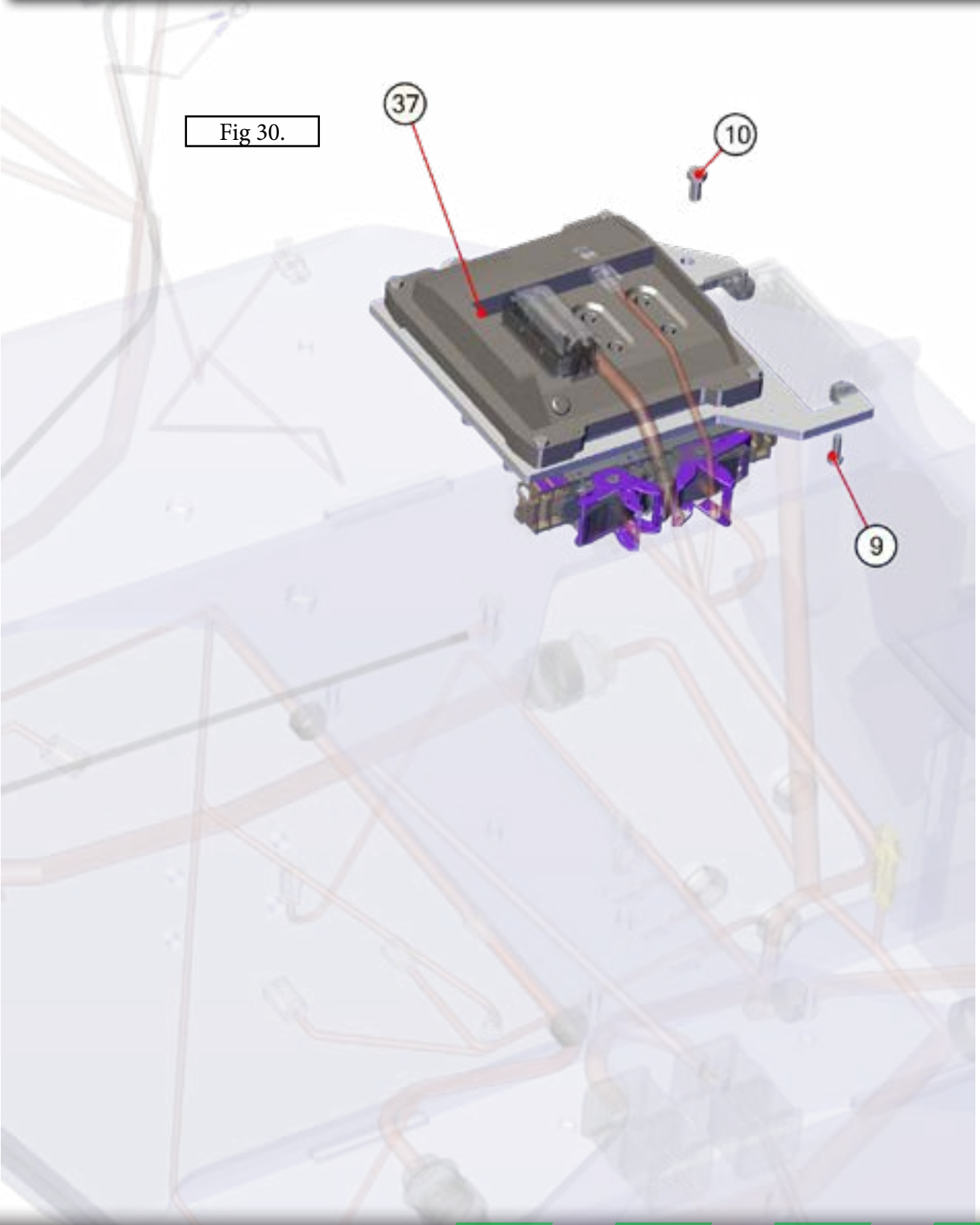


Fig 31.

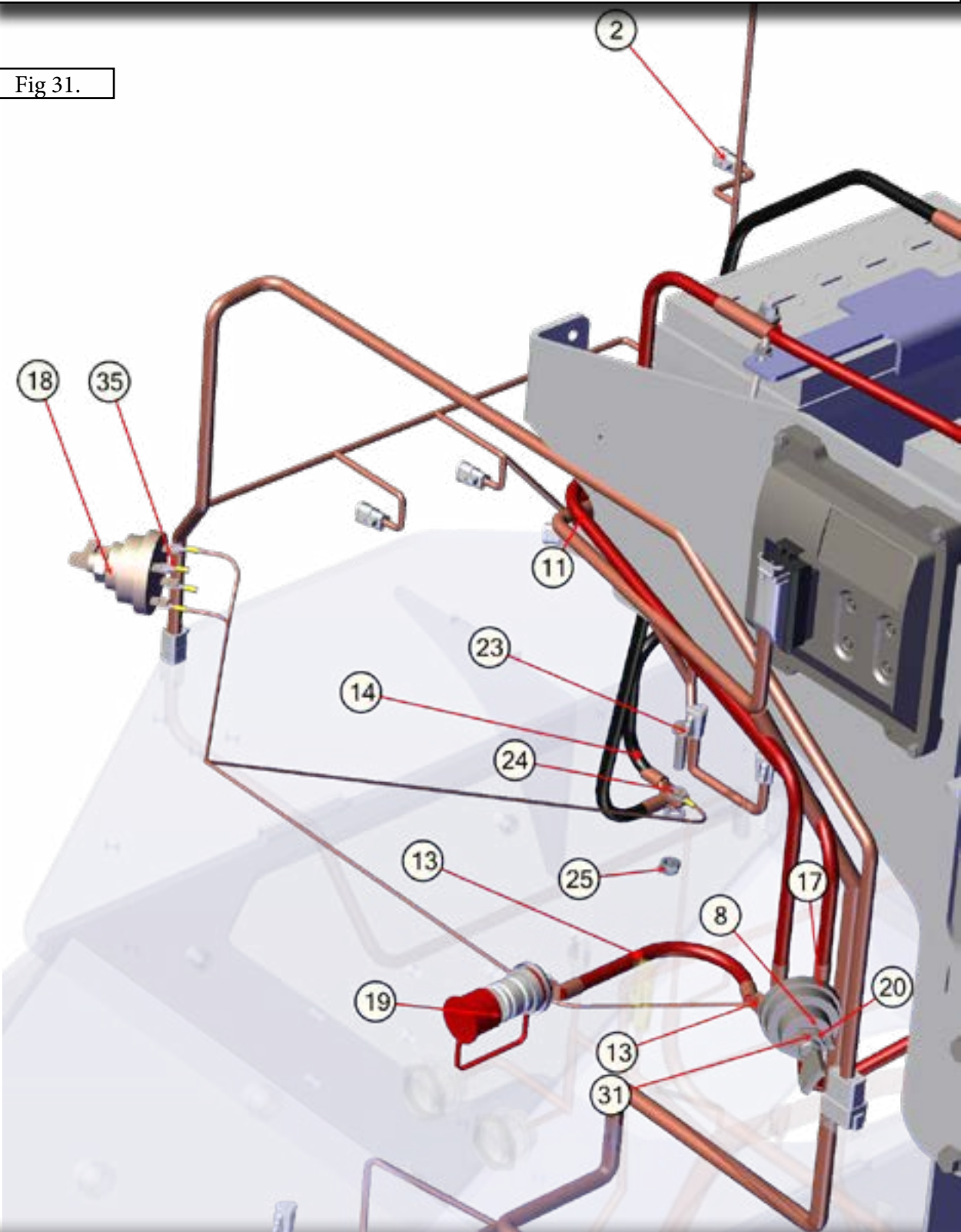
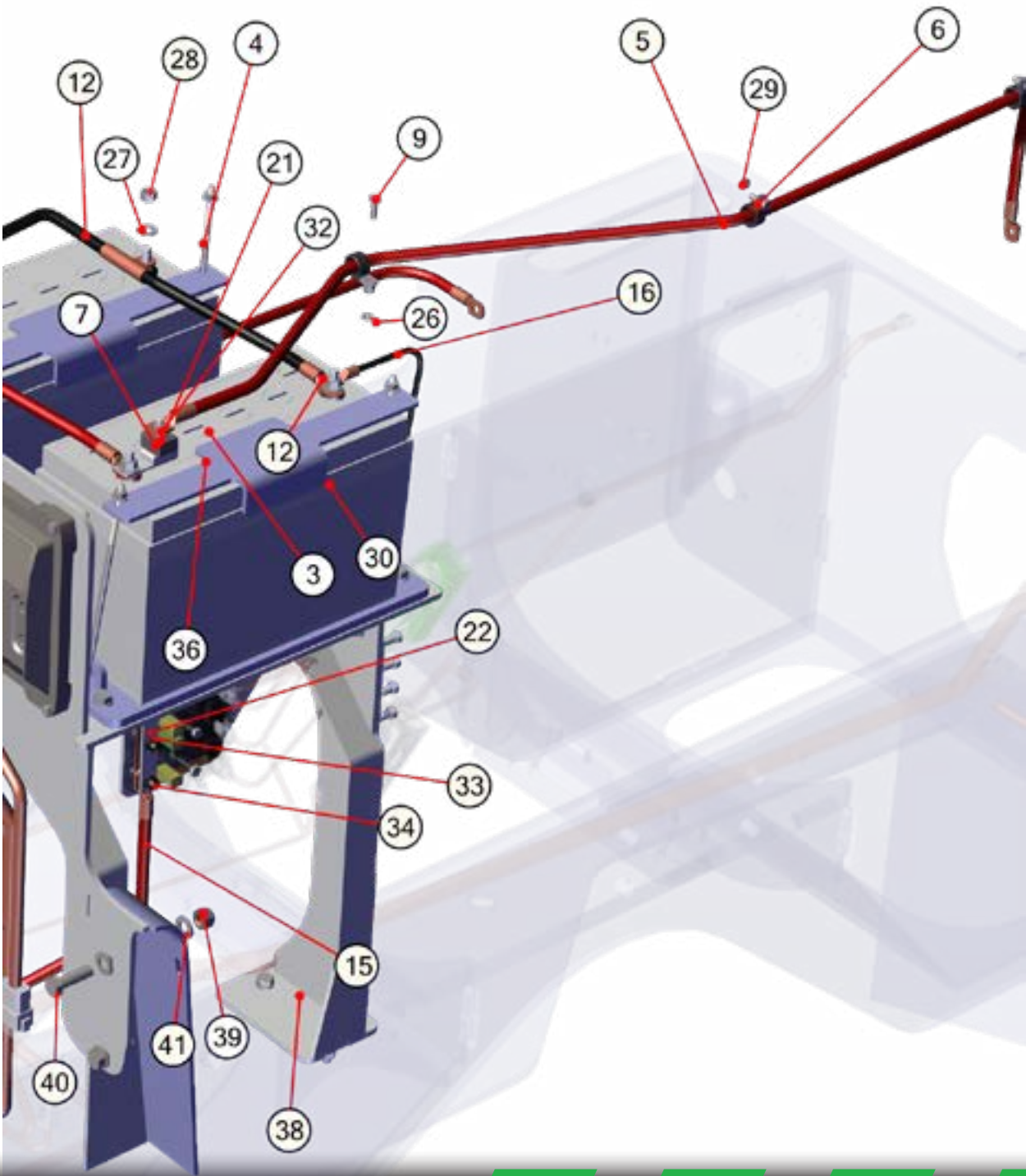


Fig 32.



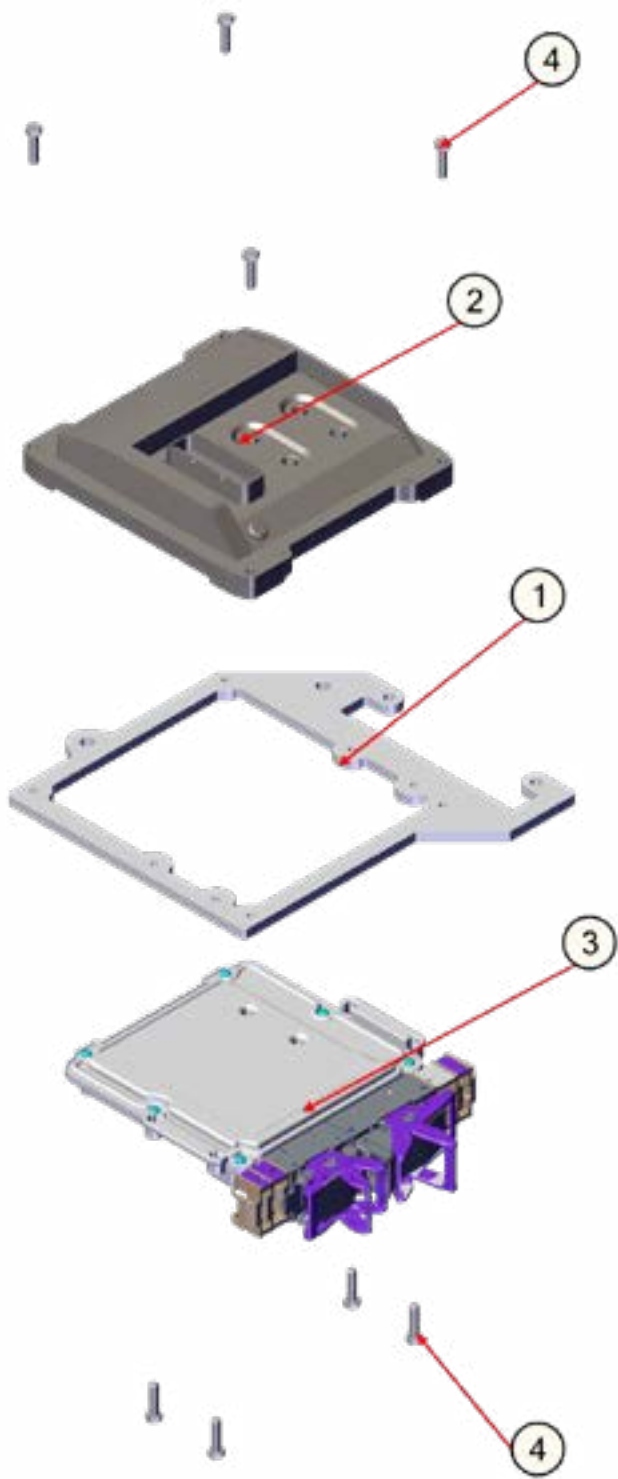
INST, ELECTRICAL, 3/3, Mantis P/N 32119086

Item Number	Part Number	Description	Qty
1	32113265	HARNESS, REAR CONTROL	1
2	32113293	HARNESS, HYO TANK	1
3	80973021	BATTERY, 12V GRP31 EXCAVATORS	2
4	32110526	BOLT, TIE DOWN	4
5	32113283	CABLE,ALTERNATOR	1
6	32113558	P-CLAMP, 3/4"1D, 1/2"W	3
7	2130200044	FUSE BAR, SINGLE STUD, 1/4-20	2
8	VA35050203	FUSE, MRBF, 200 AMP	1
9	02969728	HHCS M6 - 1.0 X 20MM	5
10	32111135	HHCS, M8 1.25 X 20, 10.9 ZP	2
11	32113274	CABLE, MAIN,(+) BATTERY	1
12	32113275	CABLE, MAIN,(-) BATTERY	1
13	32113276	CABLE, JUMPSTART	1
14	32113277	CABLE, GROUND, ENGINE	1
15	32113278	CABLE, MAIN FUSE	1
16	32113279	CABLE, GROUND, SKID	1
17	32113284	CABLE, STARTER	1
18	32113529	SWITCH, COLE HERSEE 75712-04	1
19	32116141	JUMPER TERMINAL, RED CAP	1
20	32113631	SWITCH, BAT DISCONNECT	1
21	VA35050202	FUSE, MRBF, 150 AMP	1
22	32113632	SHEET, POWER STRIP, MANTIS	1
23	32110510	HHCS M10 NC X 40 10.9 YZ	3
24	32110347	FW, M10, CL 10.9, ZIP	6
25	32110509	NUT, NYLOK, M10 NC 10.9 ZP	3
26	32110895	FW, M6, 10.9 ZP	6
27	15B600	WASHER 3/8 SAE P	4
28	00013901	NUT, HEX 3/8 NC PL	6
29	32110804	NUT, NYLOK, M6 NC 10.9 ZP	3
30	32113480	FLCS, M8-1.25 X 20MM, 8.8 ZP	1

INST, ELECTRICAL, 3/3, Mantis P/N 32119086

31	00024000	NUT HEX 1/4" NC PL	2
32	00024100	FLATWASHER STD 1/4 PL	2
33	32113628	SHEET, COVER STRIP, MANTIS	1
34	32113633	CAPNUT, 5/16" NC, PLASTIC	3
35	32113630	HARNESS, COWLING LIFT	1
36	32111980	PLATE, BATTERY HOLD DOWN	2
37	32115136	ASY, CONTROLLER STACK, MANTIS	1
38	32115137	ASY, BATTERY STAND, MANTIS	1
39	00772648	NUT,HEX TOP LOCK-M12 X 1.75	2
40	02980720	HHCS M12-P1.75 X 40 PL10.9	2
41	02998042	M12 X 24MM WASHER PLT	4

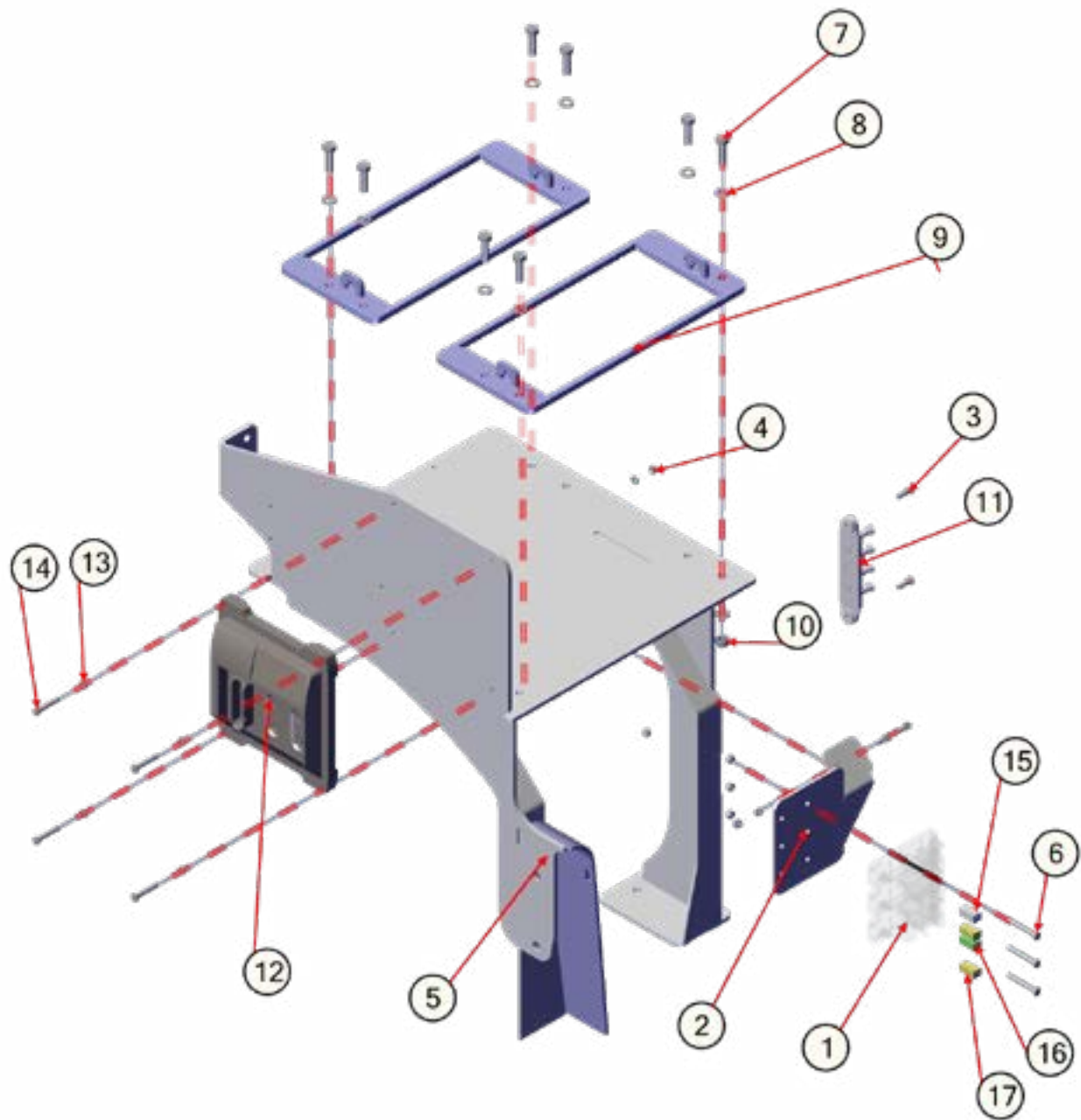
ASY, CONTROLLER STACK, Mantis P/N 32115136



ASY, CONTROLLER STACK, Mantis P/N 32115136

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32112385	PLATE, CONTROLLER MOUNT	1
2	32112439	CONTROLLER, MANTIS FRONT	1
3	32113629	CONTROLLER, PROGRAMMED	1
4	32110129	HHCS, M6-1.0X25MM, 10.9, YZN	8

ASY, BATTERY STAND, Mantis P/N 32115137



ASY, BATTERY STAND, Mantis P/N 32115137

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	VA2764-0035	RELAY	3
2	32112386	PLATE, RELAY MNT, MANTIS	1
3	02969728	HHCS M6 - 1.0 X 20MM	4
4	02998439	NYLOCK NUT, M6 x 1.0	11
5	32116199	WLDMT, BATTERY STAND, MANTIS	1
6	02998354	HHCS 6mm X 50mm LG	3
7	02979791	HHCS M10-1.5 X 35MM PL10.9	8
8	32110347	FW, M10, CL 10.9, ZIP	16
9	32116073	WLDMT, BATTERY MOUNT	2
10	32110509	NUT, NYLOK, M10 NC 10.9 ZP	8
11	1130200008	TERMINAL, NEGATIVE BUS 5/16	1
12	32112440	CONTROLLER, MANTIS REAR	1
13	32110895	FW, M6, 10.9 ZP	8
14	32110500	HHCS M6 NC X 40, 0.9 ZP	4
15	32113670	FUSE, FMX 25 AMP, WHITE	1
16	VA2297-0020	FUSE, FMX 40 AMP, GREEN	1
17	VA2297-0022	FUSE, FMX 60 AMP, YELLOW	2

PARTS-6 OPTIONS

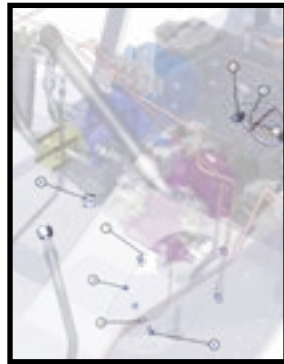


Fig 34.

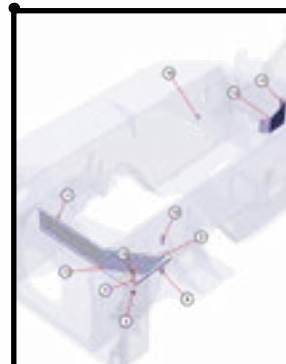


Fig 33.

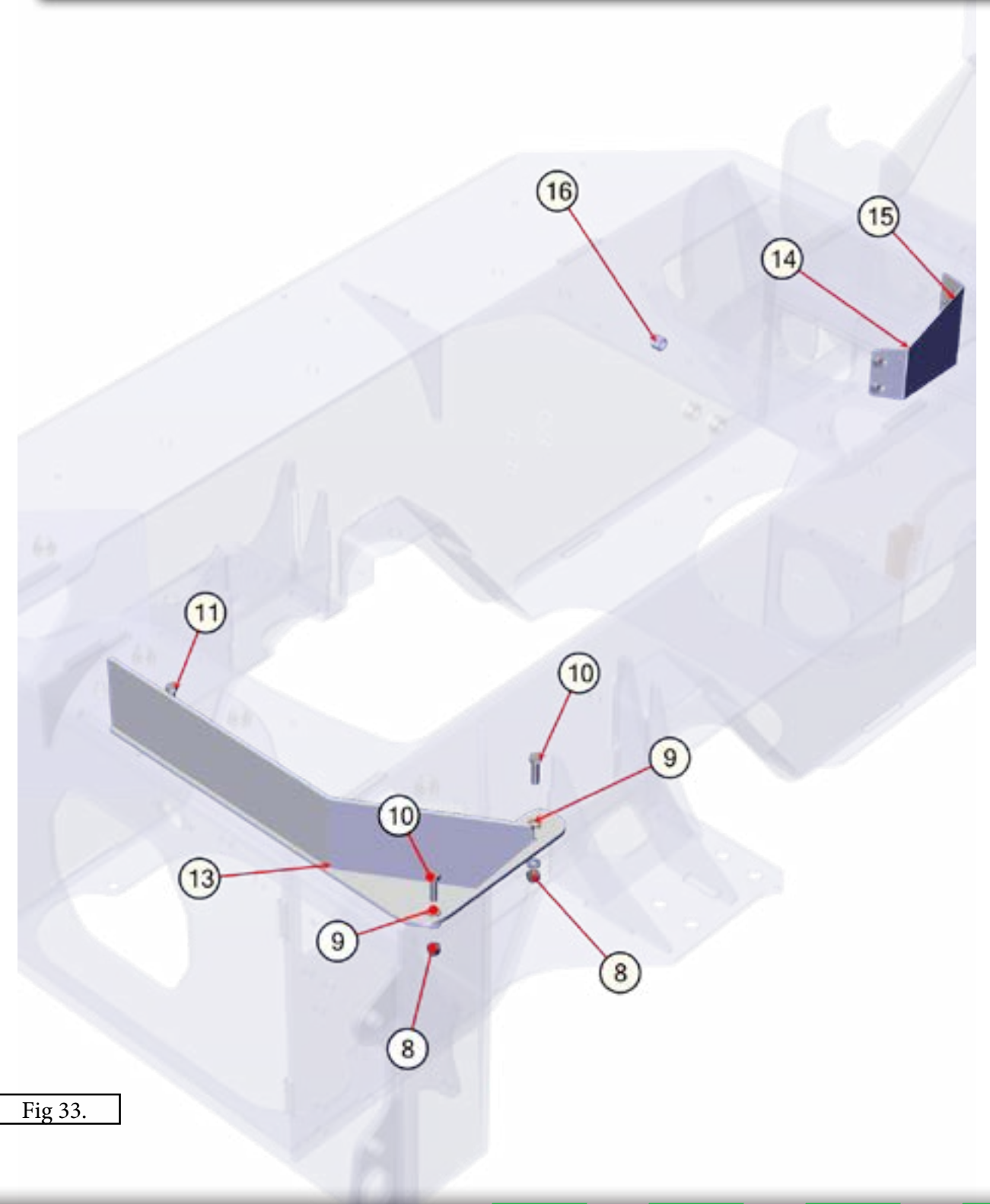


Fig 33.

INST, BASE MACHINE, Mantis P/N 32119092

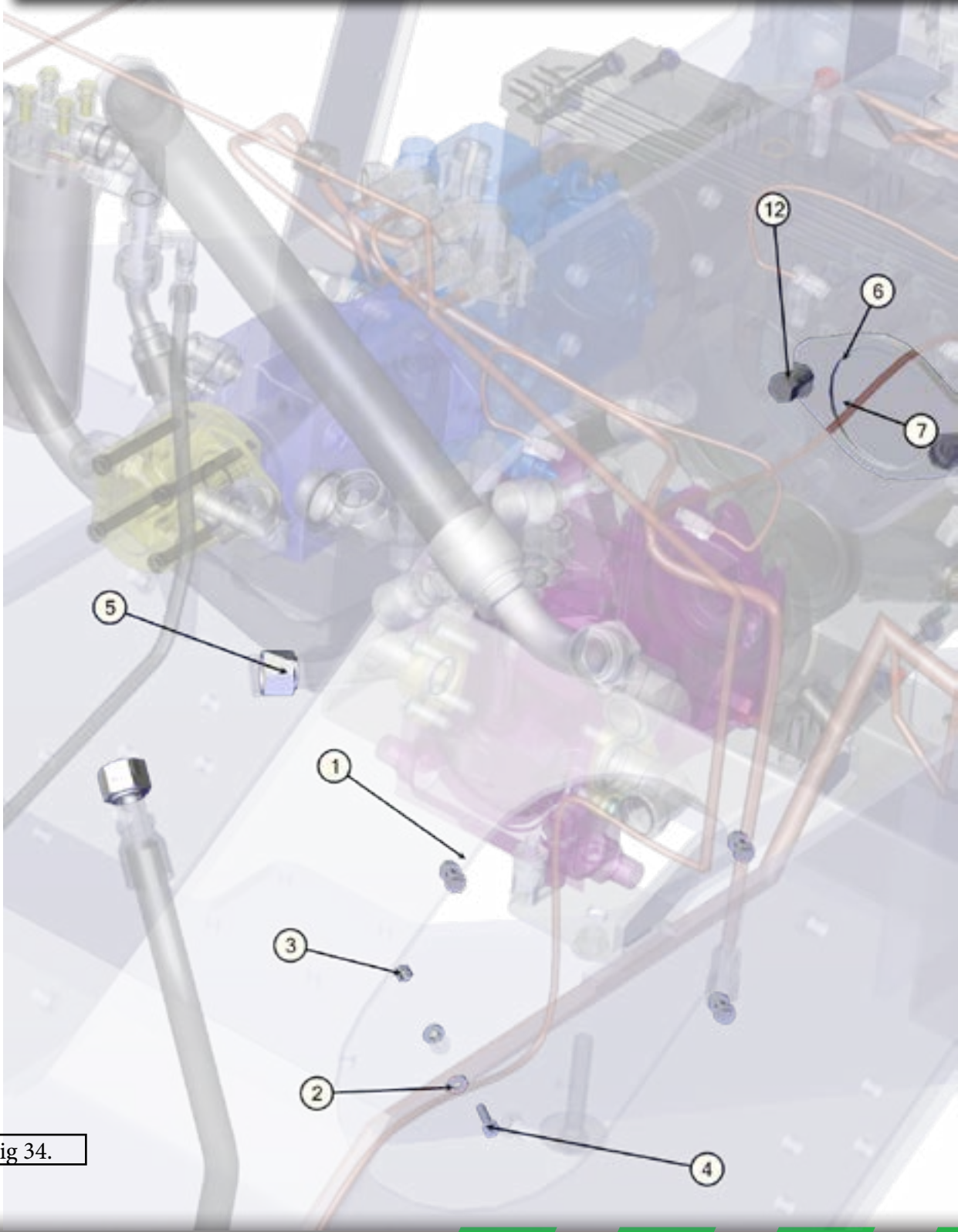


Fig 34.

INST, BASE MACHINE, Mantis P/N 32119092

Item Number	Part Number	Description	Qty
1	32116202	WLDMT, LH COVER	1
2	00024100	FLATWASHER STD 1/4 PL	8
3	02959924	NUT, TOPLOCK 1/4 NC PLB	4
4	10058000	HHCS 1/4NC-1" PL GR5	4
5	02999327	HYO FTG, 12FF, CAP	3
6	80243021	O-RING - 70 DURO - BUNA-N	1
7	80934742	COVER PLATE	1
8	32113488	NUT, TPLK, M110-1.5, CLS 10 ZN	2
9	80233220	FW, M10, CL 10.9, ZP	5
10	02961228	METRIC BOLT M10-P1.5 - 40MM	2
11	00754352	HHCS, M10-1.5 X 35MM, ZN8.8	1
12	32120508	BOLT, M14X25MM P-2.010.9	2
13	32116200	WLDMT, FIX FRT COVER, RH	1
14	32112435	PLATE, DEF, BLOCK OFF	1
15	32113480	FLCS, M8-1.25 X 20MM, 8.8 ZP	4
16	32122656	HYO FTG, 06FF, CAP	1



Fig 34a.

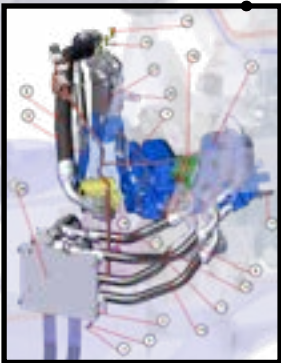
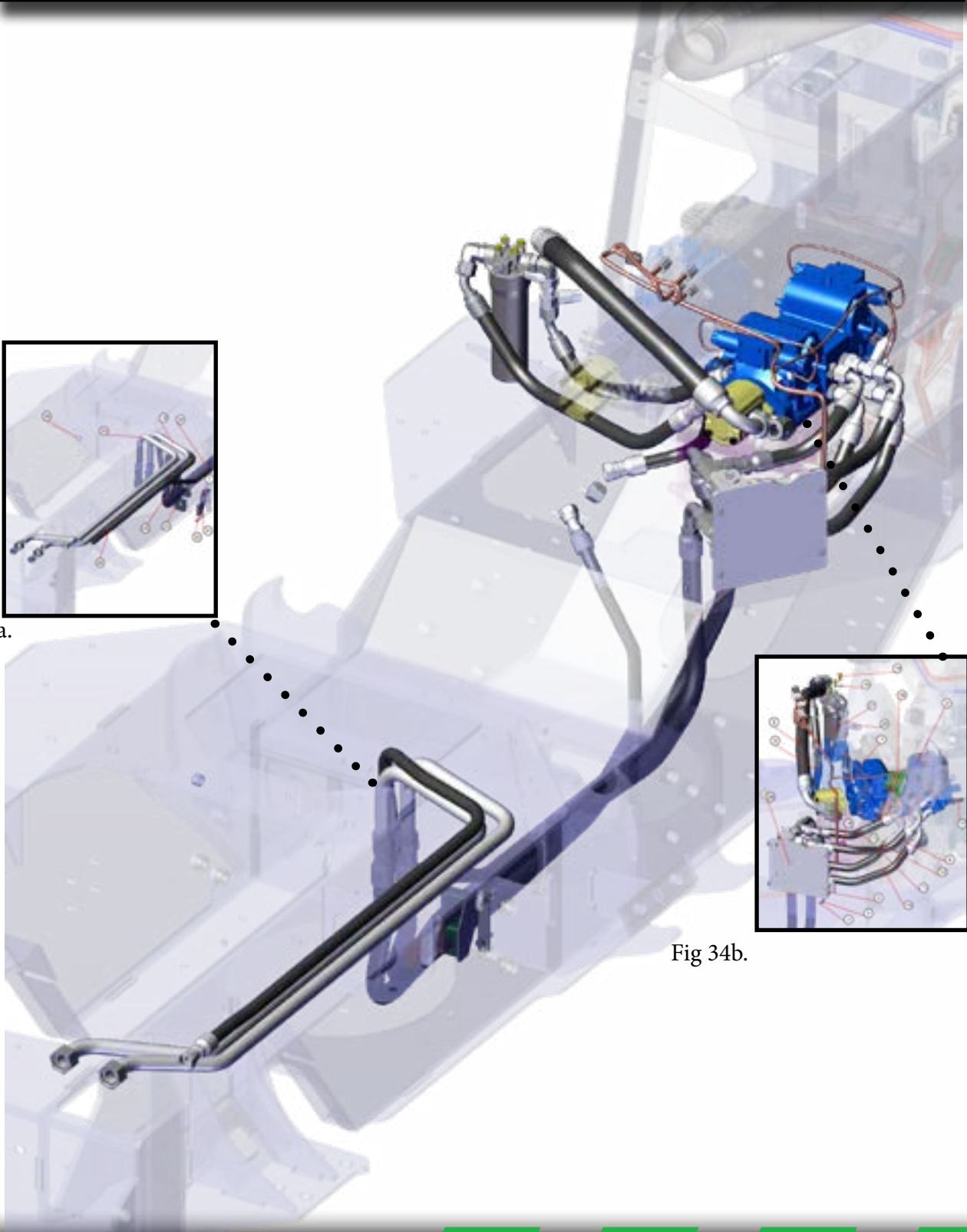


Fig 34b.

Fig 34a.

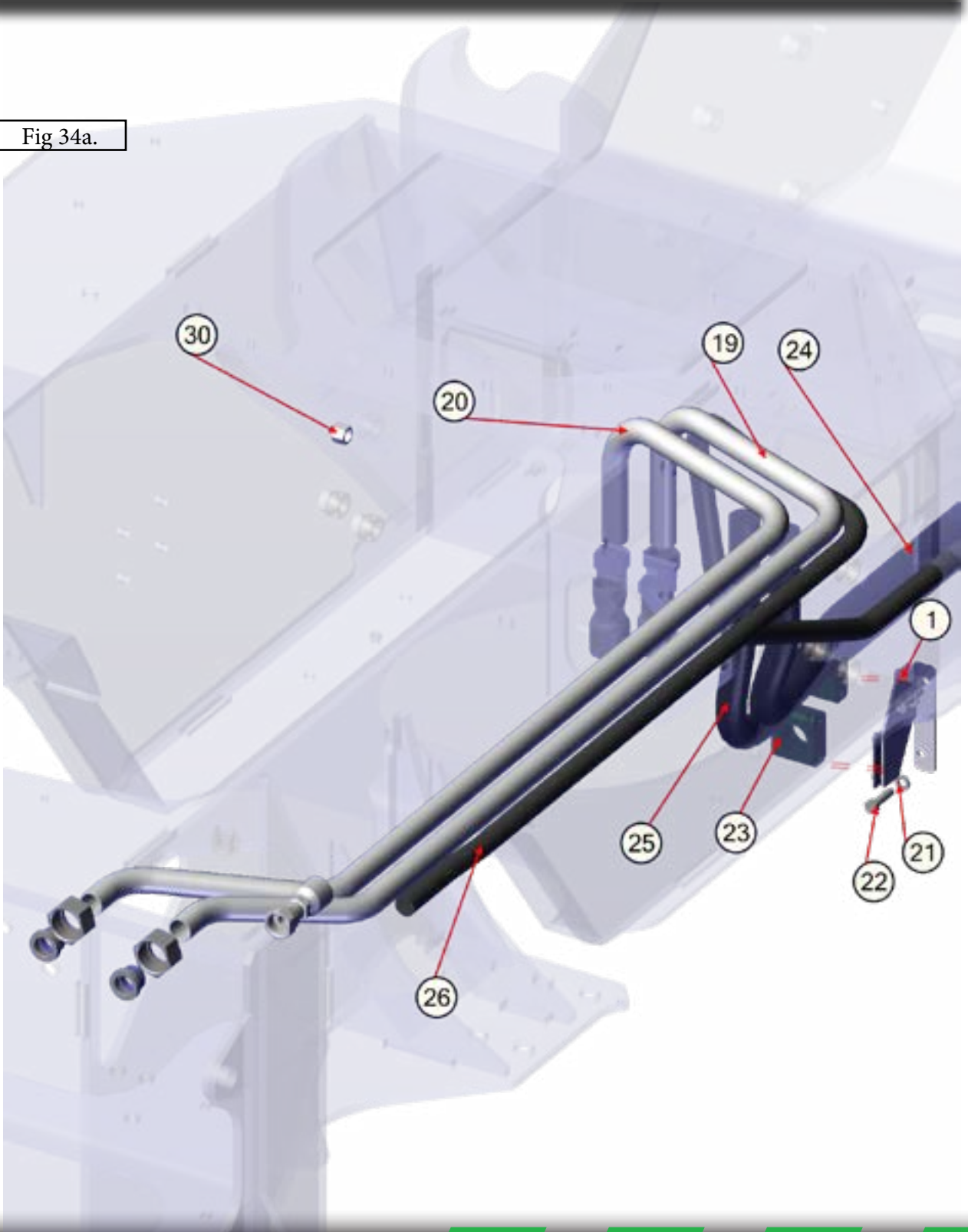
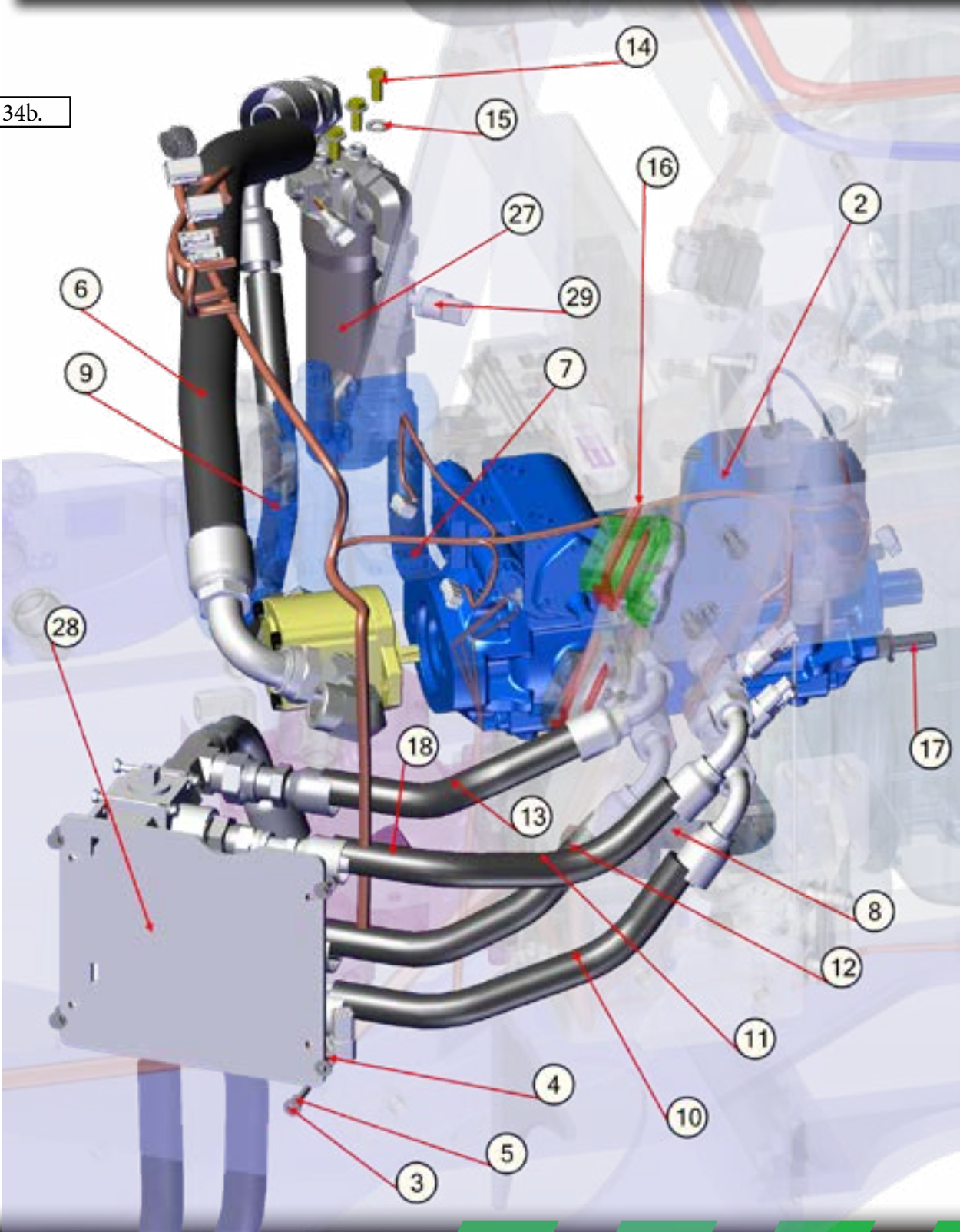
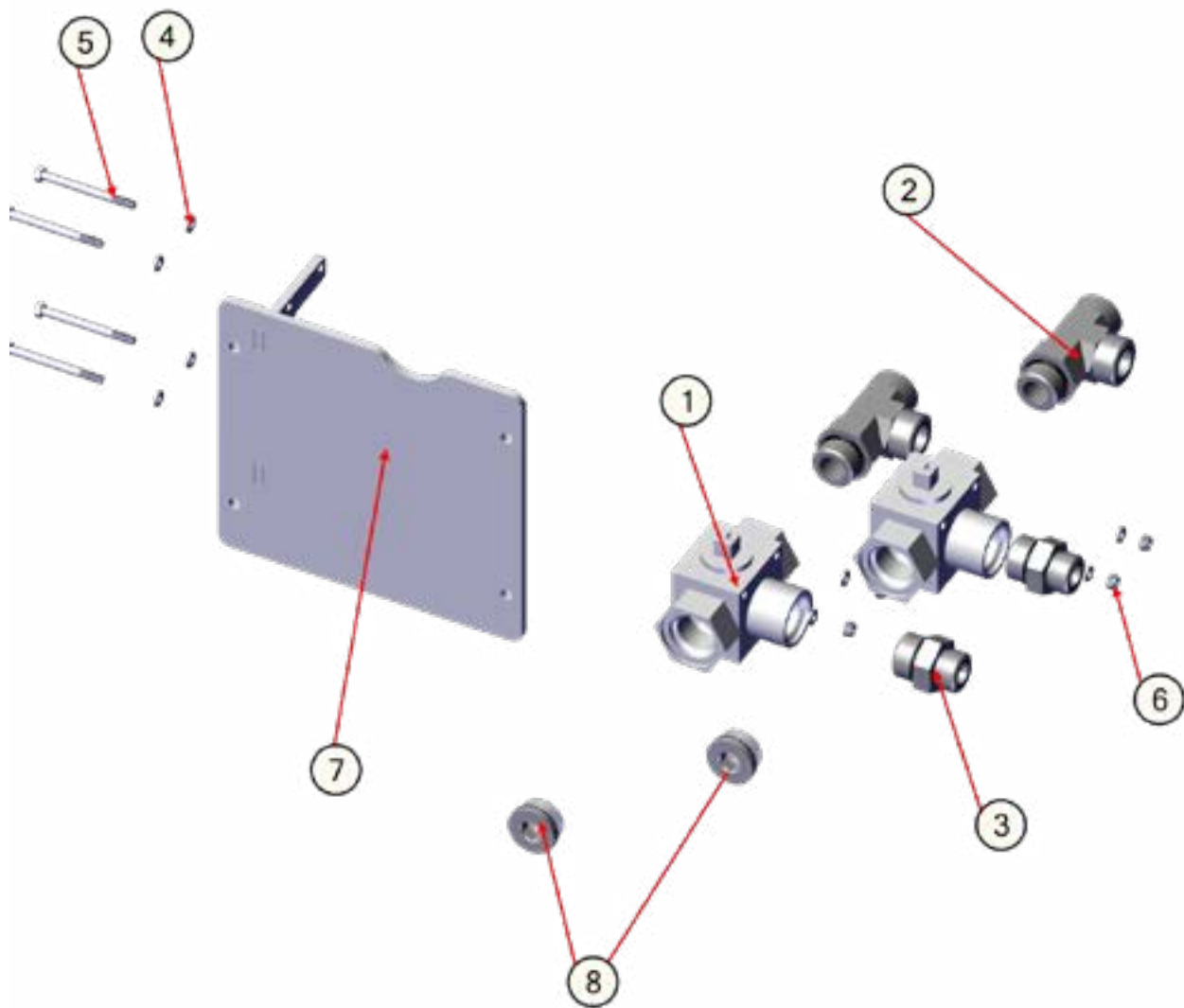


Fig 34b.



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32116203	WLOMT, 2 CLAMP, HF PUMP HOSES	1
2	32115079	ASY, HF PUMP STACK & FITTINGS	1
3	00024100	FLATWASHER STD 1/4 PL	8
4	02959924	NUT, TOPLOCK 1/4 NC PLB	4
5	10058000	HHCS 1/4NC-1" PL GR5	4
6	32113310	HOSE #20 20FFX-20FFX90 28.25	1
7	32113316	HOSE #12 12FFX45-08FFX90 23 90	1
8	32113336	HOSE #12 12FFX-12FFX 24.50	1
9	32113313	HOSE #12 12FFXLG-12FFX45 33	1
10	32113357	HOSE #12 12FFX90-12FFXLG 180	1
11	32113358	HOSE #12 12FFX90-12FFXLG 17	1
12	32113359	HOSE #12 12FFX90-16FFXLG 17	1
13	32113360	HOSE #12 12FFX90-16FFXLG 160	1
14	000645	HHCS 3/8 NC 7/8 PL5	4
15	15B600	WASHER 3/8 SAE P	4
16	32113260	HARNESS, WAM PUMP	1
17	32113505	FLCS, M14-2.0 X 40MM, ZN 10.9	2
18	02999327	HYO FTG, 12FF, CAP	1
19	32113577	HYO TUBE, FRT QO, TB9	1
20	32113576	HYO TUBE, FRT QO, TB8	1
21	88681485	WASHER, M10	2
22	02961228	METRIC BOLT M10-P1.5- 40MM	2
23	02965059	CLAMP -1-1/2 TUBE SINGLE	2
24	32113392	HOSE #16 16FFX-16FFX90M 76	1
25	32113391	HOSE #16 16FFX-16FFX90M 87	1
26	32113329	HOSE #12 12FFXLG-12FFXLG 137	1
27	32115133	ASY, FILTER F/P HYO, MANTIS	1
28	32115134	ASY, FRNT HYD BL VLVS, MANTIS	1
29	32113435	SENSOR, PRESSURE, 500PSI	1
30	32122656	HYO FTG, 06FF, CAP	1

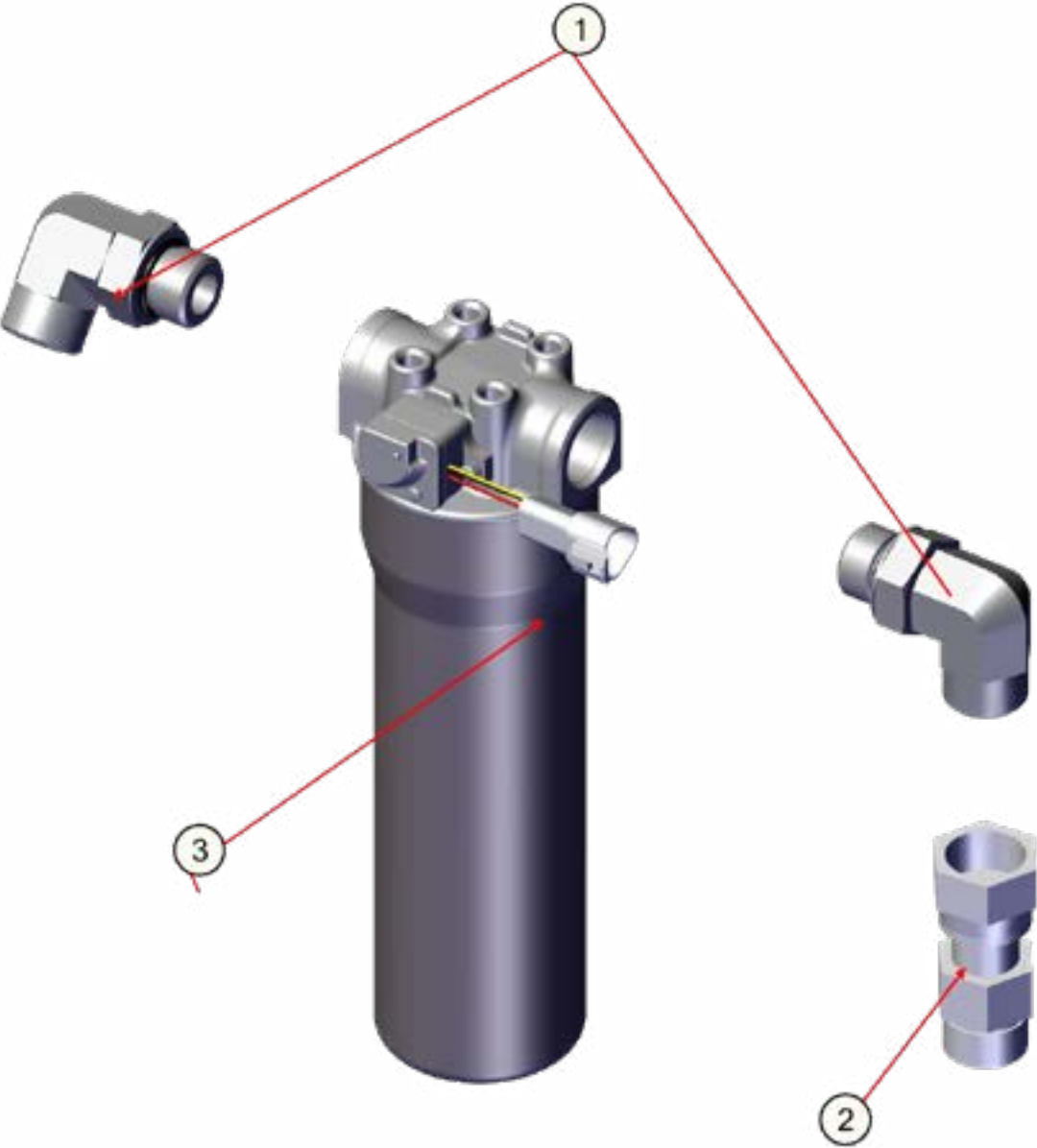
ASY, FRNT HYD BL VLVS, Mantis P/N 32115134



ASY, FRNT HYD BL VLVS, Mantis P/N 32115134

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32113639	VALVE #16 3-WAY BALL MNTBL	2
2	32123445	HYO TEE, 16MF-16MF-16MB, BRNCH	2
3	32113635	HYO ADP FTG, 12MF X 16MB	2
4	32110895	FW, M6, 10.9 ZP	8
5	32113634	HHCS, M6-1.0 X 75MM, 8.8 PL	4
6	32110804	NUT, NYLOK, M6 NC 10.9 ZP	4
7	32116202	WLDMT, LH COVER	1
8	32113637	HYO PLUG 16MB SKT	2

ASY, FILTER F/P HYD, Mantis P/N 32115133



ASY, FILTER F/P HYD, Mantis P/N 32115133

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32121438	HYO ADP, 12MB X 12MF - 90	2
2	32113438	12MFS-12FFSS-04FORB Branch Tee	1
3	32113550	FILTER, CHARGE, MANTIS 2	1

Spare Parts			
Parent Part	Part Number	Description	Qty
32113550	32124672	SENSOR, CLOG, CHARGE FILTER	1
32113550	32113719	FILT ELMT, CHARGE, PARKER	1

Fig 35.

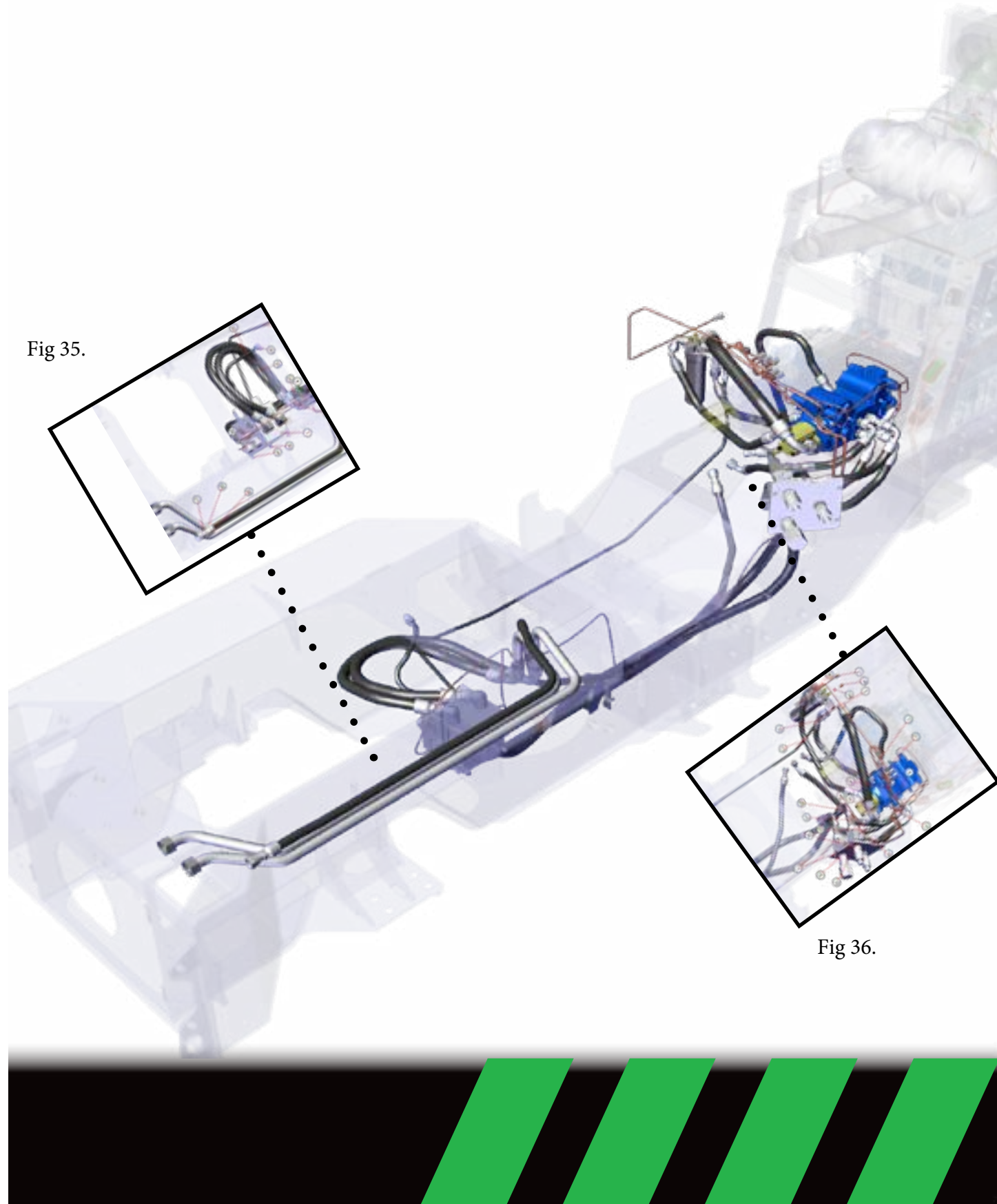
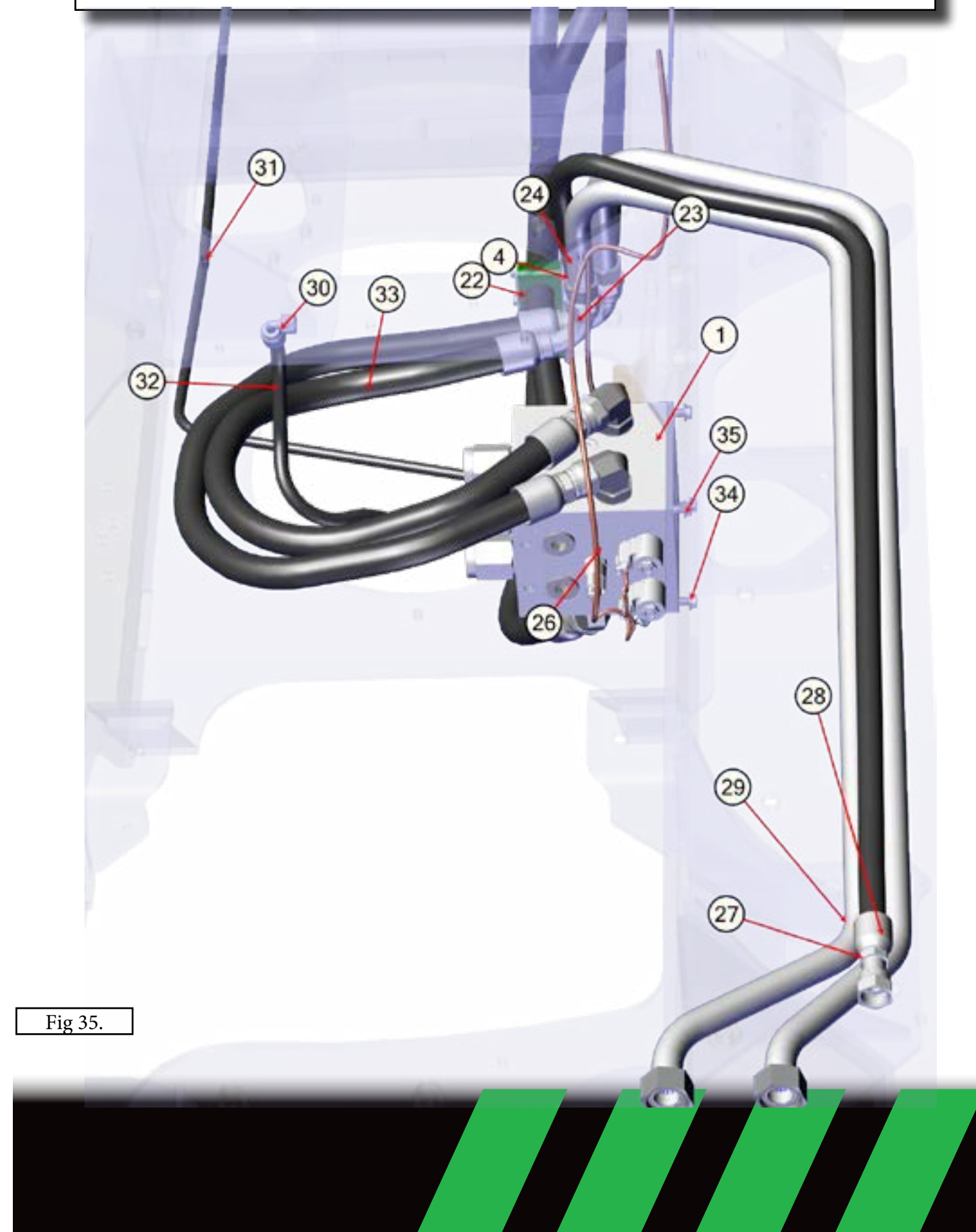


Fig 36.

Fig 35.



INST, PREMIUM MACHINE 1/2, Mantis P/N 32119094

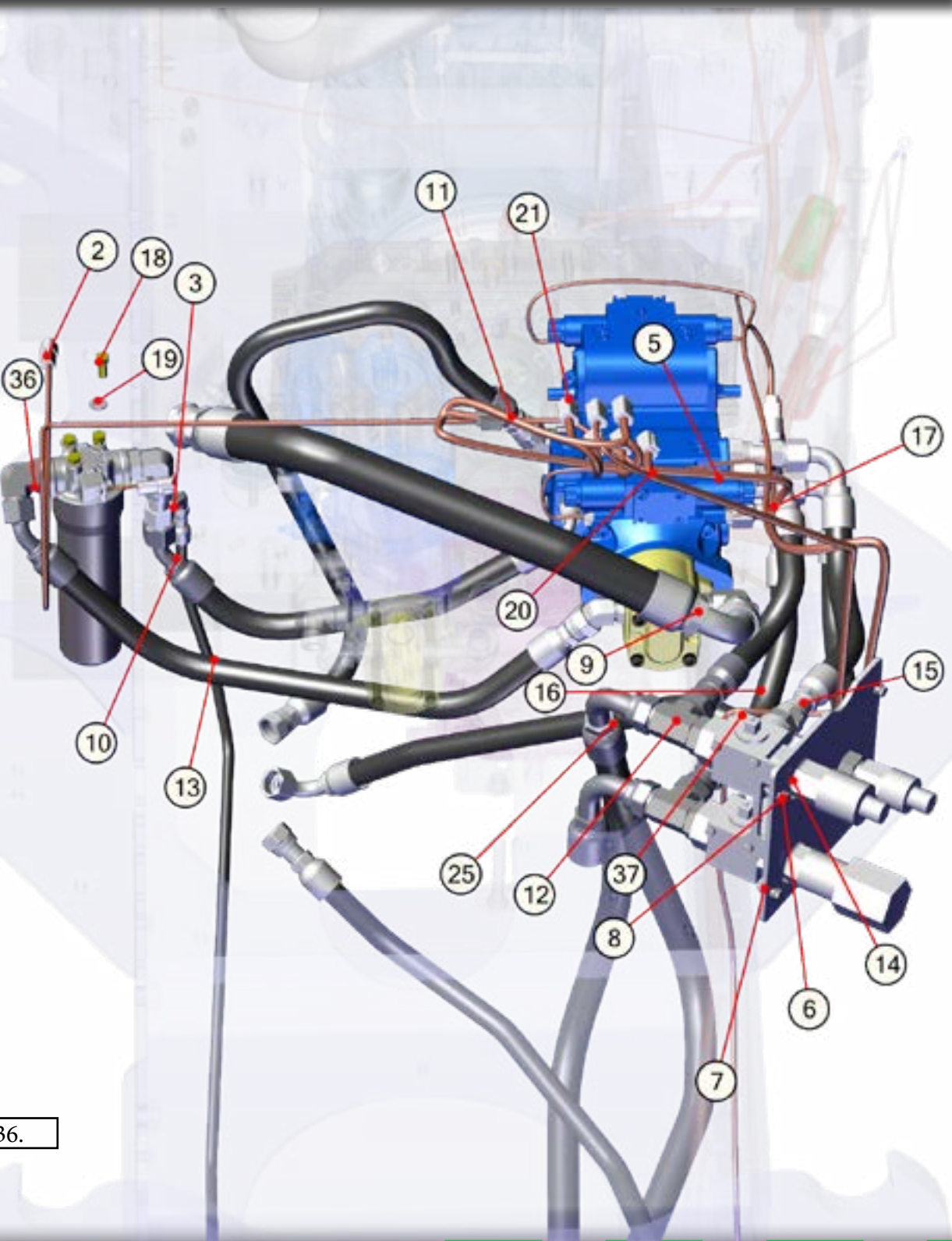
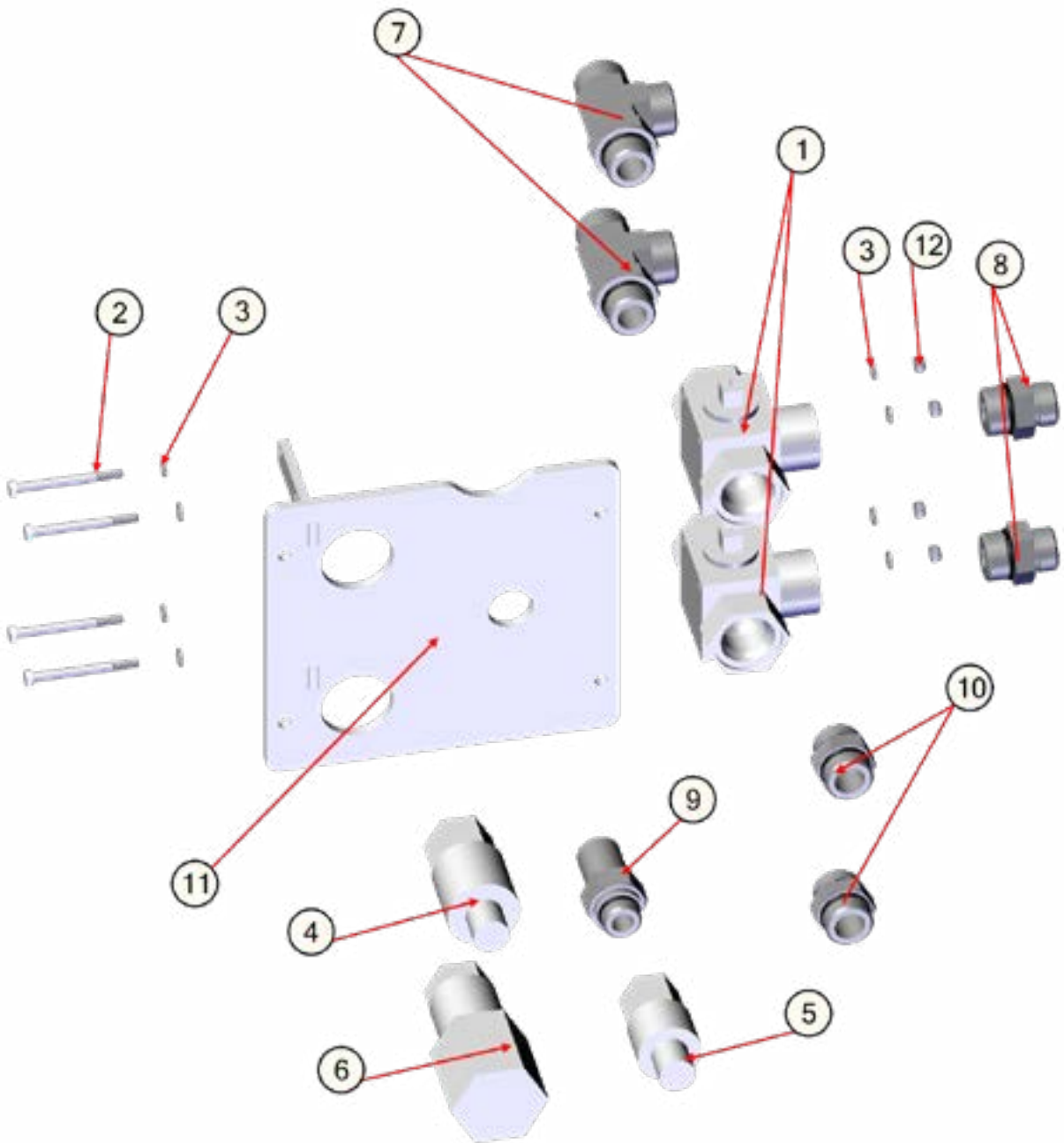


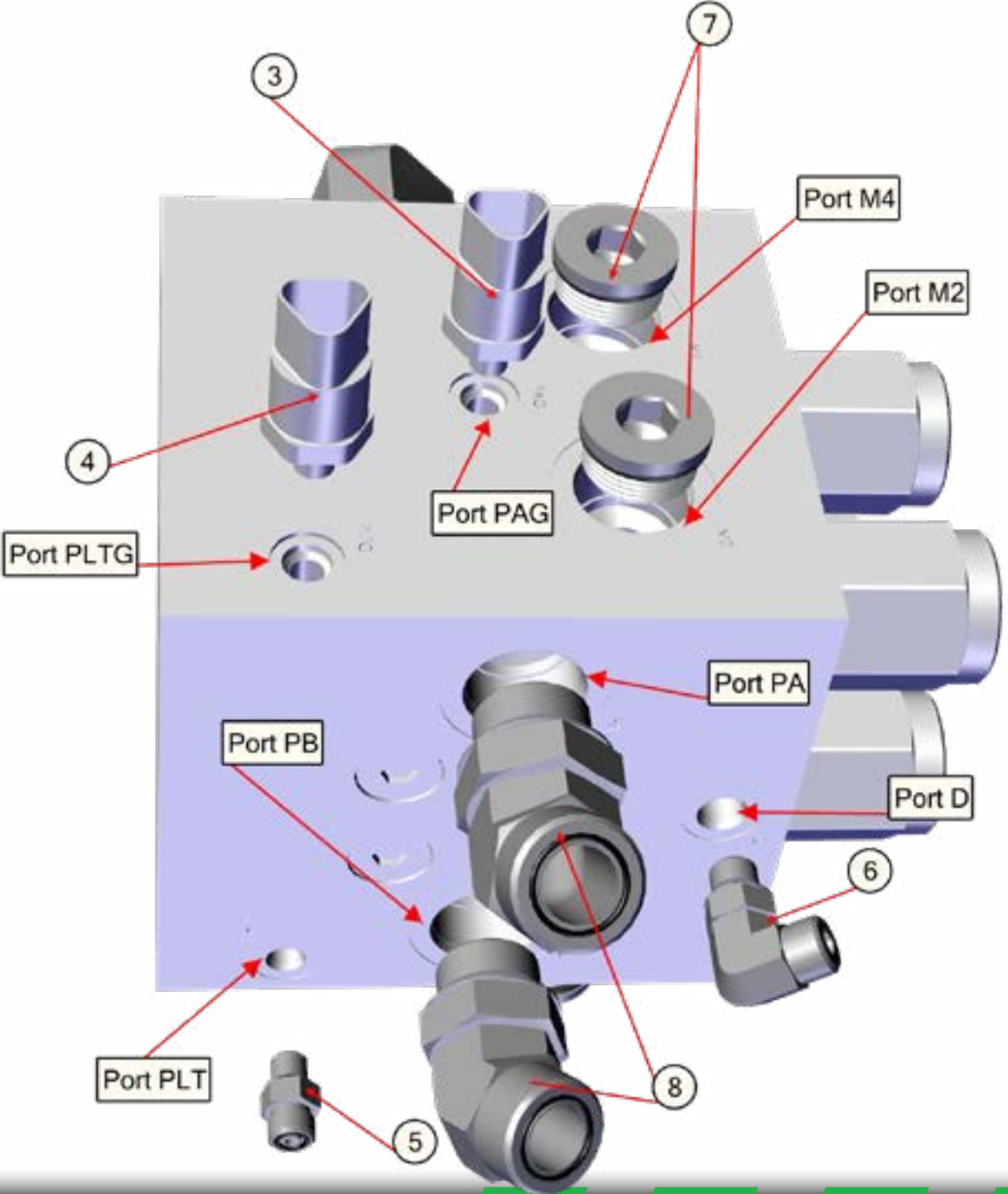
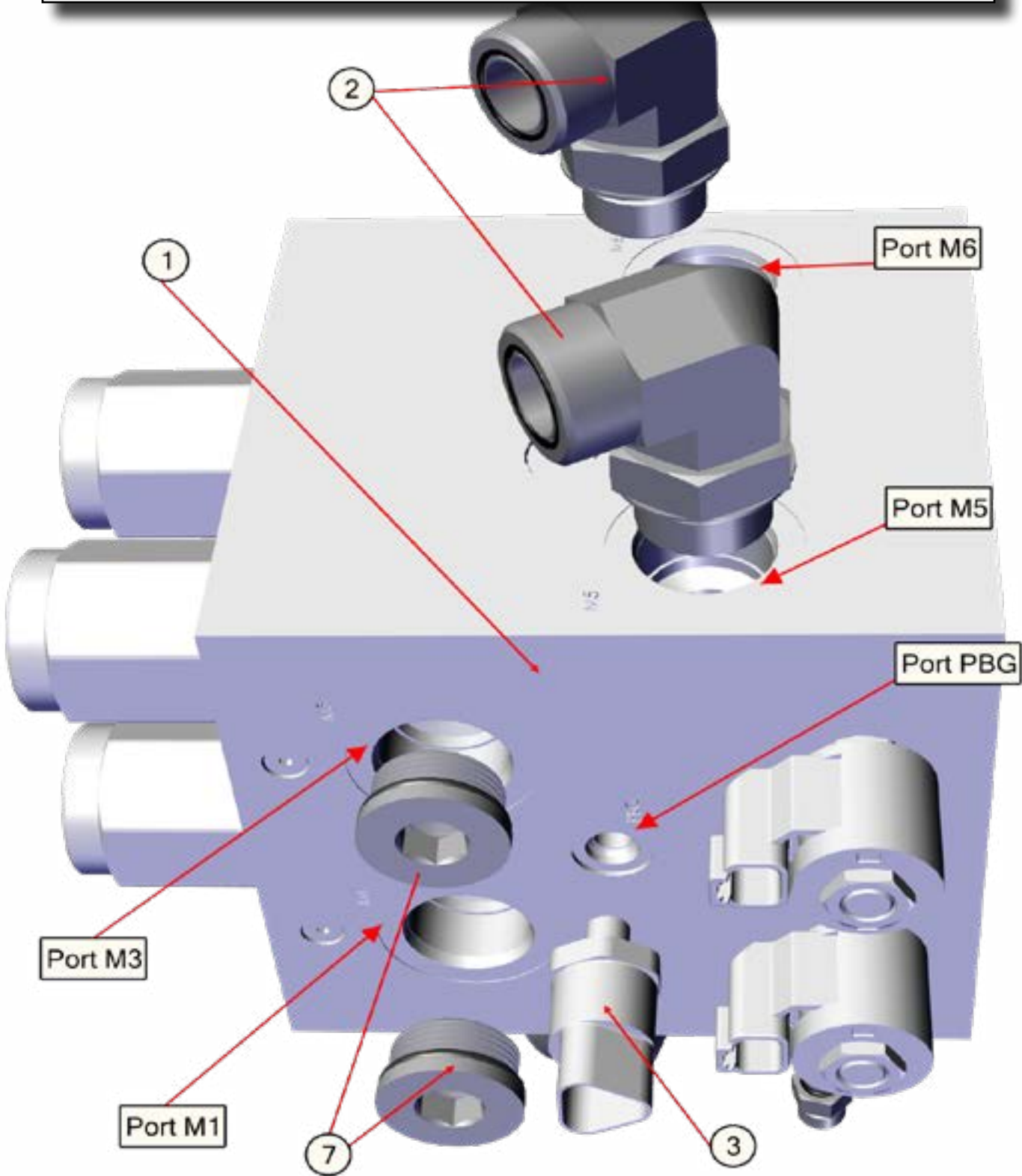
Fig 36.

INST, PREMIUM MACHINE 1/2, Mantis P/N 32119094

Item Number	Part Number	Description	Qty
1	32115096	ASY, MANIFOLD, HI-FLOW	1
2	32113292	HARNESS, EXP, HI-FLOW	1
3	02998425	HYD ADP FTG, 04MF X 04MB X 90	1
4	32116203	WLDMT, 2 CLAMP, HF PUMP HOSES	1
5	32115079	ASY, HF PUMP STACK & FITTINGS	1
6	00024100	FLATWASHER STD 1/4 PL	8
7	02959924	NUT, TOPLOCK 1/4 NC PLB	4
8	10058000	HHCS 1/4NC-1" PL GR5	4
9	32113310	HOSE #20 20FFX-20FFX90 28.25	1
10	32113316	HOSE #12 12FFX45-08FFX90 23 90	1
11	32113336	HOSE #12 12FFX-12FFX 24.50	1
12	32113311	HOSE #12 12FFX-12FFX90 28	1
13	32113313	HOSE #12 12FFXLG-12FFX45 33	1
14	32113357	HOSE #12 12FFX90-12FFXLG 18□	1
15	32113358	HOSE #12 12FFX90-12FFXLG 17	1
16	32113359	HOSE #12 12FFX90-16FFXLG 17	1
17	32113360	HOSE #12 12FFX90-16FFXLG 16□	1
18	000645	HHCS 3/8 NC 7/8 PL5	4
19	15B600	WASHER 3/8 SAE P	4
20	32113260	HARNESS, WAM PUMP	1
21	32113505	FLCS, M14-2.0 X 40MM, ZN 10.9	2
22	02965059	CLAMP -1-1/2 TUBE SINGLE	2
23	02961228	METRIC BOLT M10-P1.5 - 40MM	2
24	88681485	WASHER, M10	2
25	32113391	HOSE #16 16FFX-16FFX90M 87	1
26	32113392	HOSE #16 16FFX-16FFX90M 76	1
27	32113329	HOSE #12 12FFXLG-12FFXLG 137	1
28	32113577	HYD TUBE, FRT QD, TB9	1
29	32113576	HYD TUBE, FRT QD, TB8	1
30	32113341	HOSE #06 06FFXLG-06FFX90 26	1
31	32113344	HOSE #04 04FFX-04FFX90 108	1
32	32113356	HOSE #16 16FFX-16FFX90 42.5	1
33	32113355	HOSE #16 16FFX-16FFX90 36.75	1
34	00753642	HHCS 3/8 NC 1-1/4 PL5	4
35	00011100	FLATWASHER 3/8 STD	4
36	32115133	ASY FILTER F/P HYD, MANTIS	1
37	32115135	ASY, PREM HYD BL VLVS, MANTIS	1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32113639	VALVE #16 3-WAY BALL MNTBL	2
2	32113634	HHCS, M6-1.0 X 75MM, 8.8 PL	4
3	32110895	FW, M6, 10.9 ZP	8
4	02996757	QUICK DISCONNECT, FSI 16 M	1
5	02996761	QUICK DISCONNECT, FSI 12 M	1
6	02996758	QUICK DISCONNECT, FSI 16 F	1
7	32123445	HYD TEE, 16MF-16MF-16MB, BRNCH	2
8	32113635	HYD ADP FTG, 12MF X 16MB	2
9	32123436	HYDADP, 12MB-12MF BLKHD	1
10	02999472	HYD ADP, 16MB-16MB	2
11	32116201	WLDMT, LH BULKHEAD	1
12	32110804	NUT, NYLOK, M6 NC 10.9 ZP	4



ASY, HIGH FLOW MANIFOLD , Mantis P/N 32115096

Item Number	Part Number	Title	Qty
1	32113227	MANIFOLD, HIGH FLOW	1
2	02998969	ADP HYO ELBOW 16MB-16MF 90	2
3	32113436	SENSOR, PRESSURE, 5000PSI	2
4	32113435	SENSOR, PRESSURE, 500PSI	1
5	02998424	HYO ADP FTG, 04MF X 04MB	1
6	02998821	HYO ADP, 06MB X 06MF X 90	1
7	32113637	HYO PLUG 16MB SKT	4
8	02999473	HYO ADP, 16MB-16MF 45	2

Spare Parts

Parent Part	Part Number	Description	Qty
32113227	32123064	VALVE, ENABLE	2
32113227	32124692	VALVE, PILOT DIRECTION	4
32113227	02995447	COIL, CONTROL	2

INST, F/P MACHINE 2/2 , Mantis P/N 32119095

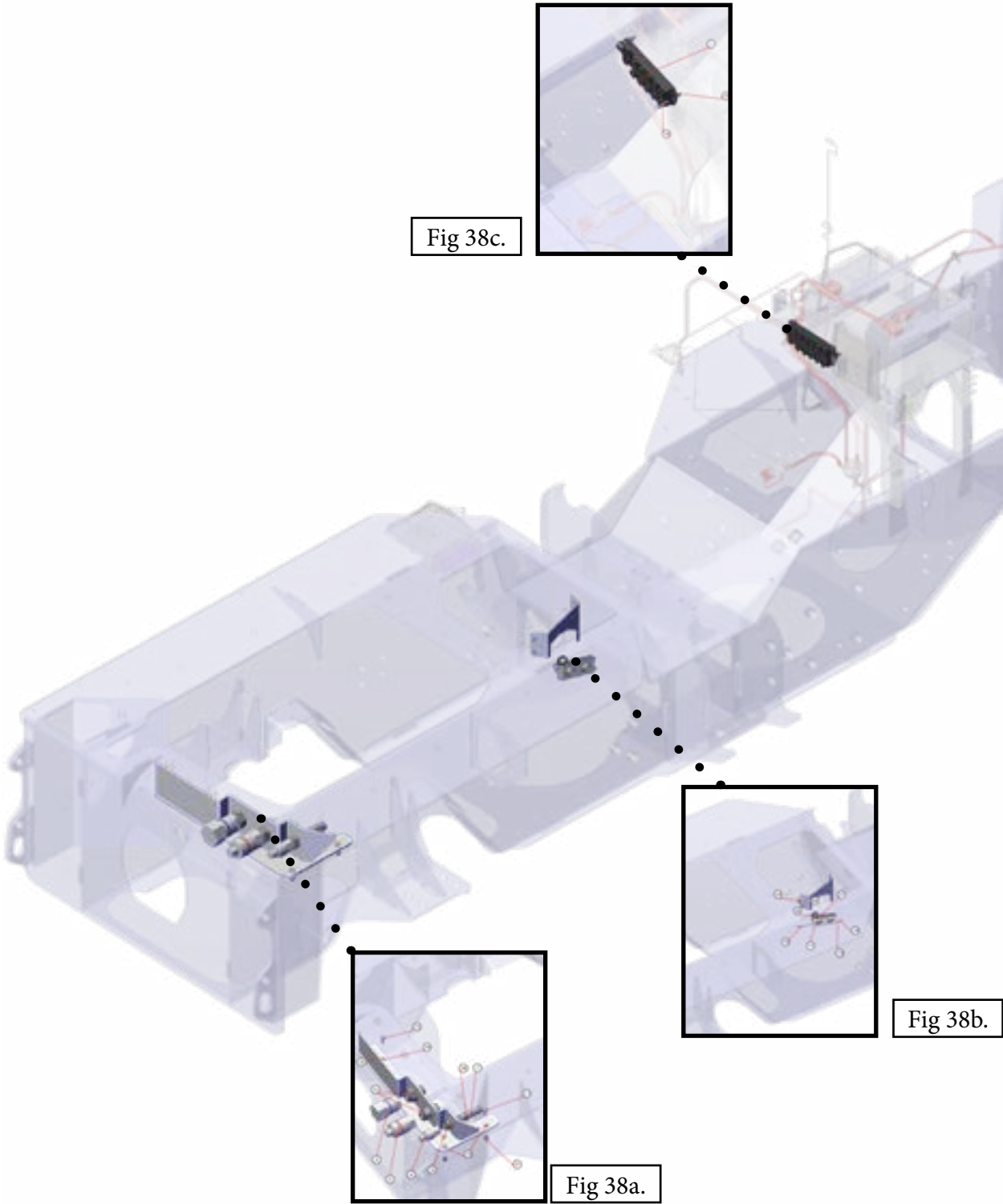


Fig 38a.

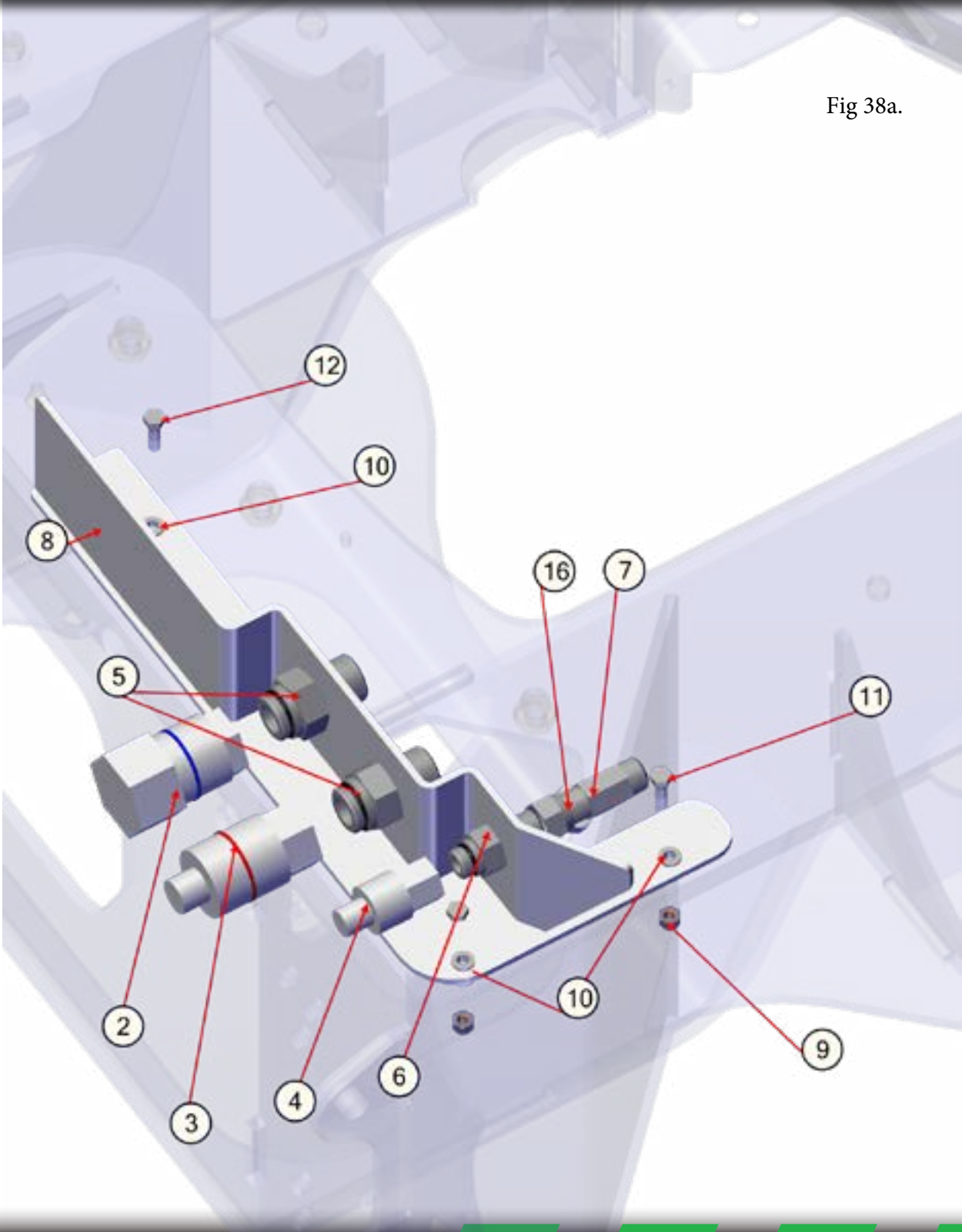
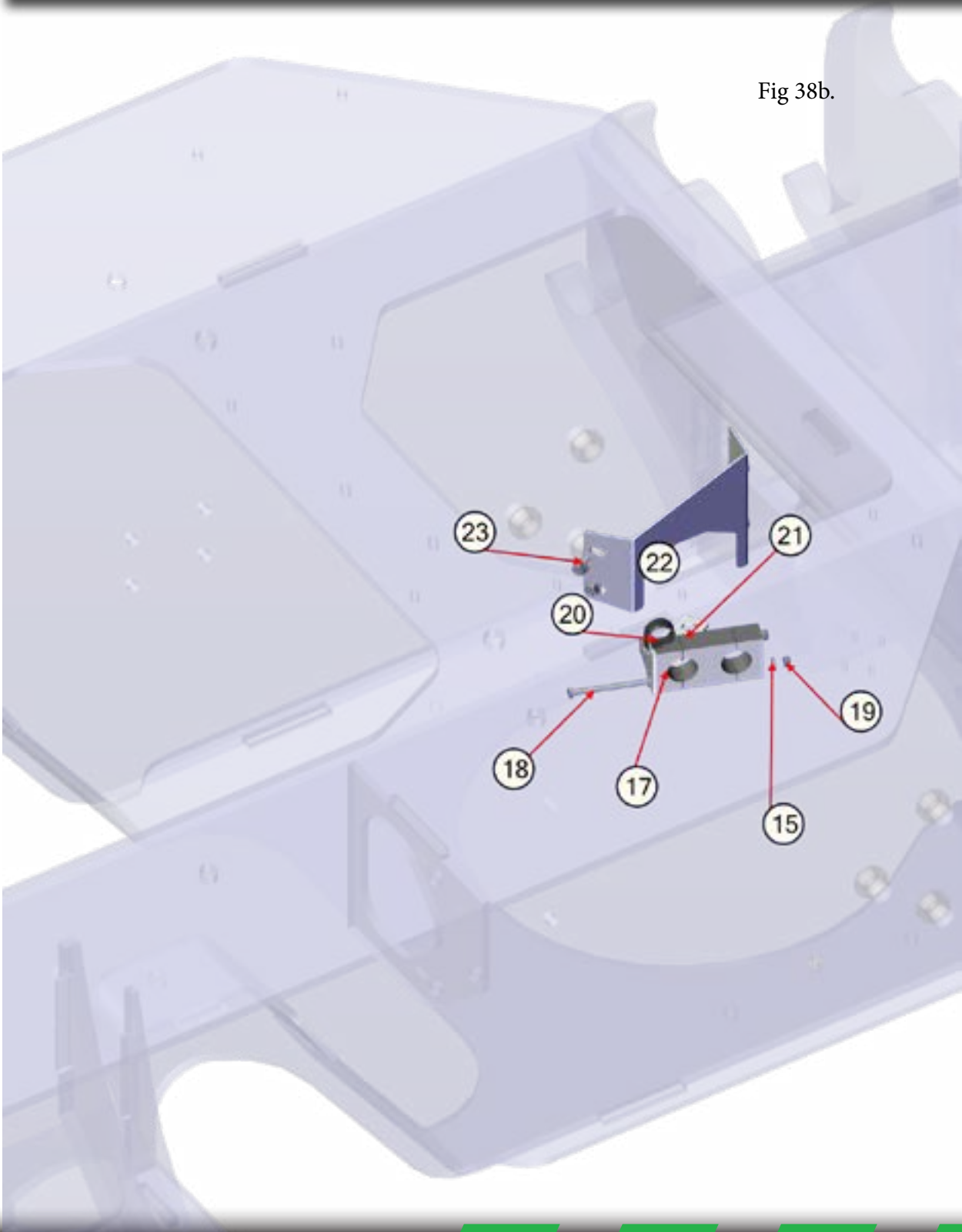


Fig 38b.



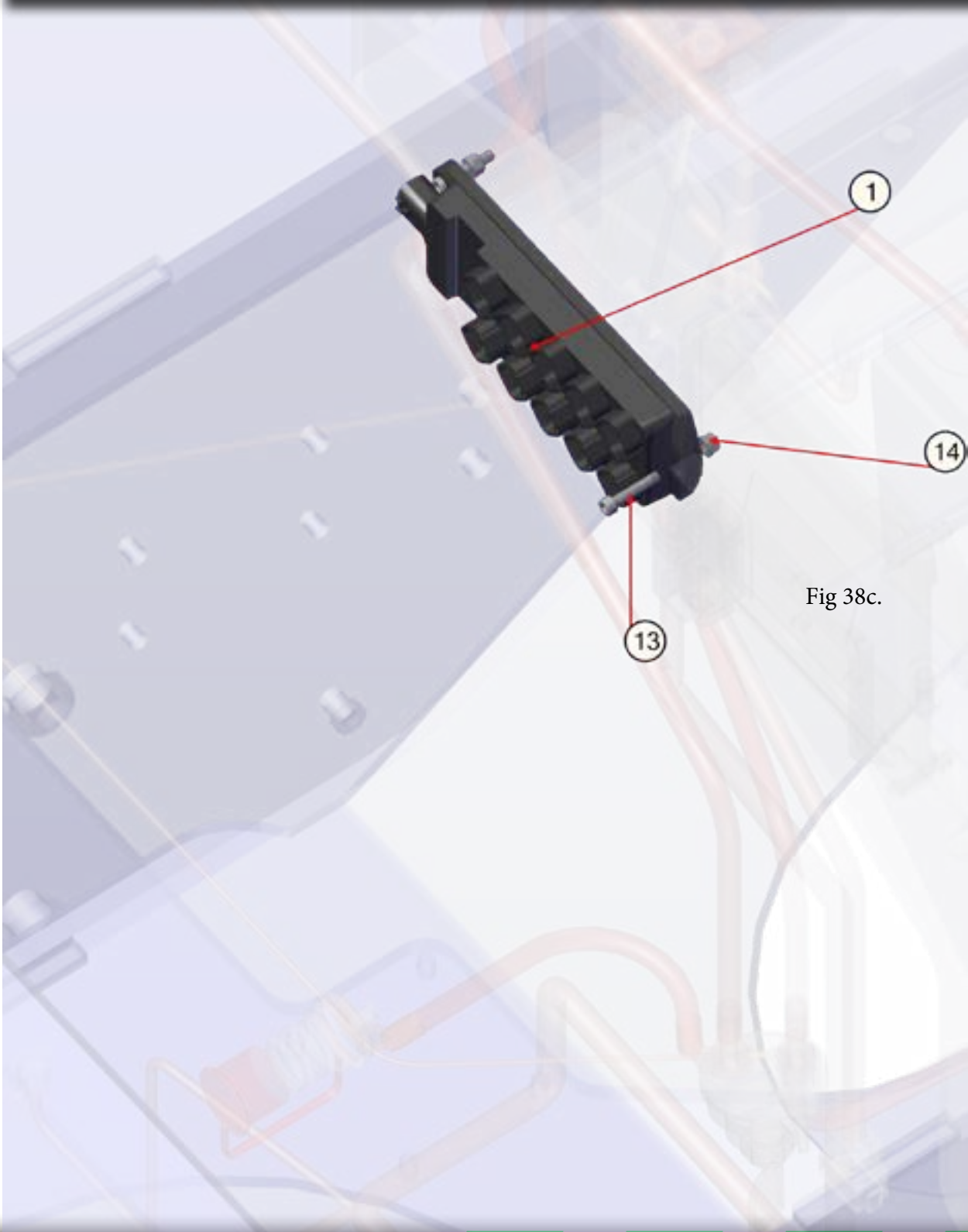
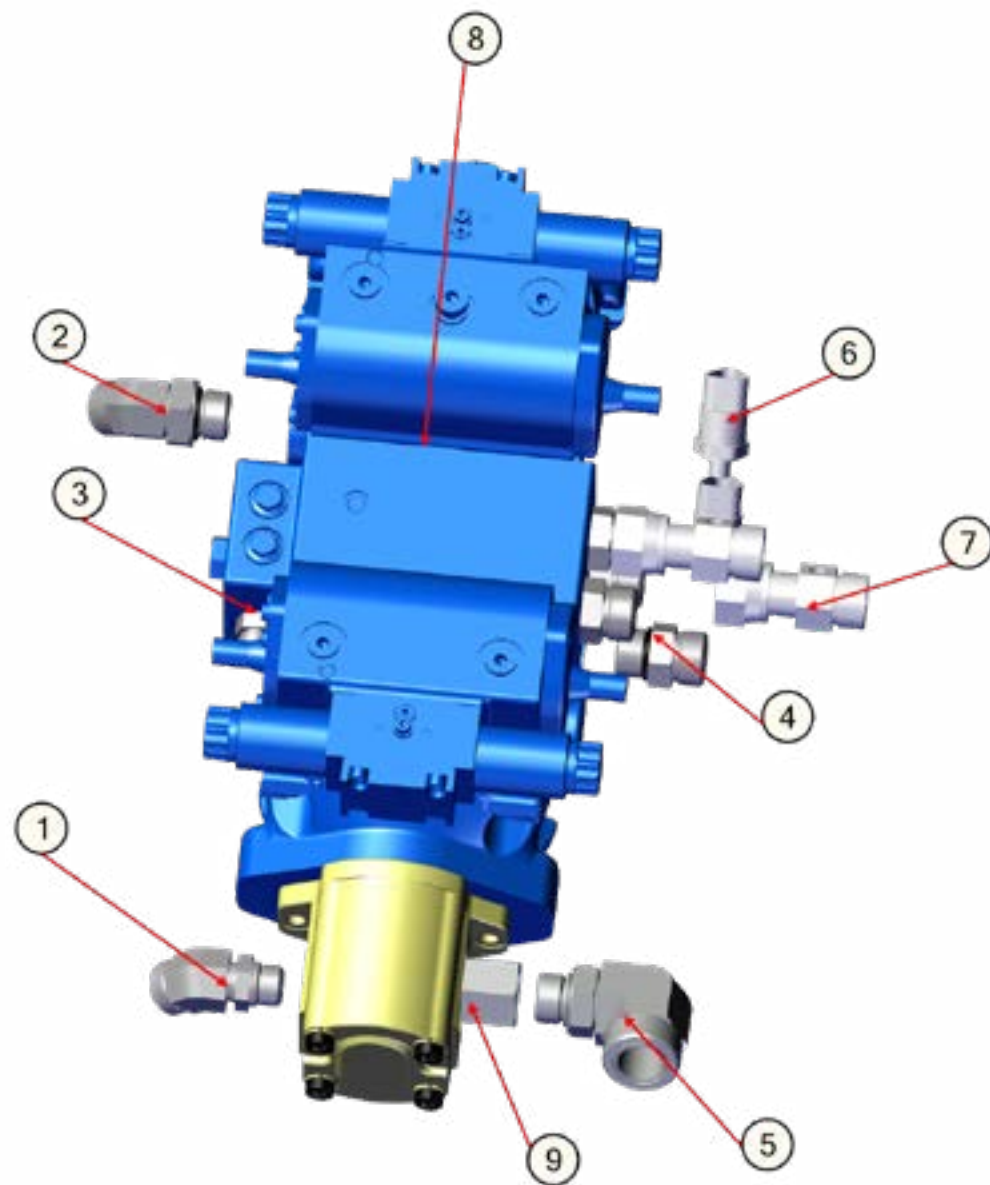


Fig 38c.

ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY
1	32113578	Electrical, IFM 2052	1
2	32113579	QUICK DISCONNECT, FSI 20 F	1
3	32113580	QUICK DISCONNECT, FSI 20 M	1
4	02996761	QUICK DISCONNECT, FSI 12 M	1
5	32123456	HYO ADP, 20MB-20MF, BLKHD	2
6	32123436	HYO ADP, 12MB-12MF BLKHD	1
7	MVSF0223	HYO FTG 12FFX-12MF-12MF RUN TE	1
8	32116204	WLDMT, BLKHD COVER, RH	1
9	32113488	NUT, TPLK, M10-1.5, CLS 10 ZN	2
10	80233220	FW, M10, CL 10.9, ZP	5
11	02961228	METRIC BOLT M10-P1.5- 40MM	2
12	00754352	HHCS, M10-1.5 X 35MM, ZN8.8	1
13	32113643	SHCS, M6-1.0 X 30MM, SS	3
14	02998439	NYLOCK NUT, M6 x 1.0	3
15	32110895	FW, M6, 10.9 ZP	6
16	02999327	HYO FTG, 12FF, CAP	1
17	32113640	DELRIN, HF TUBE CLAMP	4
18	32113641	HHCS, M6-1.0 X 130MM, 10.9 ZN	2
19	32110804	NUT, NYLOK, M6 NC 10.9 ZP	2
20	32113556	P-CLAMP, 1"ID, 1/2"W	1
21	32112393	PLATE, CLAMP MOUNT, HF TUBE	1
22	32112436	PLATE,DEF,HFTUBES	1
23	32124212	FLCS, M8-1.25 X 20MM, 8.8 ZP	4

ASY, HF PUMP STACK & FITTINGS , Mantis P/N 32115079



ASY, HF PUMP STACK & FITTINGS , Mantis P/N 32115079

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MVSF0272	HYO FTG 10MB-12MF 45	1
2	02999474	HYO ADP, 12MB-12MF 45	1
3	02998430	HYD ADP FTG, 08MB X 08MRFS	1
4	32123435	HYO ADP, 12MB-12MF	4
5	32123448	HYO ADP, 12MB-20MF-90	1
6	32113436	SENSOR, PRESSURE, 5000PSI	2
7	32113438	12MFS-12FFSS-04FORB Branch Tee	2
8	32113544	PUMP STACK, F/P MACHINE	1
9	32124196	HYO ADP, 12MB - 12FB	1

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PARTS-7
CAB

Fig 40.



Fig 39.

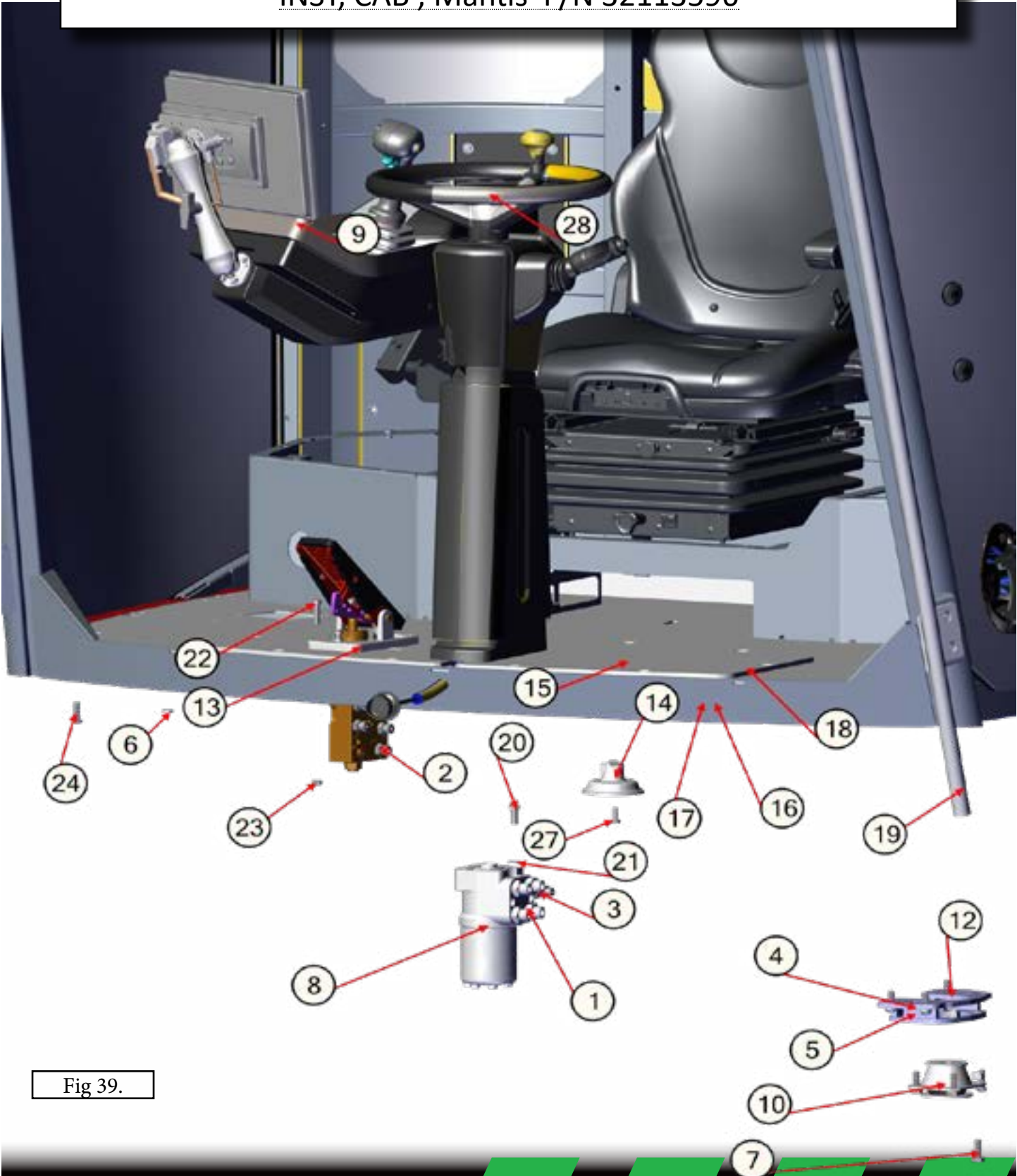


Fig 39.

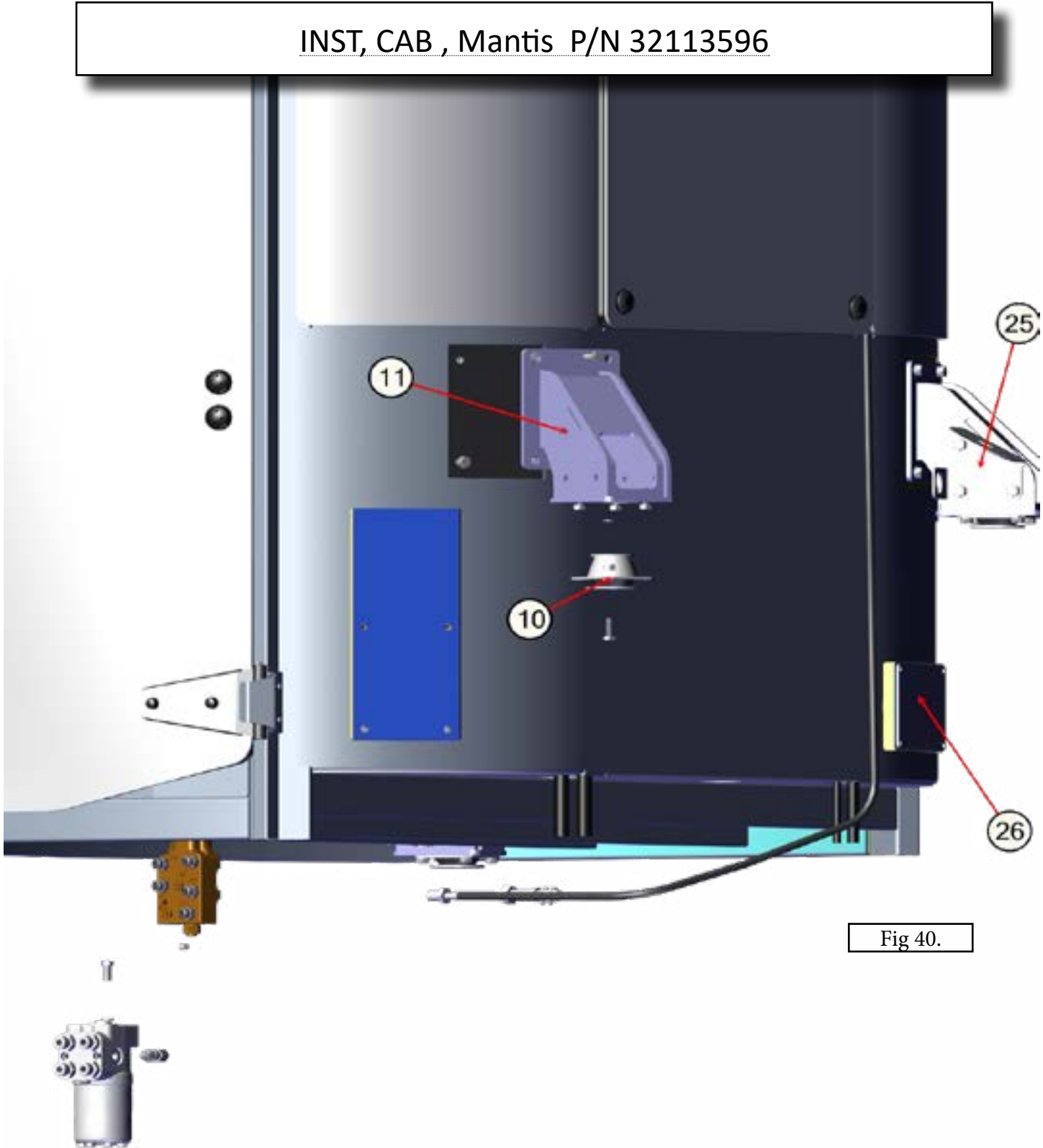
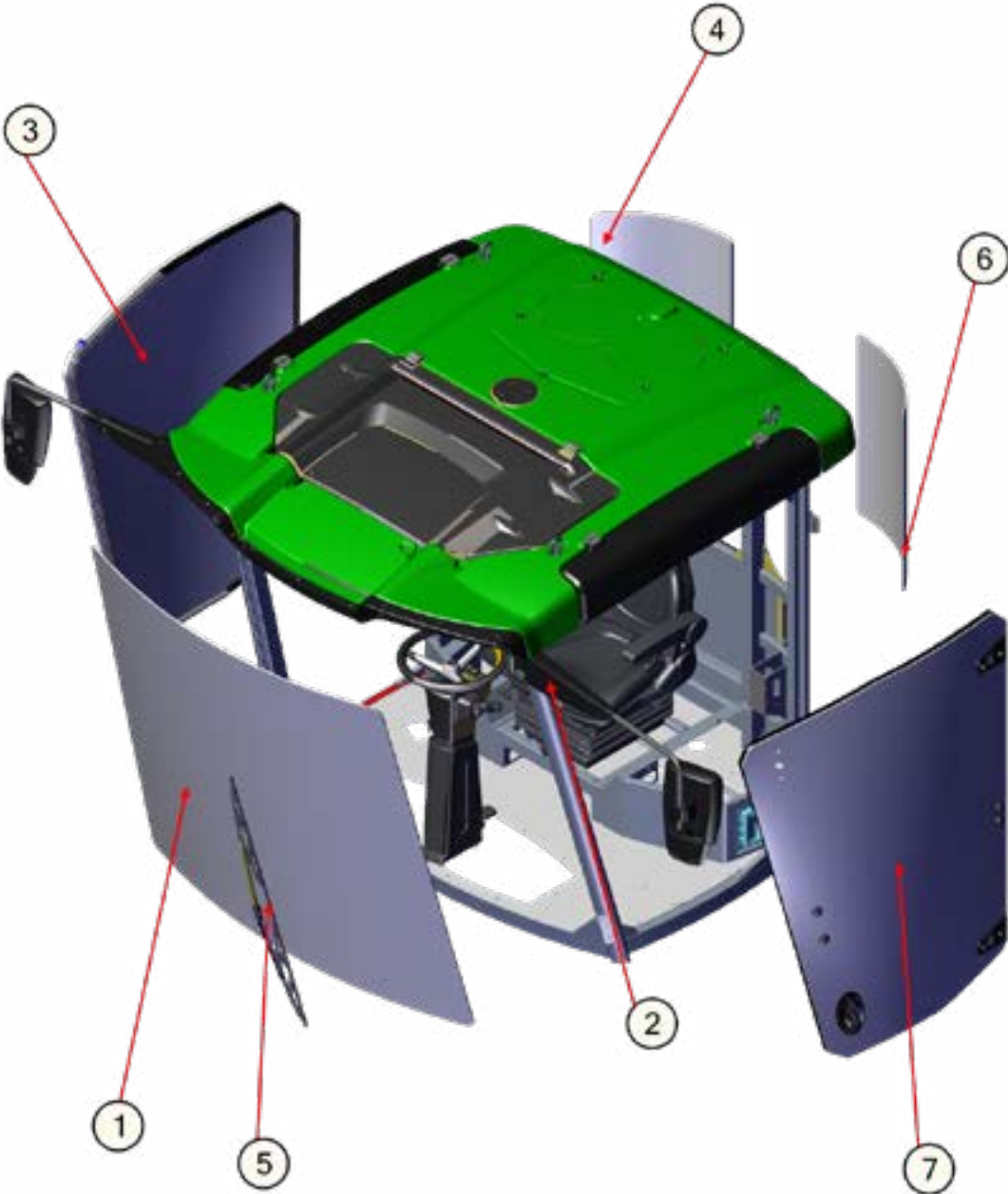


Fig 40.

Item Number	Part Number	Description	Qty
1	32123424	HYO ADP, 08MF-08MBP	4
2	02999231	HYO ADP FTG, 06MB-06MF	5
3	32113625	HYO ADP, 4MBP-4MF 90	1
4	83191030	NYLOCK NUT	19
5	88681485	WASHER, M10	54
6	00755954	LOCKWASHER 10MM SPRING	16
7	32123792	HHCS M10-P1.5 X 30MM PL10.9	27
8	32113244	ORBITAL, STEERING, 270/70CC	1
9	32113597	ASY, RH CONSOLE	1
10	32113616	ISOLATER, CAB, MANTIS	4
11	32116217	WLDMT, CAB MNT UPPER	2
12	32116218	WLDMT, CAB MOUNT LOWER	2
13	32113245	VALVE, BRAKE, W/PEDAL	1
14	32113622	HORN, 12V, 115OB 360HZ	1
15	32112375	PLATE, BRAKE VLV, CAB	1
16	32113518	KIT, -10 A/C HOSE, EATON	1
17	32113517	A/C FTG, 7/8-14, ST, F SRT PLT	1
18	32113511	HS-6,3/8TB_M,3/8TB_FX,118	1
19	32116219	WLDMT, HANDRAIL, CAB	1
20	00751688	HEXB M10-P1.5 X 25MM PL 8.8	4
21	80233220	FW, M10, CL 10.9, ZP	4
22	02967570	HHCS 8mm X 35mm LG	1
23	02999069	NYLOCK NUT, M8 x 1.25	1
24	32113627	BHCS M10-1.5 X 30 10.9	8
25	32112459	PLATE, ANTENNA MNT	1
26	32112394	PLATE, COVER, CAB ELEC	1
27	32111135	HHCS, M8 1.25 X 20, 10.9 ZP	1
28	32113673	WHEEL BADGE, MANTIS	1
29	32113595	CAB, INTERCABIN, GLASS WNDSHLD	1

Spare Parts

Parent Part	Part Number	Description	Qty
32113245	32124666	SEAL KIT, BOSCH, BRAKE VALVE	1
32113245	32124671	SENSOR, BRAKE VALVE, MANTIS	1
32113244	32124669	SEAL KIT, STEER ORBITAL	1



ITEM NO.	PART NUMBER	DESCRIPTION	Default/QTY
1	32113681	LEXAN, WINDSHIELD, LOCHMANN	1
2	32113682	CAB, INTERCABIN, POLY WNDSHLD	1
3	32113683	LEXAN, RH WINDOW, LOCHMANN	1
4	32113684	LEXAN, RH REAR WIND, LOCHMANN	1
5	32113686	WIPER, FRONT, SILICONE	1
6	32113687	LEXAN, LH REAR WIND, LOCHMANN	1
7	32113688	ASY, LH DOOR, LOCHMANN	1
8	32113595_SC	STRG COL, CAB, COBO	1
9	32113595_RF	ROOF, CAB, INTERCABIN, BLACK	1



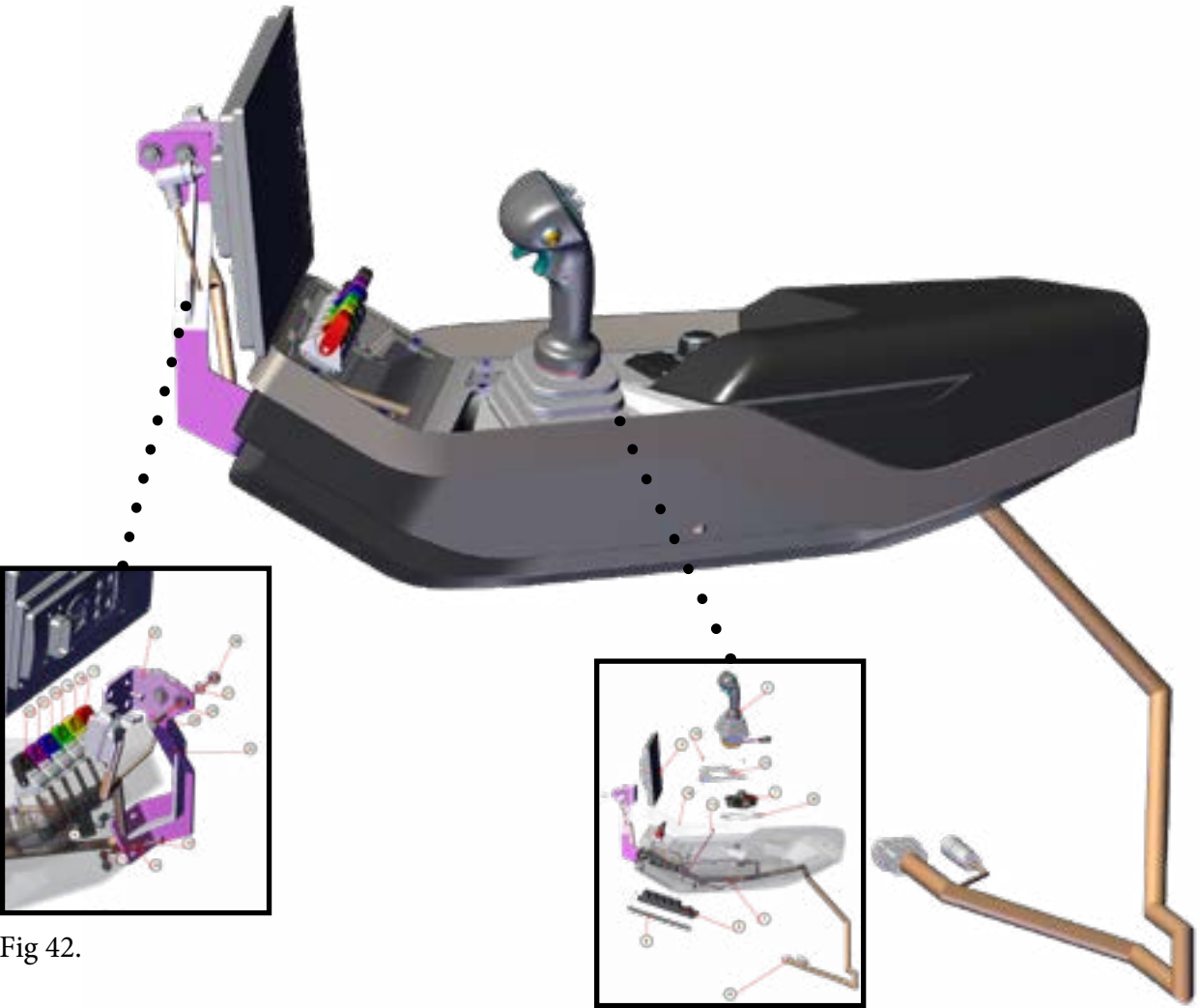


Fig 42.

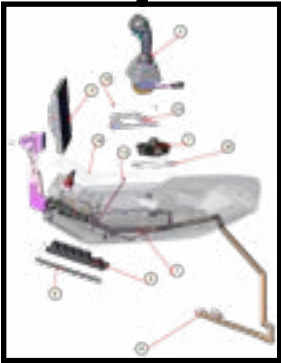


Fig 41.

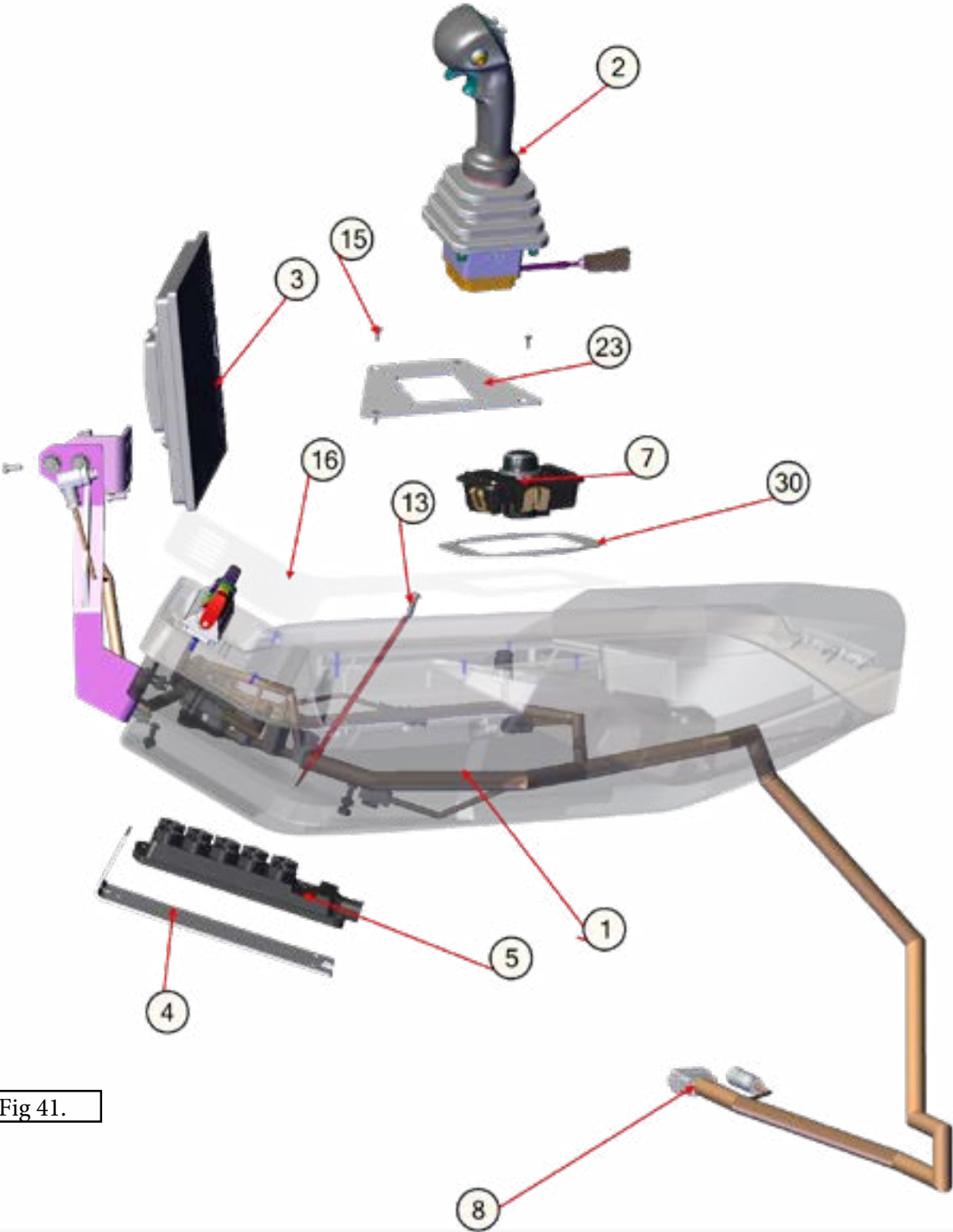


Fig 41.

ASY, RH CONSOLE , Mantis P/N 32113597

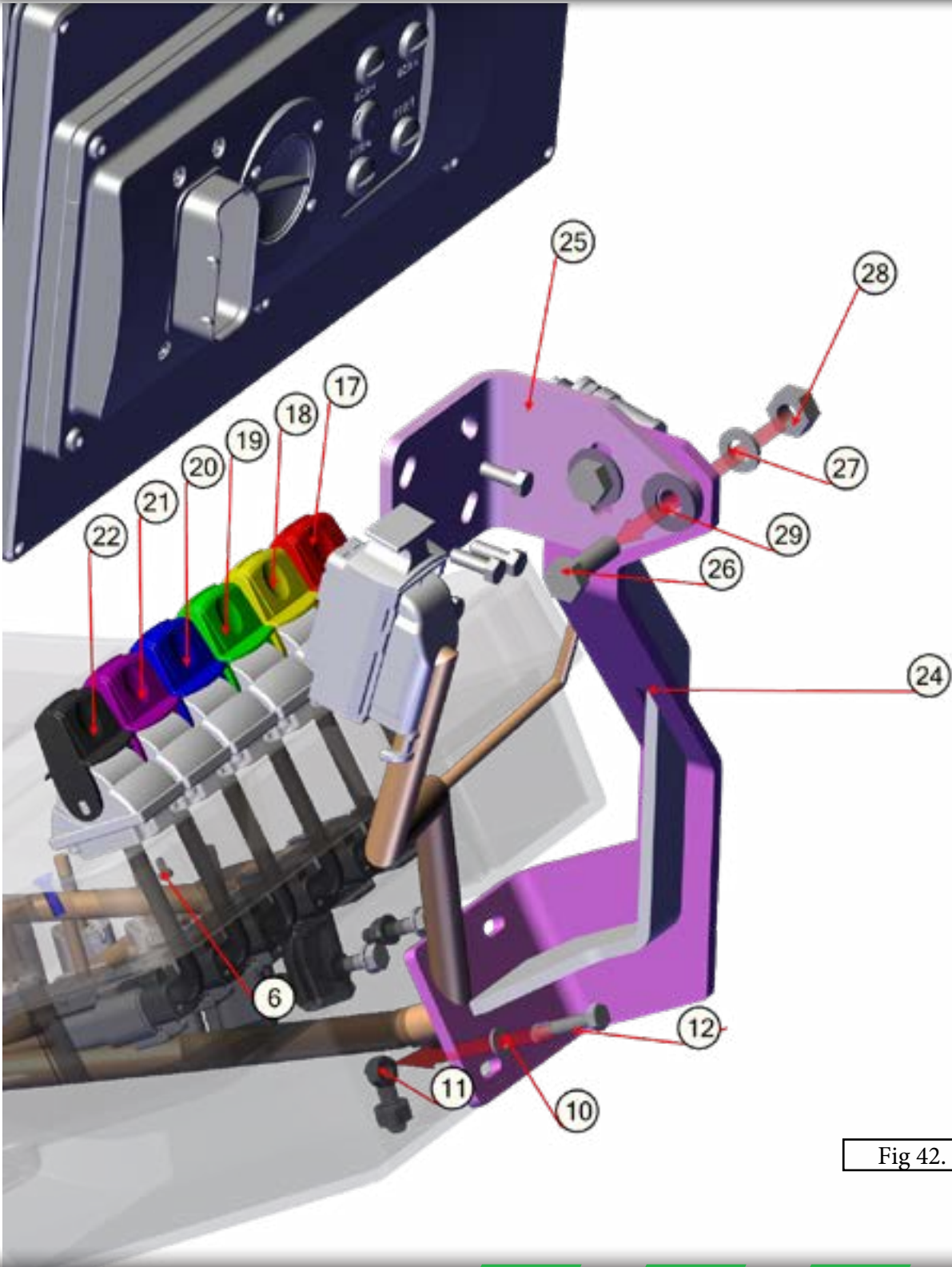
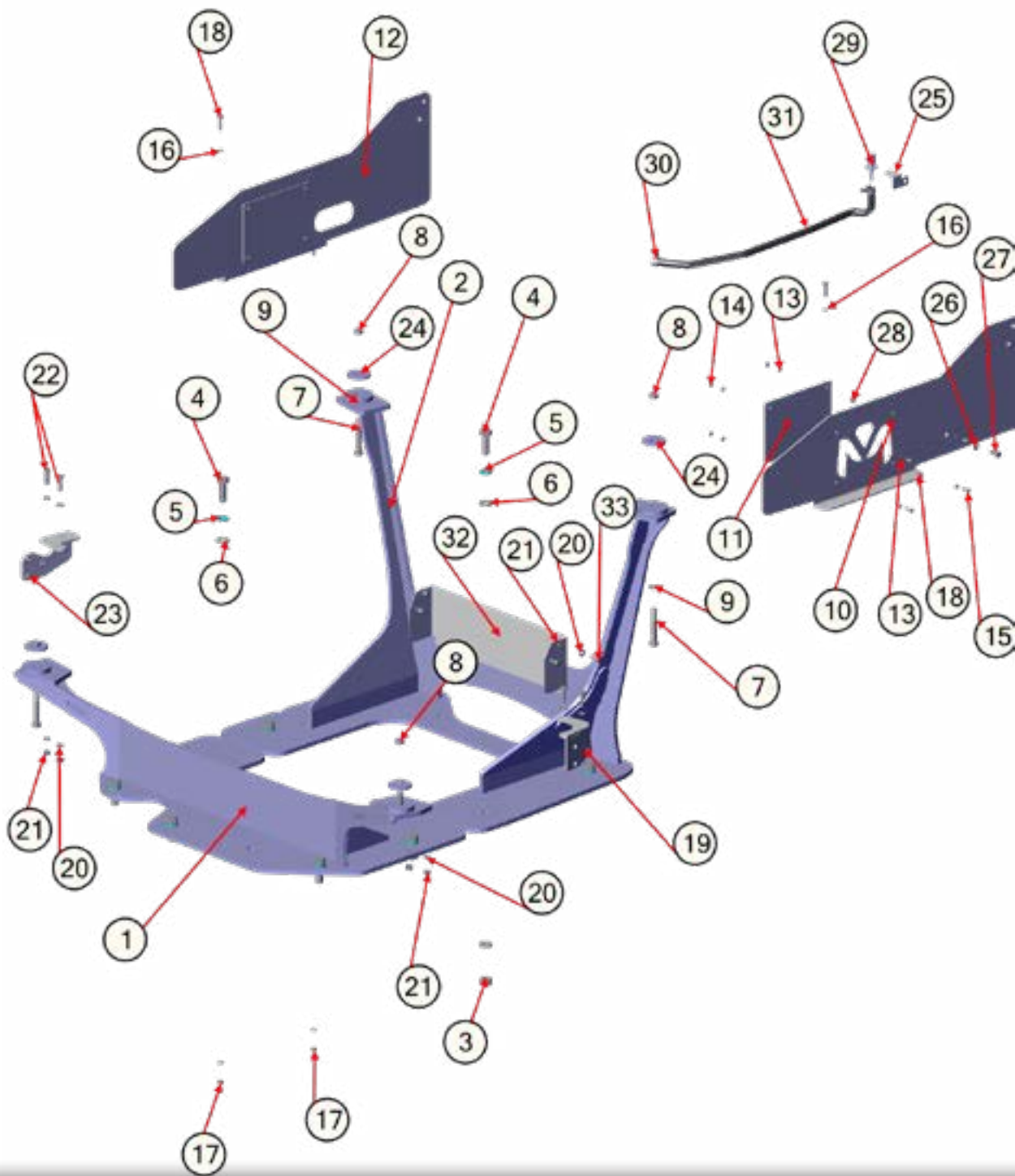


Fig 42.

ASY, RH CONSOLE , Mantis P/N 32113597

Item Number	Part Number	Description	Qty
1	32113598	ASY, RH CONSOLE, LOCHMANN	1
2	32113569	JOYSTICK, MULTI-FUNCTION	1
3	32113606	ELECTRICAL, IFM 1204	1
4	32113599	PLATE, IFM 2050 CONSOLE MNT	1
5	32113607	ELECTRICAL, IFM 2050	1
6	32113623	NFPS, #4-40 X 3/16 LG, SS	24
7	32113608	ROT ENCODER, 6 BUTTON	1
8	32113257	HARNESS, RH CONSOLE	1
9	32111110	HHCS, MS NC X 15, 10.9 ZP	4
10	32113077	FW, MS, ZN PL	8
11	02998438	NUT, NYLN INST, MS X 0.8, PL	4
12	32113624	HHCS, MS NC X 25, 10.9 ZP	4
13	32120540	BHCS 1/4 -20 X 7/8"	3
14	02959924	NUT, TOPLOCK 1/4 NC PLB	3
15	32113626	FHS, #8, THRO FRM, 1/2" LG	4
16	32113601	SHEET, RH CONSOLE TOP	1
17	32113609	PADDLE SWITCH, RED	1
18	32113610	PADDLE SWITCH, YELLOW	1
19	32113611	PADDLE SWITCH, GREEN	1
20	32113612	PADDLE SWITCH, BLUE	1
21	32113613	PADDLE SWITCH, VIOLET	1
22	32113614	PADDLE SWITCH, BLACK	1
23	32113600	PLATE, JOYSTICK ADP	1
24	32124139	WLDMT, ADJ DISPLAY MT	1
25	32124142	PLATE, DISPLAY TOP, ADJ	1
26	00753723	HHCS, M8-P1.25 x 25mm PL10.9	2
27	02970065	LOCKWASHER 8 MM	2
28	00755934	NUT MET 8MM-P1.25	2
29	00011100	FLATWASHER 3/8 STD	4
30	32113696	DECAL, CONSOLE, MANTIS	1



ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32116205	WLDMT, FIX CAB MNT F, MANTIS	1
2	32116206	WLDMT, FIX CAB MNT R, MANTIS	1
3	00000200	NUT 3/4 NC HEX PL	6
4	02959390	HHCS 3/4 NC 2-1/4 PL8	10
5	02972570	HIGH ALLOY, L/W 3/4 YZ KG	10
6	5312316	FLATWASHER 3/4 HARDENED	16
7	02993074	HHCS, M14-P2.0 x 100mm PL10.9	4
8	32120939	M14-2.0 PL TOPLOCK NUT	4
9	32110397	FW, M14, 10.9 ZP	4
10	32112410	PLATE, LH UNDER CAB, MANTIS	1
11	32112412	SHEET, UNDR CAB BCKING, MANTIS	2
12	32112411	PLATE, RH UNDER CAB, MANTIS	1
13	32110895	FW, M6, 10.9 ZP	16
14	32110804	NUT, NYLOK, M6 NC 10.9 ZP	8
15	02969728	HHCS M6 - 1.0 X 20MM	8
16	32110403	FW, M8, 10.9 ZP	8
17	32110550	NUT, NYLOK, M8 NC 10.9 ZP	4
18	02967570	HHCS 8mm X 35mm LG	4
19	32116207	WLDMT, FL FASCIA MNT, MANTIS	1
20	32110347	FW, M10, CL 10.9, ZIP	16
21	32110509	NUT, NYLOK, M10 NC 10.9 ZP	8
22	32110510	HHCS M10 NC X 40 10.9 YZ	4
23	32116208	WLDMT, FR FASCIA MNT, MANTIS	1
24	32112457	PLATE, CAB ISO WASHER, MANTIS	4
25	32112438	SHEET, FUEL TANK VENT	1
26	88681485	WASHER, M10	2
27	32120326	HHCS, M10-1.5 X 25MM, 10.9	1
28	00756024	NUT METTLE 10MM-P1.5 PL	1
29	32111071	VALVE, VENT	1
30	00751543	HOSECLAMPFOR#6HOSE	2
31	32112437	HOSE, FUEL VENT, 5/16 ID, 72" LG	1
32	32112461	SHEET, FX CB REAR CVR, MANTIS	1
33	00751688	HEXB M10-P1.5 X 25MM PL 8.8	4

Fig 37.

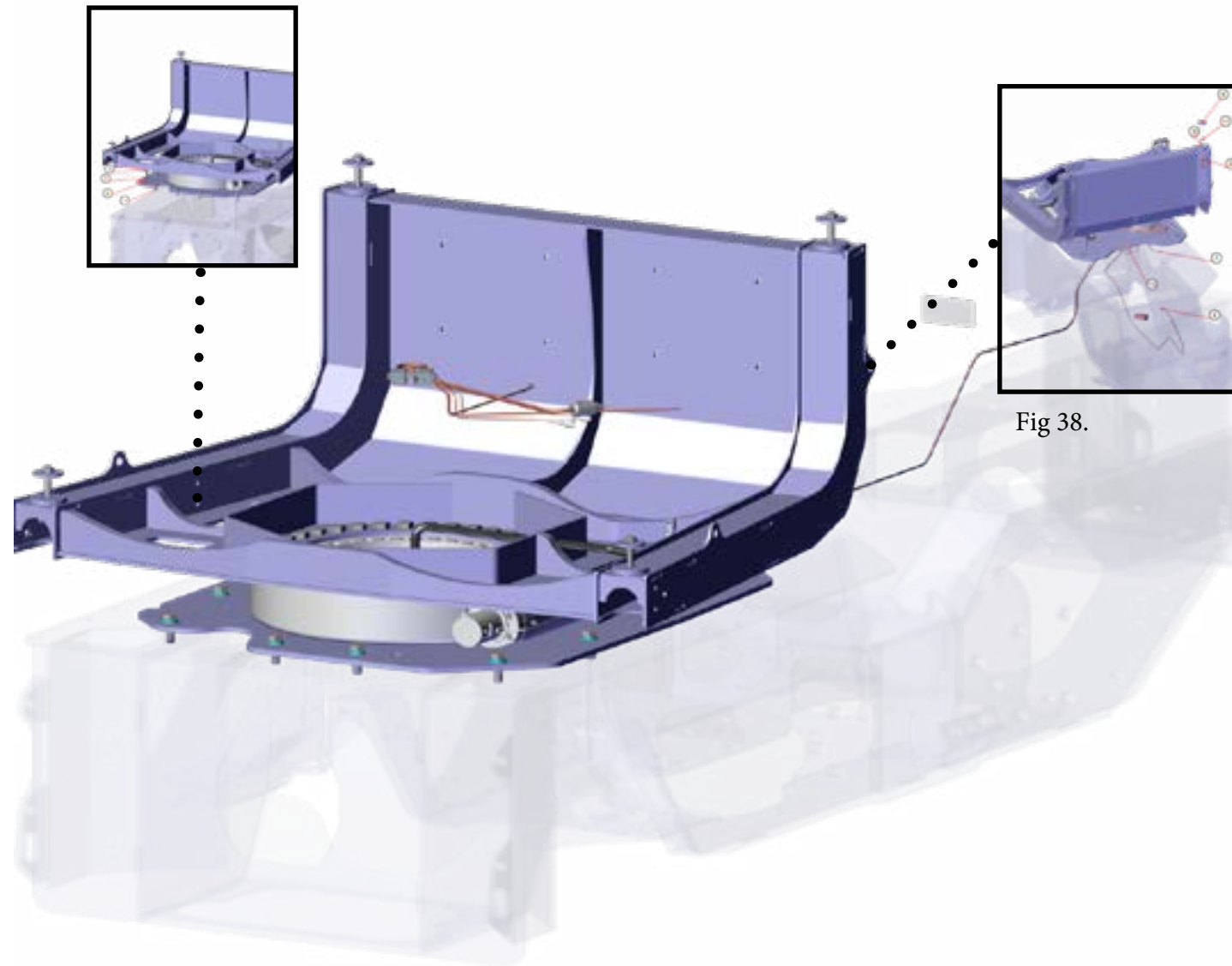


Fig 37.

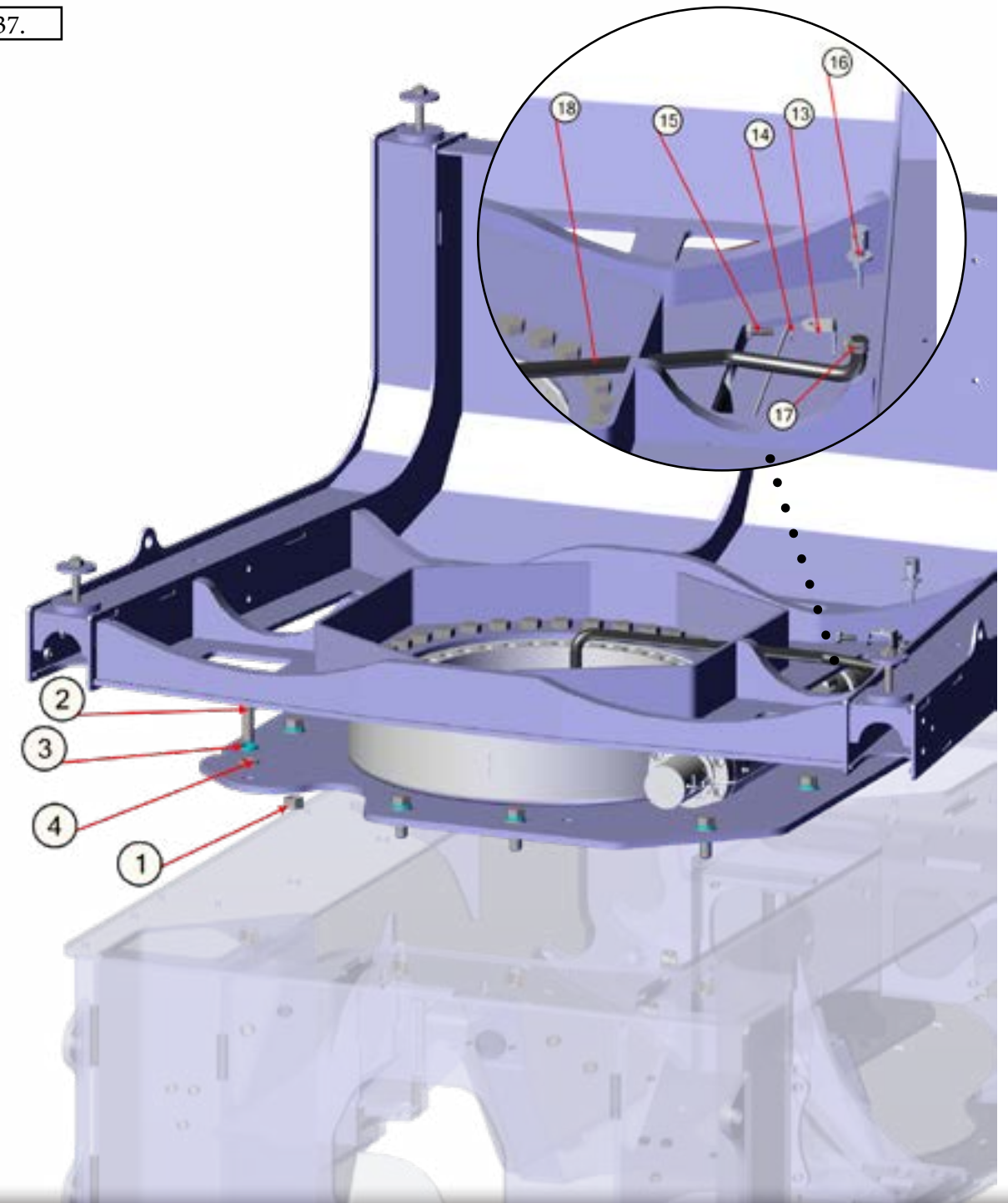
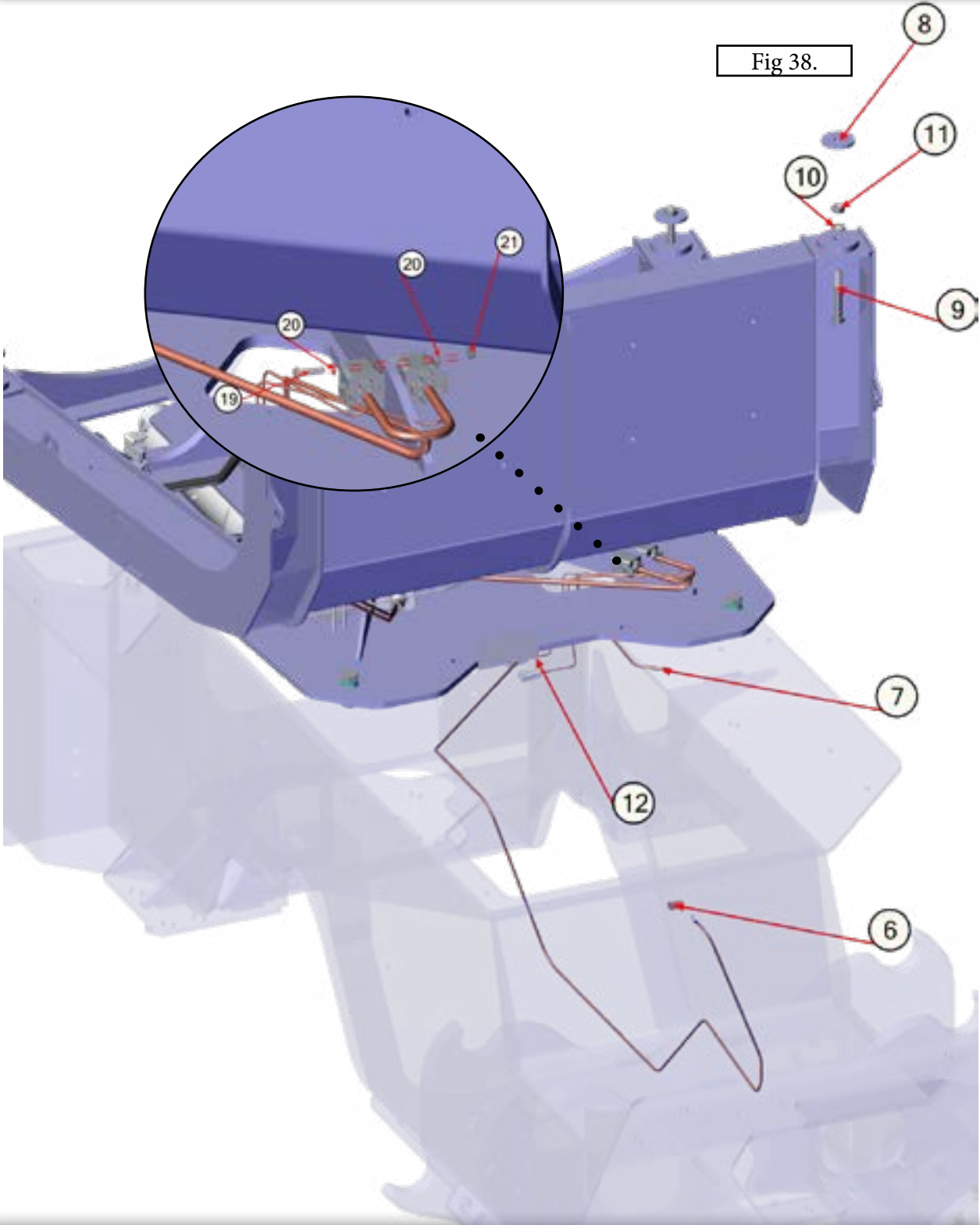


Fig 38.



ITEM NO.	PART NUMBER	DESCRIPTION	QUANTITY
1	00000200	NUT 3/4 NC HEX PL	6
2	02959390	HHCS 3/4 NC 2-1/4 PL8	10
3	02972570	HIGH ALLOY, L/W 3/4 YZ KG	10
4	5312316	FLATWASHER 3/4 HARDENED	16
5	32115095	ASY, CAB ROTATING, MANTIS	1
6	VA2297-0021	FUSE, FMX 50 AMP, RED	1
7	32113665	HARNESS, CAB ROTATE	1
8	32112457	PLATE, CAB ISO WASHER, MANTIS	4
9	02993074	HHCS, M14-P2.0 x 100mm PL10.9	4
10	32110397	FW, M14, 10.9 ZP	4
11	32120939	M14-2.0 PL TOPLOCK NUT	4
12	32123805	DECAL, 180°, CAB/WINDOW	1
13	32112438	SHEET, FUEL TANK VENT	1
14	88681485	WASHER, M10	1
15	32120326	HHCS, M10-1.5 X 25MM, 10.9	1
16	32111071	VALVE, VENT	1
17	00751543	HOSECLAMPFOR#6HOSE	2
18	32112437	HOSE, FUEL VENT, 5/16 ID, 72" LG	1
19	32110129	HHCS, M6-1.0X25MM, 10.9, YZN	1
20	32110895	FW, M6, 10.9 ZP	2
21	32110804	NUT, NYLOK, M6 NC 10.9 ZP	1

Fig 44.

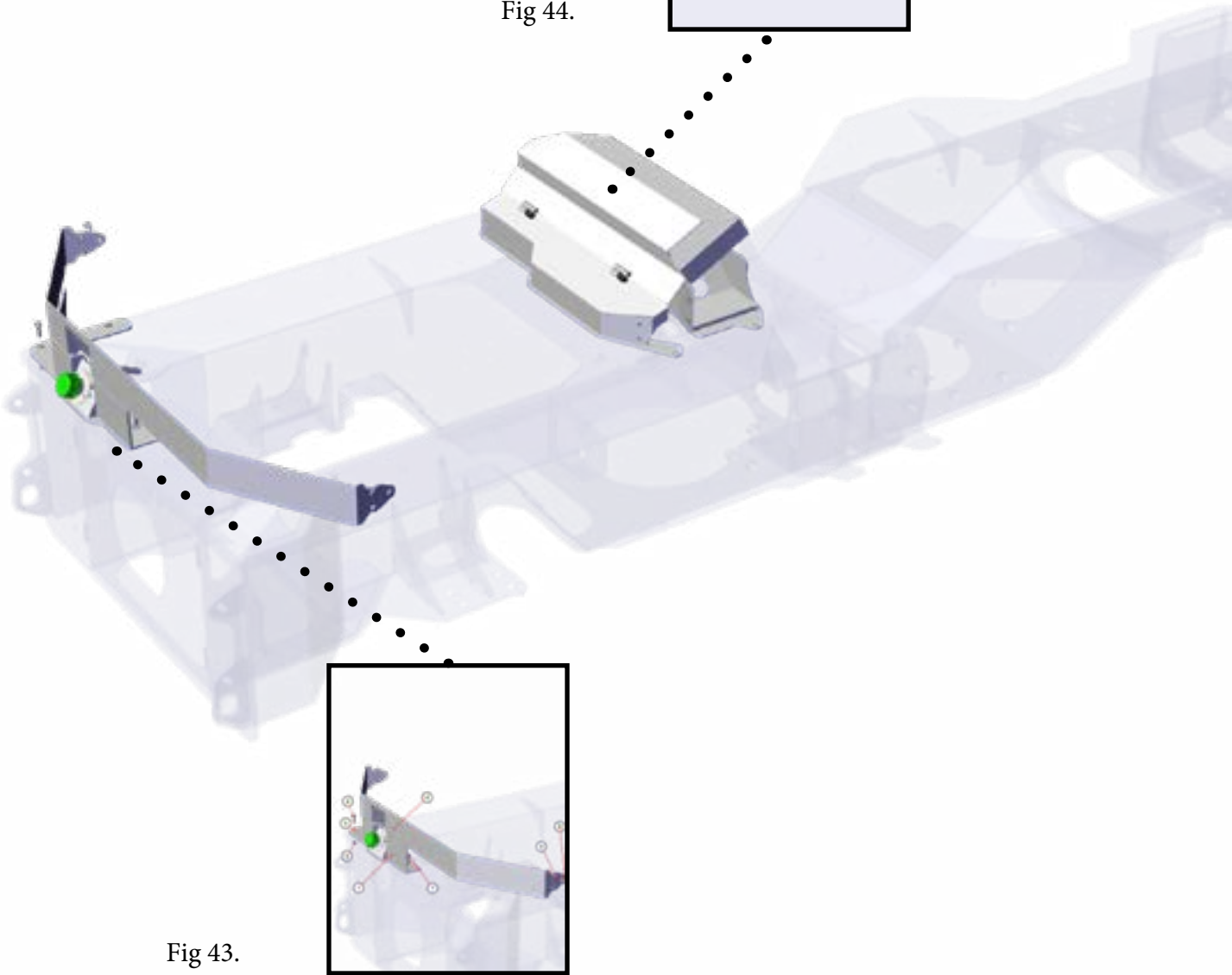
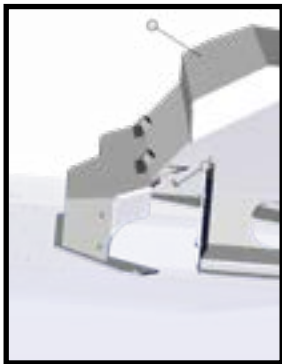


Fig 43.

Fig 43.

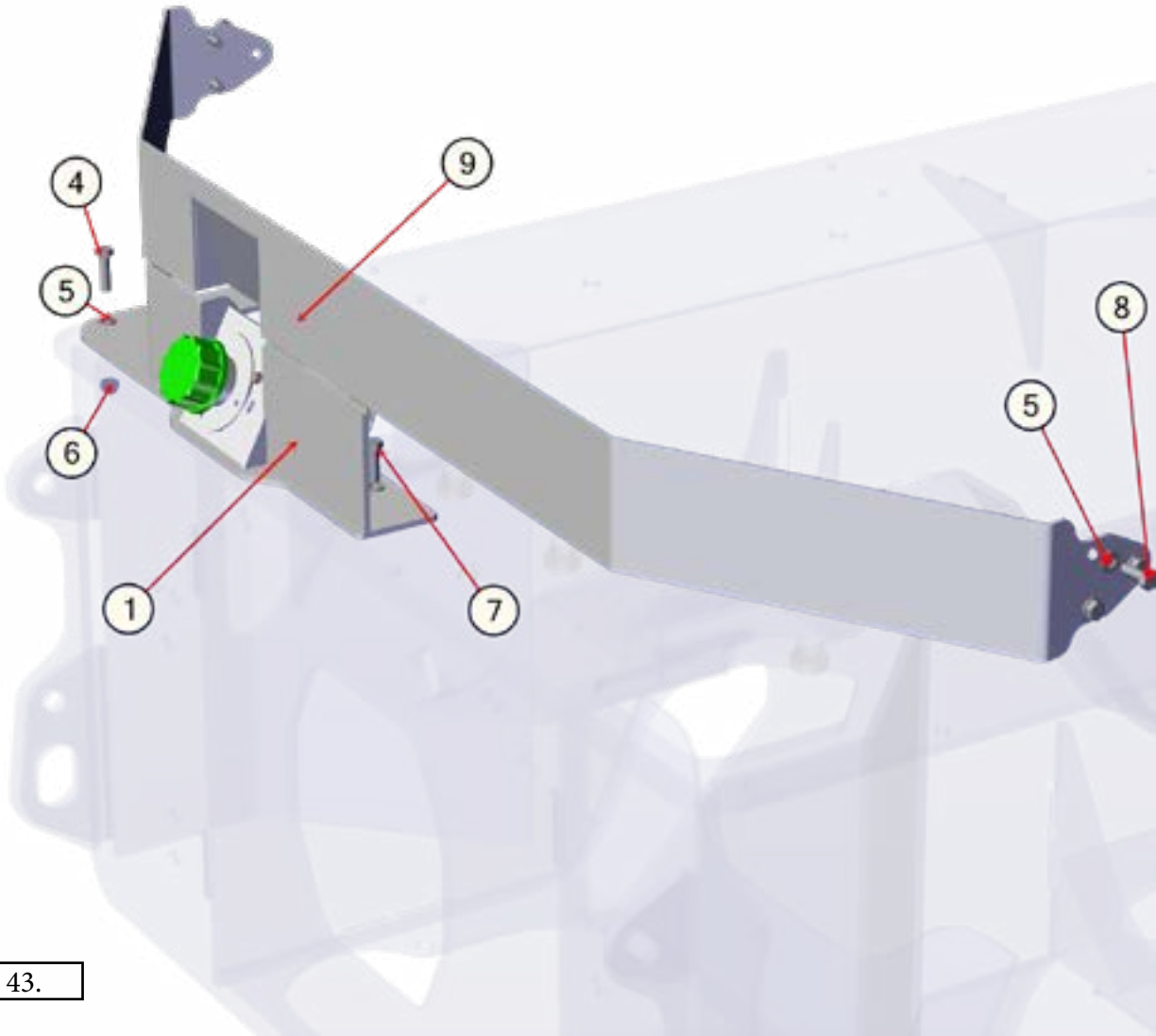
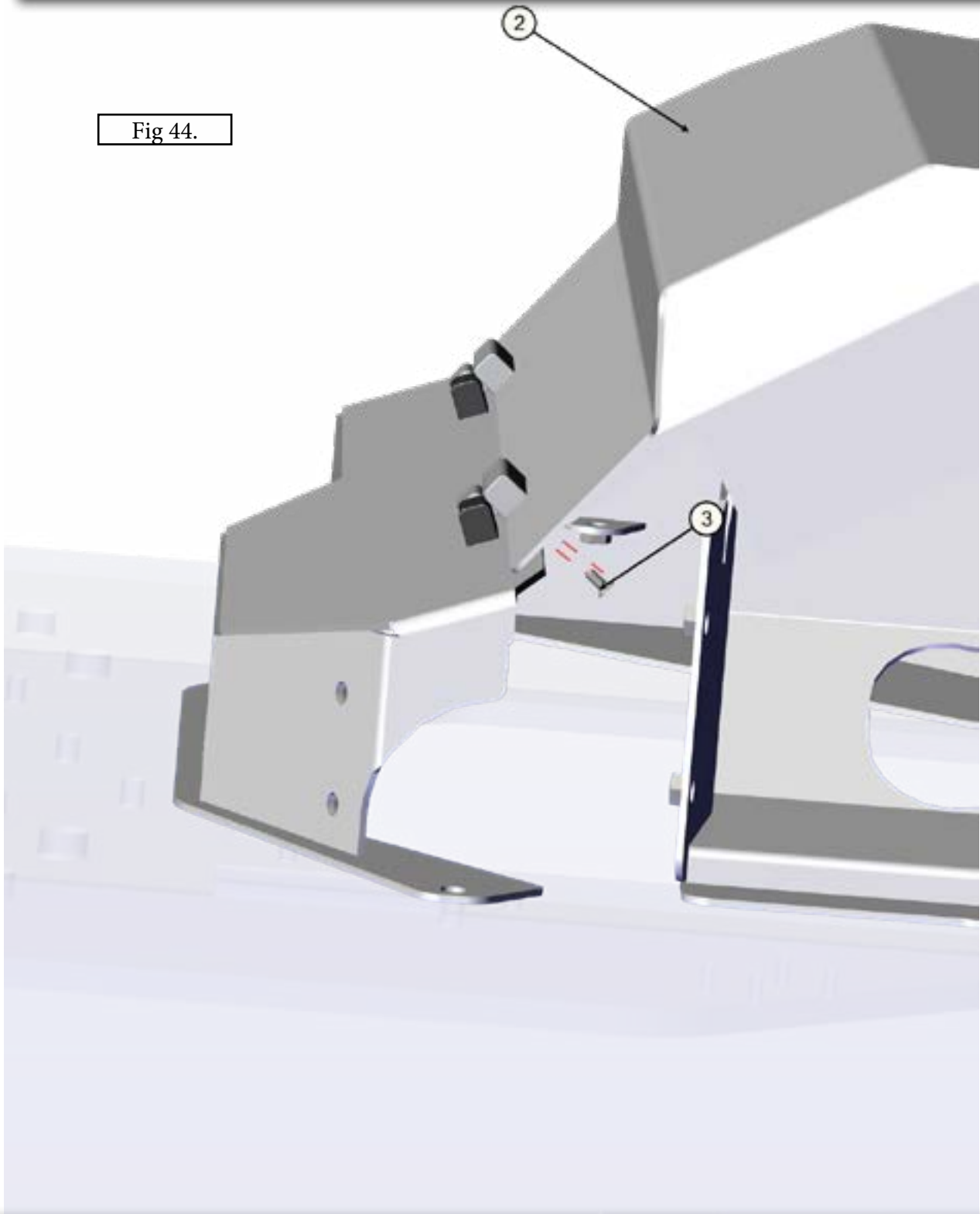


Fig 44.



Item Number	Part Number	Description	Qty
1	32116197	WLDMT, FIXED FRONT COVER	1
2	32116195	WLDMT, DEF COVER	1
3	32111057	FLAT SHCS, M5NC X 12MM 10.9 ZP	4
4	02961228	METRIC BOLT M10-P1.5-40MM	2
5	80233220	FW, M10, CL 10.9, ZP	11
6	32113488	NUT, TPLK, M10-1.5, CLS 10ZN	2
7	00754352	HHCS, M10-1.5 X 35MM, ZN8.8	1
8	00751688	HEXB M10-P1.5 X 25MM PL 8.8	6
9	32116198	WLDMT, FRONT FASCIA	1

PARTS-8 COWLING

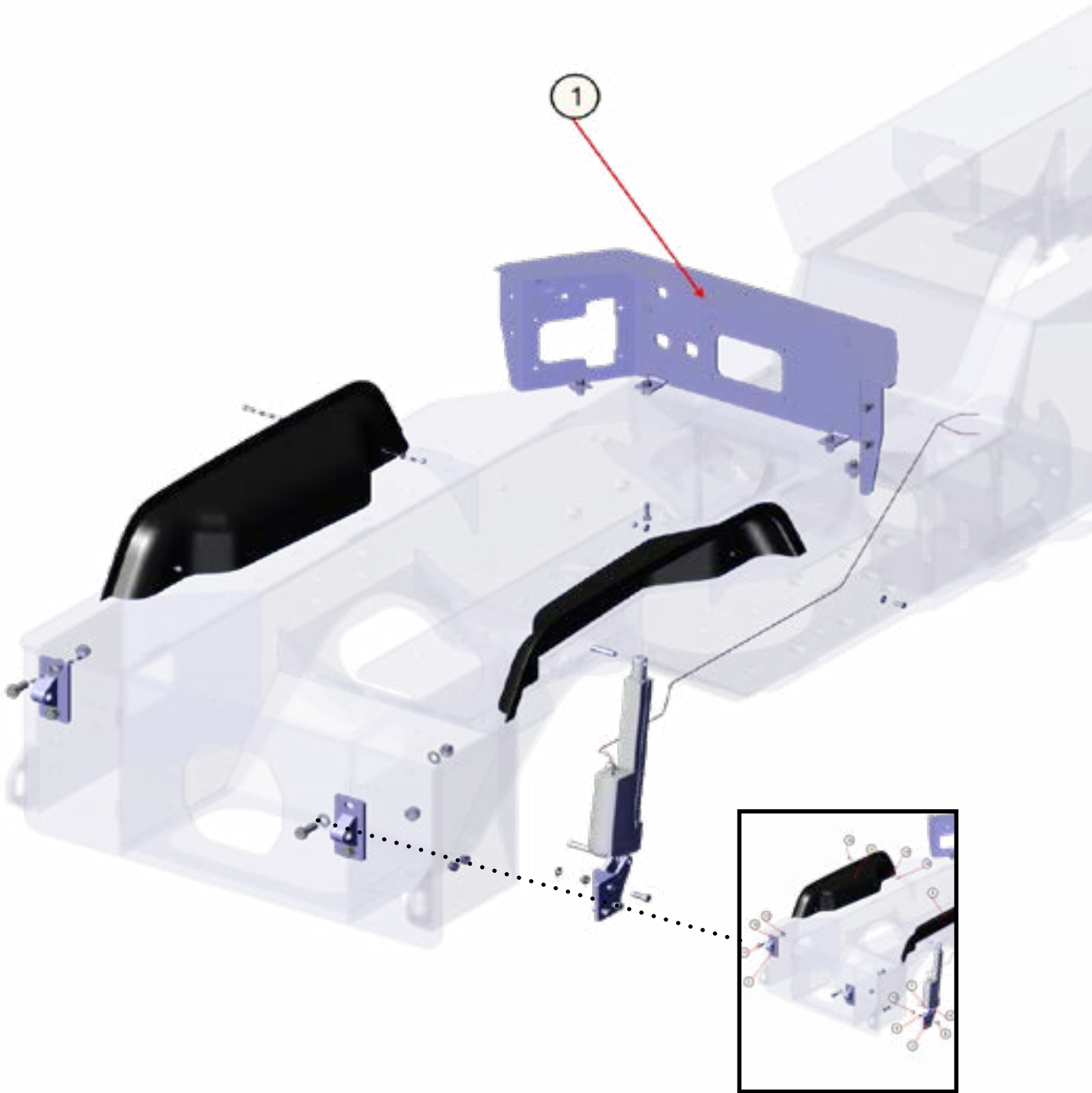


Fig 45.

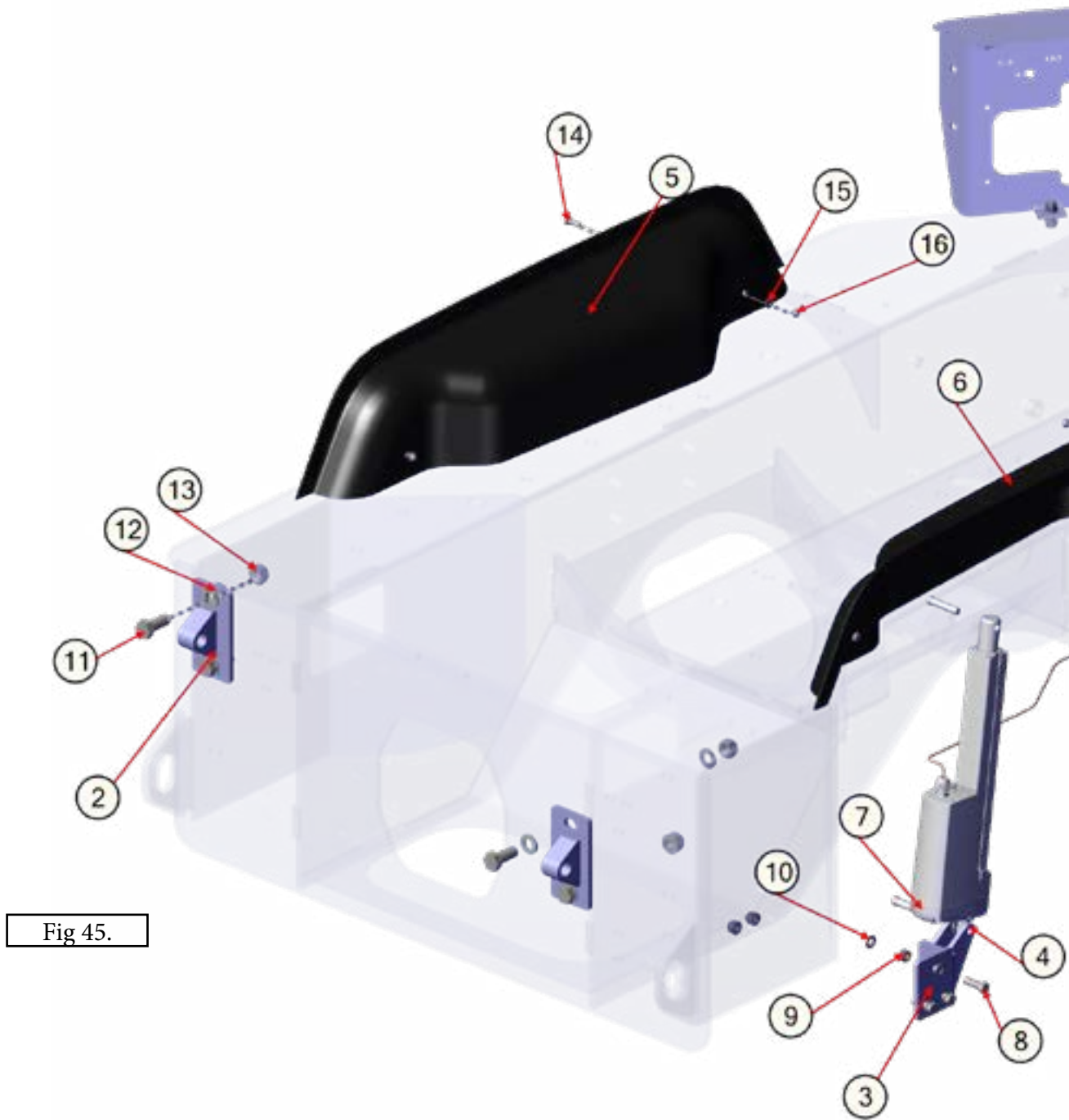
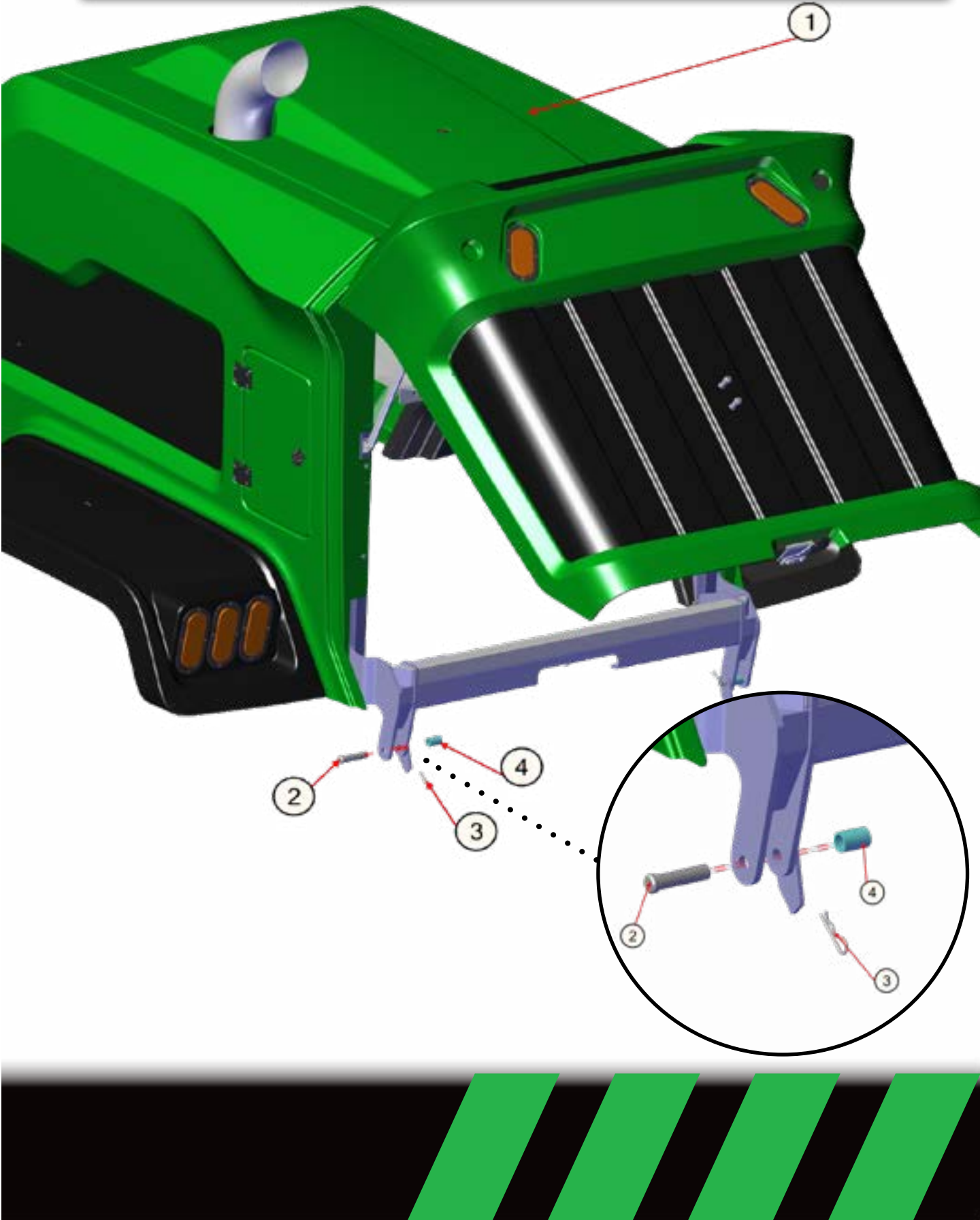


Fig 45.

Item Number	Part Number	Description	Qty
1	32116143	WLDMT, COWL SKIRT	1
2	32116147	WLDMT, HINGE BASE	2
3	32116148	WLDMT, ACTUATOR MT	1
4	32116133	LINEAR ACTUATOR MA3	1
5	32116137	FENDER WELL, LH	1
6	32116138	FENDER WELL, RH	1
7	32113525	PIN CLEVIS, 1/2" X 2-1/2"	2
8	02980720	HHCS M12-P1.75 X 40 PL10.9	9
9	00772648	NUT,HEX TOP LOCK-M12 X 1.75	9
10	02998042	M12 X 24MM WASHER PLT	18
11	02975692	HHCS M20-P2.5 - 50MM PL10.9	4
12	5312316	FLATWASHER 3/4 HARDENED	8
13	32123753	NUT, HEX TOPLOCK M20-2.5	4
14	00753723	HHCS, M8-P1.25 x 25mm PL10.9	4
15	00011100	FLATWASHER 3/8 STD	8
16	02999069	NYLOCK NUT, M8 x 1.25	4

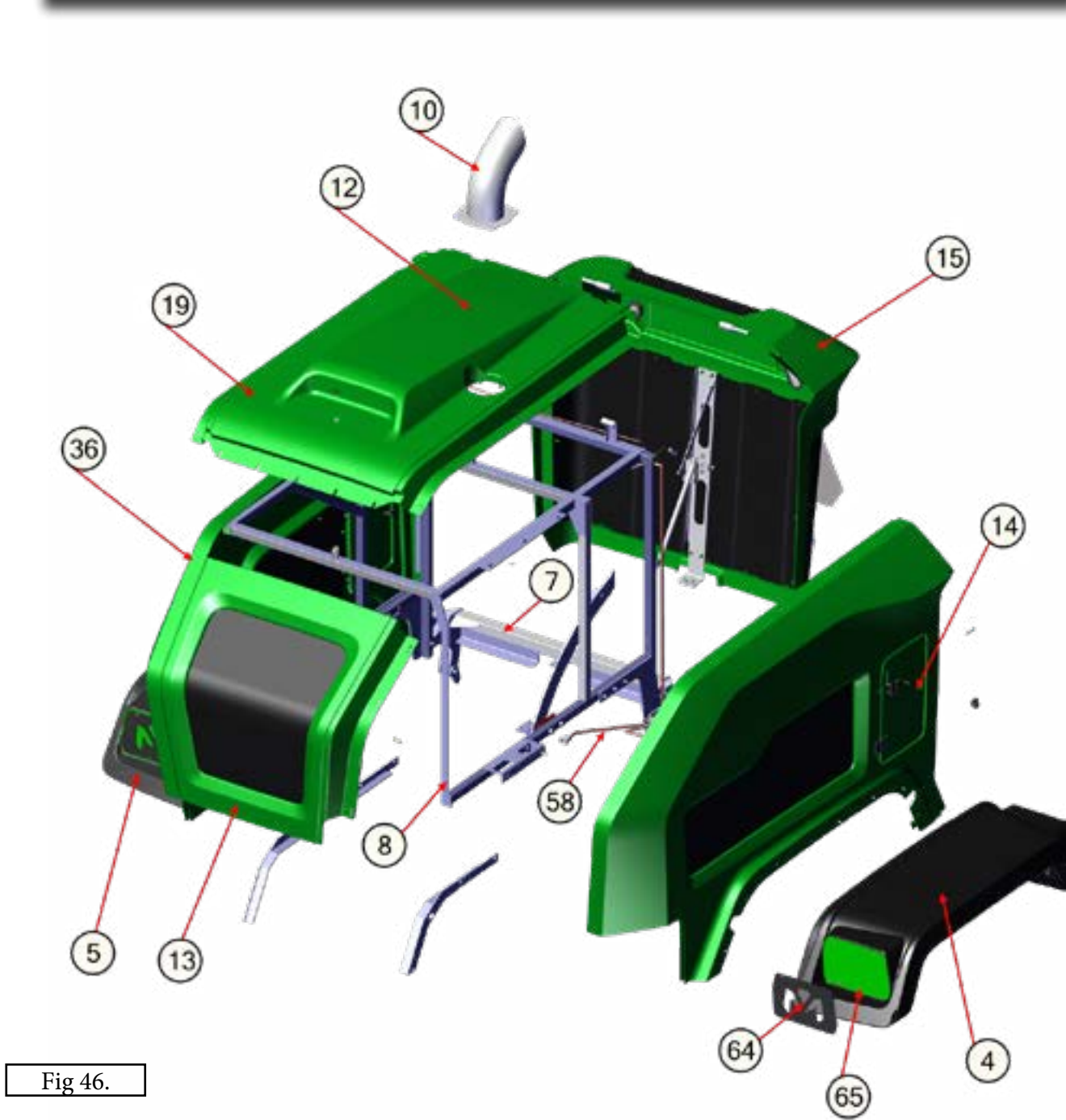
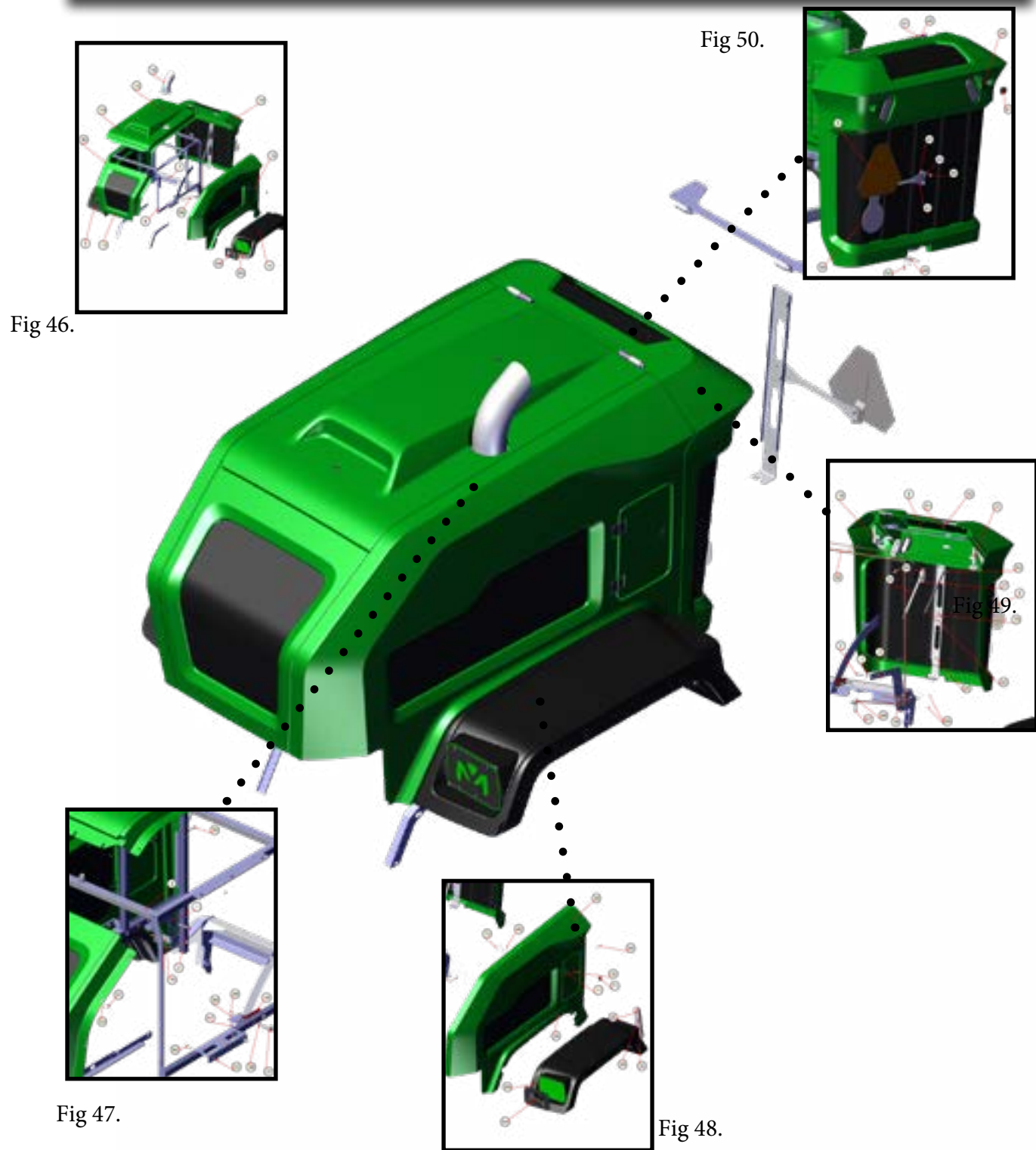


INST, COWLING STRUCT , Mantis P/N 32119097



INST, COWLING STRUCT , Mantis P/N 32119097

Item Number	Part Number	Description	Qty
1	32116216	ASY, COWLING PANELS	1
2	32113526	PIN, CLEVIS 3/4" X 3"	2
3	02999381	HAIRPIN, .093 x 2 1/2"	2
4	32112247	BUSHING 3/4" X 1.5" LG, TEFLON	2



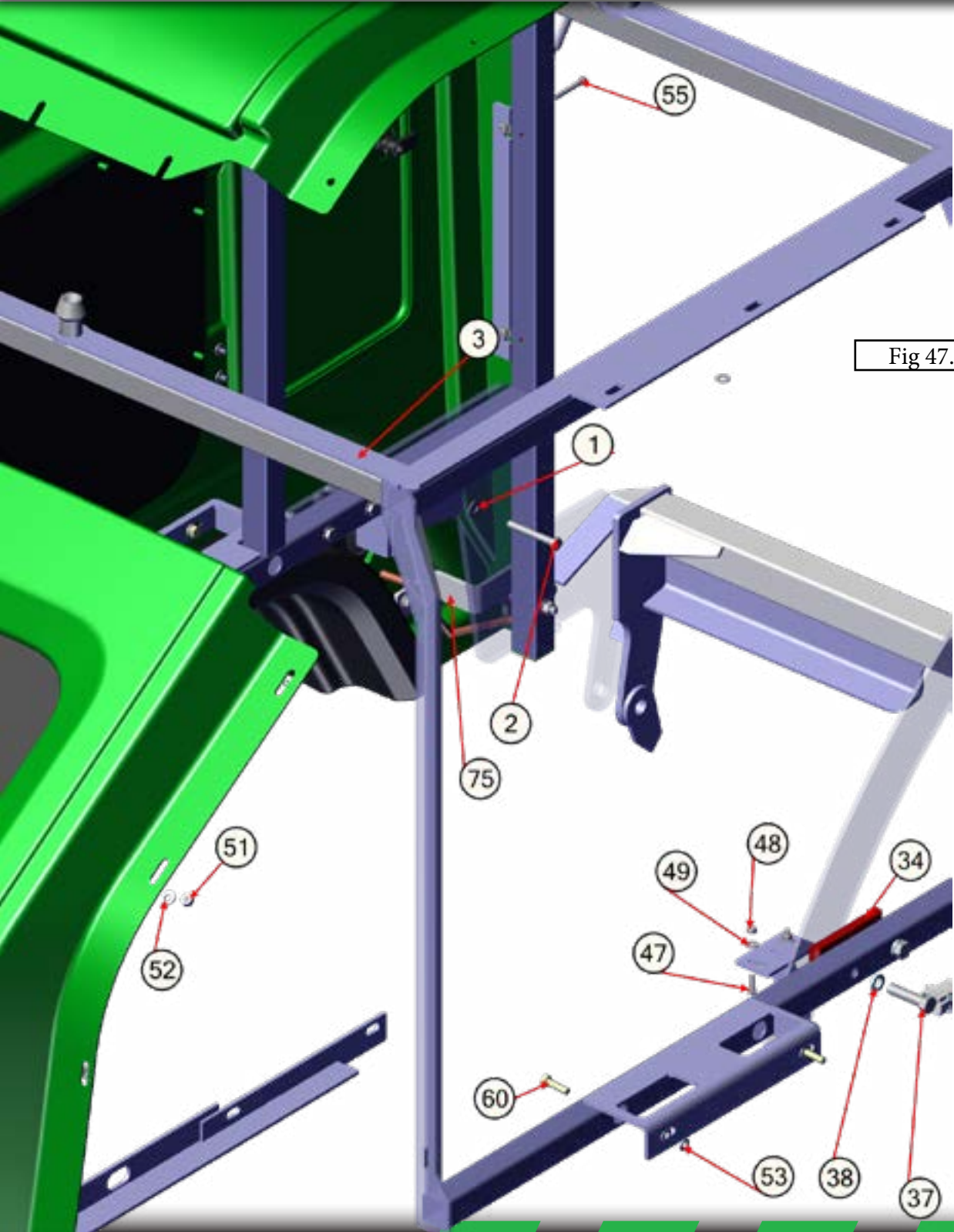


Fig 47.

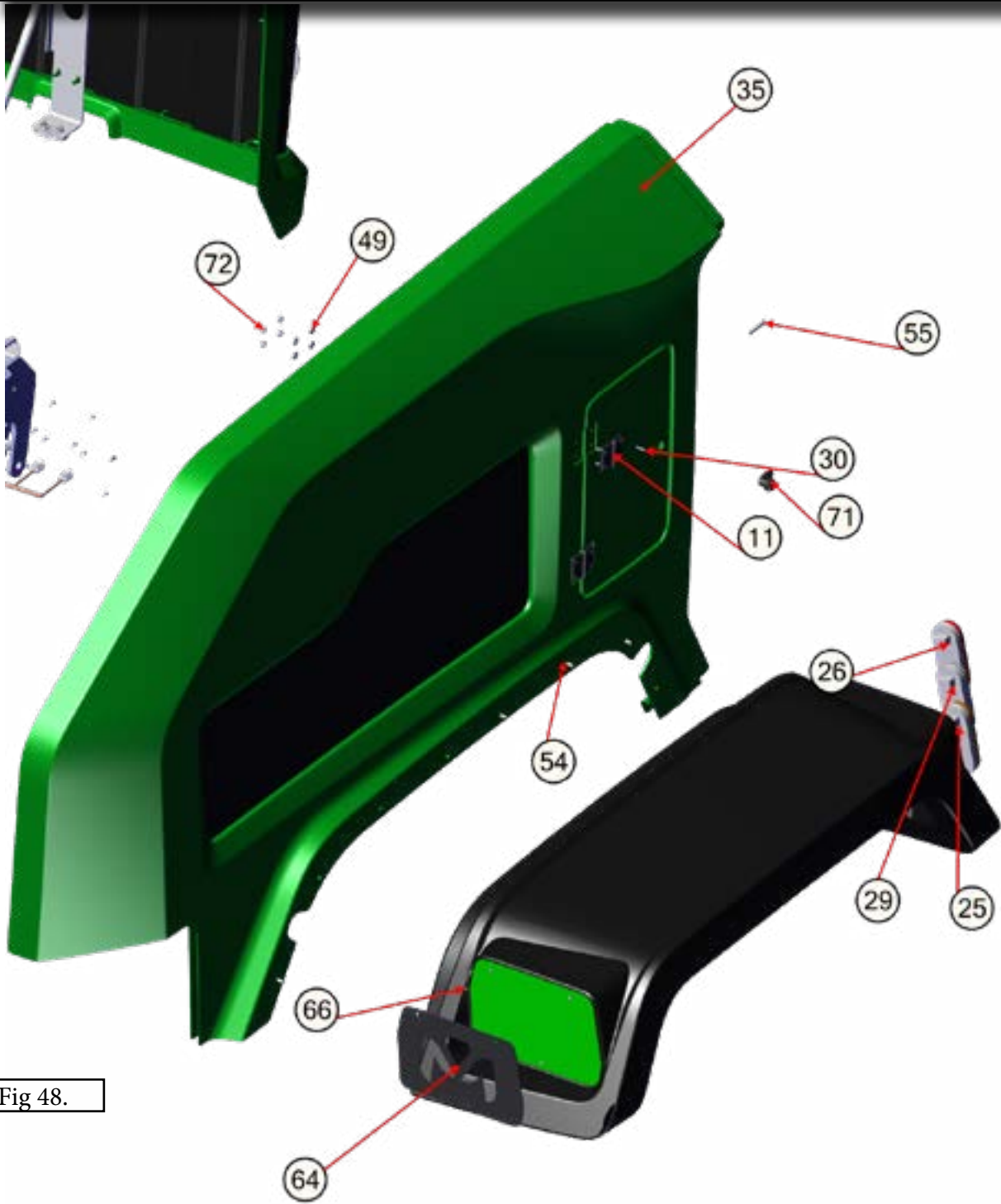


Fig 48.

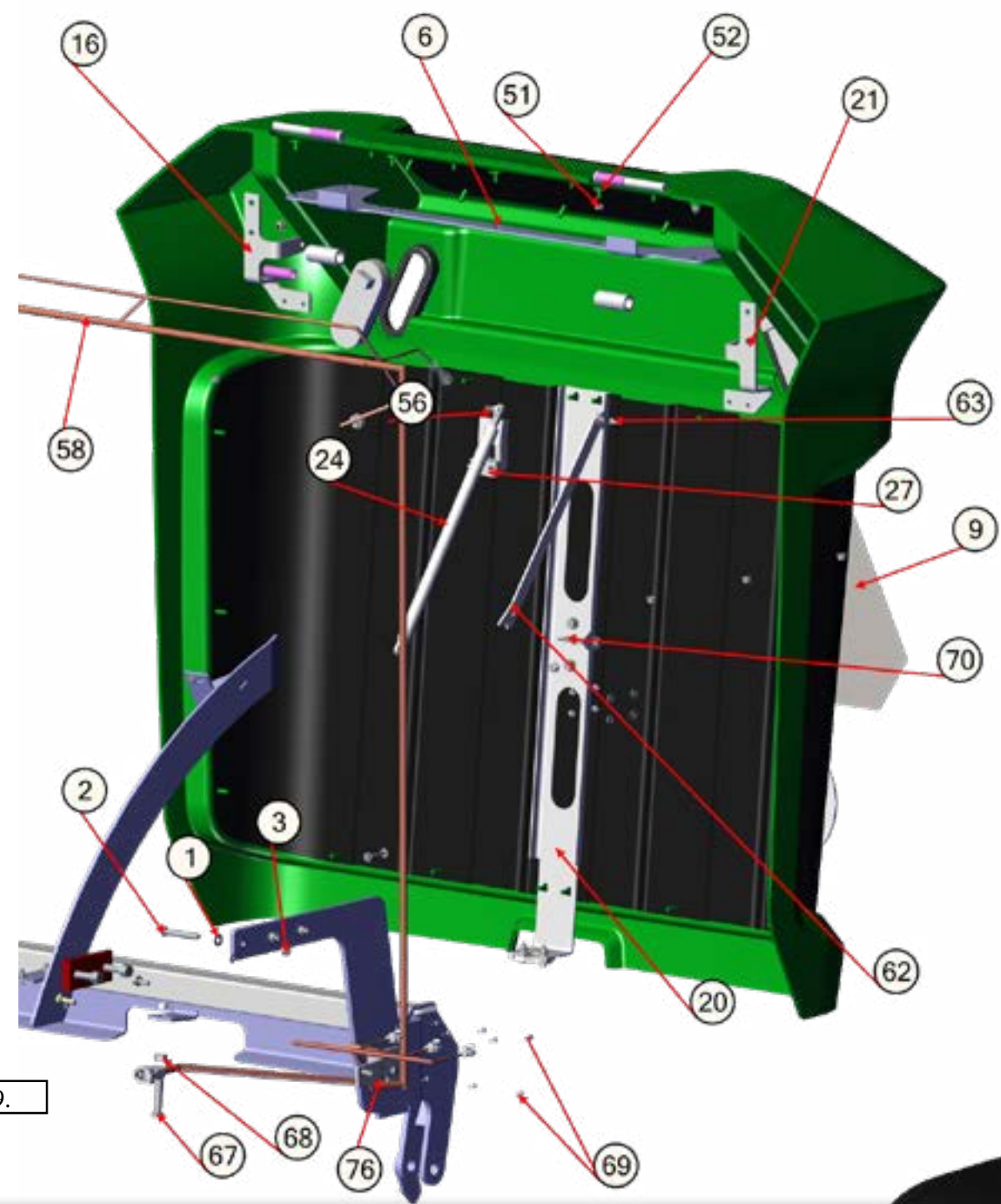


Fig 49.

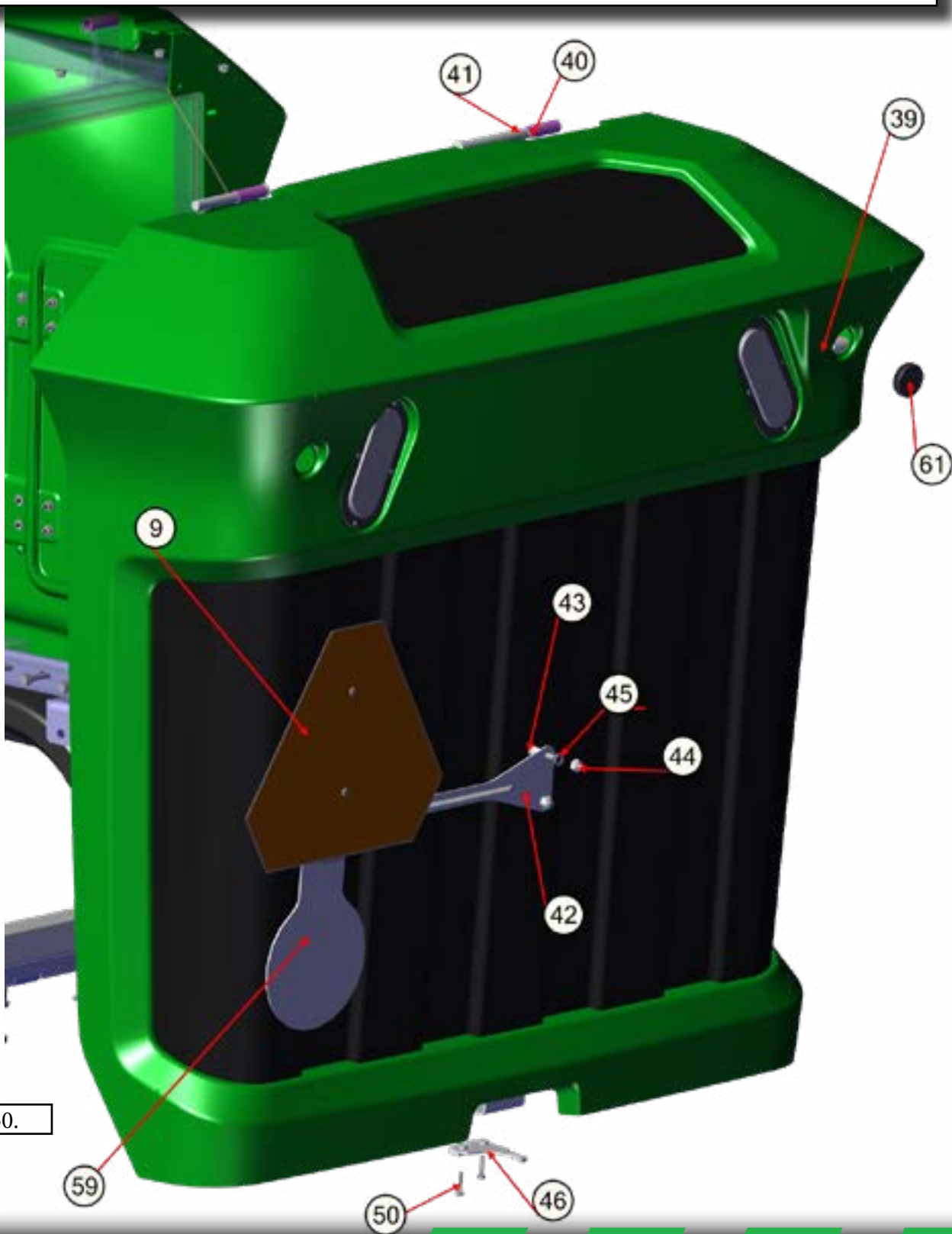


Fig 50.

ASY, COWLING , Mantis P/N 32116216

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	00011100	FLATWASHER 3/8 STD	16
2	02970595	HHCS 3/8 NC 2-3/4 PL8	8
3	00015800	LOCKNUT TLM 3/8 NC PLC	8
4	32116149	FENDER, LH	1
5	32116150	FENDER,RH	1
7	32116145	WLDMT, LIFT ARM, COWL	1
8	32116144	WLDMT, COWLING FRAME	1
9	32110023	ASY, SMV SIGN, MANTIS	1
10	32116151	WLDMT, EXHAUST COWLING	1
11	32116130	HINGE, ACCESS DOOR	4
12	32116139	CAP PLUG - DIA 0.8"	2
13	32116121	ASY, PANEL, FRONT COWL	1
14	32116124	PANEL, ACESS DOOR COWL	2
15	32116122	ASY, PANEL, REAR DOOR COWL	1
16	32112276	PLATE, CAM MOUNT RH	1
19	32116123	ASY, PANEL, TOP COWL	1
20	32116153	WLDMT, REAR DOOR LATCH	1
21	32112277	PLATE, CAM MOUNT LH	1
22	32116136	MOUNTING FLANGE, 6" OVAL LIGHT	8
24	32116132	GAS STRUT	2
25	32111343	HI CT, OVAL LED STOP TAIL TURN	2
26	32111341	6" OVAL LED STOP TAIL TURN LIG	2
27	32116135	CAMERA, REAR FACING, 120FOV	1
29	32116134	OVAL LED STROBE, CLEAR	4
30	32113528	FSCS 1/4-20 X 1"LG	16
33	32116158	WLDMT, SLIDE ADJ, COWL	1
34	02992709	WEAR PAD, PLASTIC W/ INSERTS, MAVERICK BOOMS	1
35	32116119	ASY, PANEL, LH SIDE COWL	1
36	32116120	ASY, PANEL, RH SIDE COWL	1
37	00013300	BOLT, HHCS 1/2" NC X 2" PL5	2
38	00001300	HIGH ALLOY, L/W 1/2 YZ KG	2
39	02995578	SELF TAP #8-18 X 1/2 HEX	9
40	32113524	BUSHING, TEFLON 5/8 ID X 2.25	4
41	32113523	PIN, 5/8" X 5-1/4" LG ZN PL	2
42	32116162	WLDMT, SMV MOUNT	1

ASY, COWLING , Mantis P/N 32116216

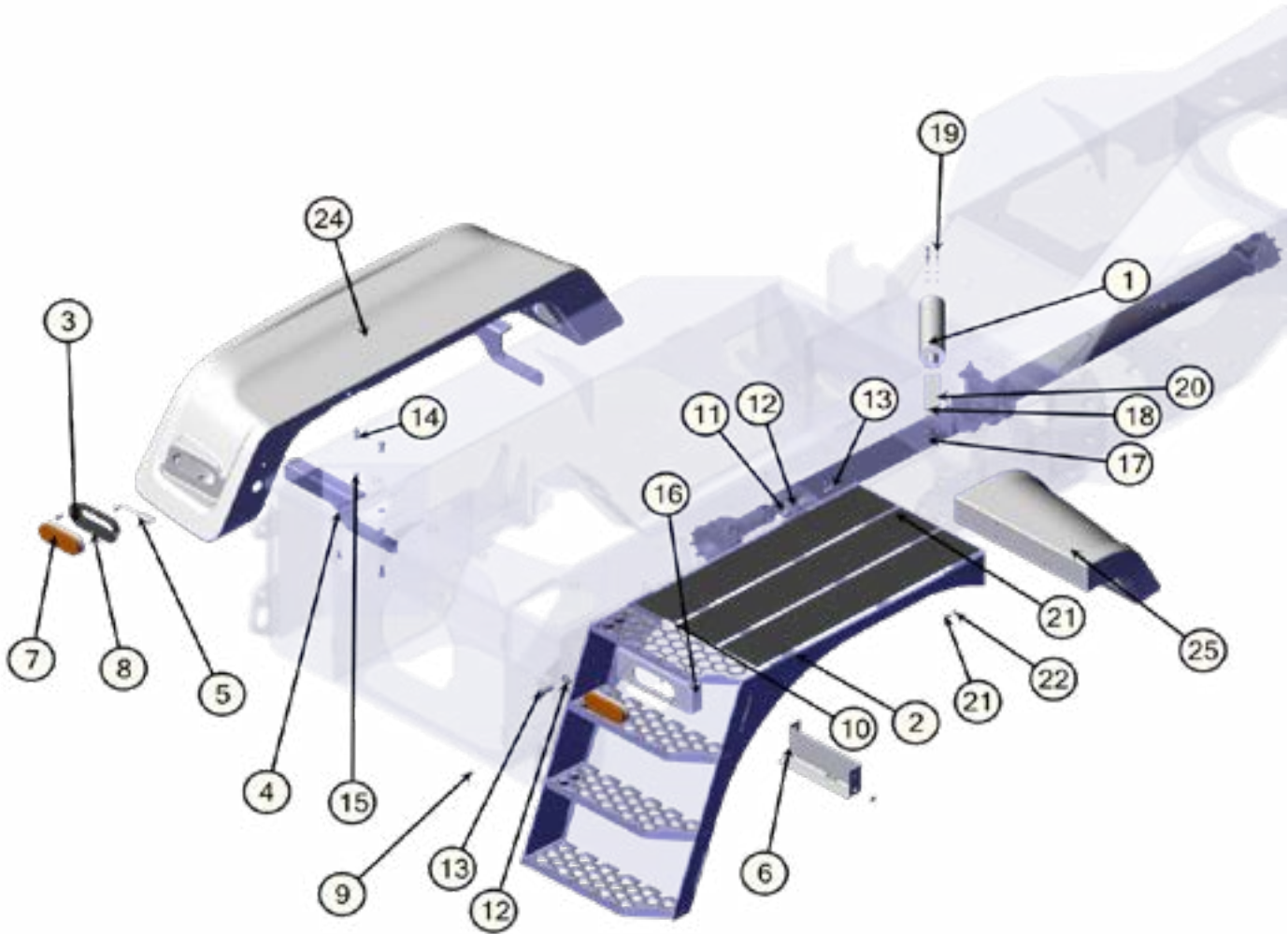
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
40	32113524	BUSHING, TEFLON 5/8 ID X 2.25	4
41	32113523	PIN, 5/8" X 5-1/4" LG ZN PL	2
42	32116162	WLDMT, SMV MOUNT	1
43	00756147	HHCS 10mm X 55mm LG	2
44	83191030	NYLOCK NUT	3
45	88681485	WASHER, M10	4
46	32113522	REAR DOOR LATCH	1
47	02969728	HHCS M6 - 1.0 X 20MM	4
48	02998439	NYLOCK NUT, M6 x 1.0	11
49	00024100	FLATWASHER STD 1/4 PL	36
50	32122266	HHCS, M6 x 1.0 - 30MM, 10.9	2
51	02999069	NYLOCK NUT, M8 x 1.25	42
52	00023500	FLATWASHER 5/16, TYPE AW, ZP	58
53	02970065	LOCKWASHER 8 MM	16
54	00753723	HHCS, M8-P1.25 x 25mm PL10.9	12
55	02998354	HHCS 6mm X 50mm LG	4
56	32113559	ELBOW, M8 (18mm)	2
58	32113271	HARNESS, REAR COWLING	1
59	32122242	PLATE, MANTIS SIS BRACKET	1
60	02999470	HHCS, M8-1.25 X 30MM, PL8.8	4
61	32113660	CAP, 1-3/4", PLASTIC PLUG	1
62	32124133	PLATE, REAR DOOR STOP	1
63	00762399	HEXB METRIC 6-P1-18MM PL8.8	1
64	32124137	PLATE, FENDER LOGO	2
65	32124136	PLATE, FENDER COVER, BACK	2
66	02996341	FLATWASHER M4 SS	8
67	00754517	HHCS 12mm X 55mm LG	1
68	05.286.03	NUT, PLAIN M12	1
69	32124174	HHCS, M4-0.7 X 12MM, PL8.8	32

ASY, COWLING , Mantis P/N 32116216

70	32124215	PIN, WIRE-LOCK CLEVIS	1
71	32116129	LATCH, ACCESS DOOR	2
72	02959924	NUT, TOPLOCK 1/4 NC PLB	14
73	32124327	WLDMT, RH SKIRT SPREADER	1
74	32124366	WLDMT, LH SKIRT SPREADER	1
75	32112469	PLATE, FENDER STIFF, RH	1
76	32112470	PLATE, FENDER STIFF, LH	1

Spare Parts			
Parent Part	Part Number	Description	Qty
32116119	32116125	SCREEN, SIDE COWL	1
32116120	32116125	SCREEN, SIDE COWL	1
32116121	32116126	SCREEN, FRONT COWL	1
32116122	32116127	SCREEN, TOP COWL	1
32116122	32116128	SCREEN, REAR DOOR COWL	1

INST, LADDER , Mantis P/N 32119096

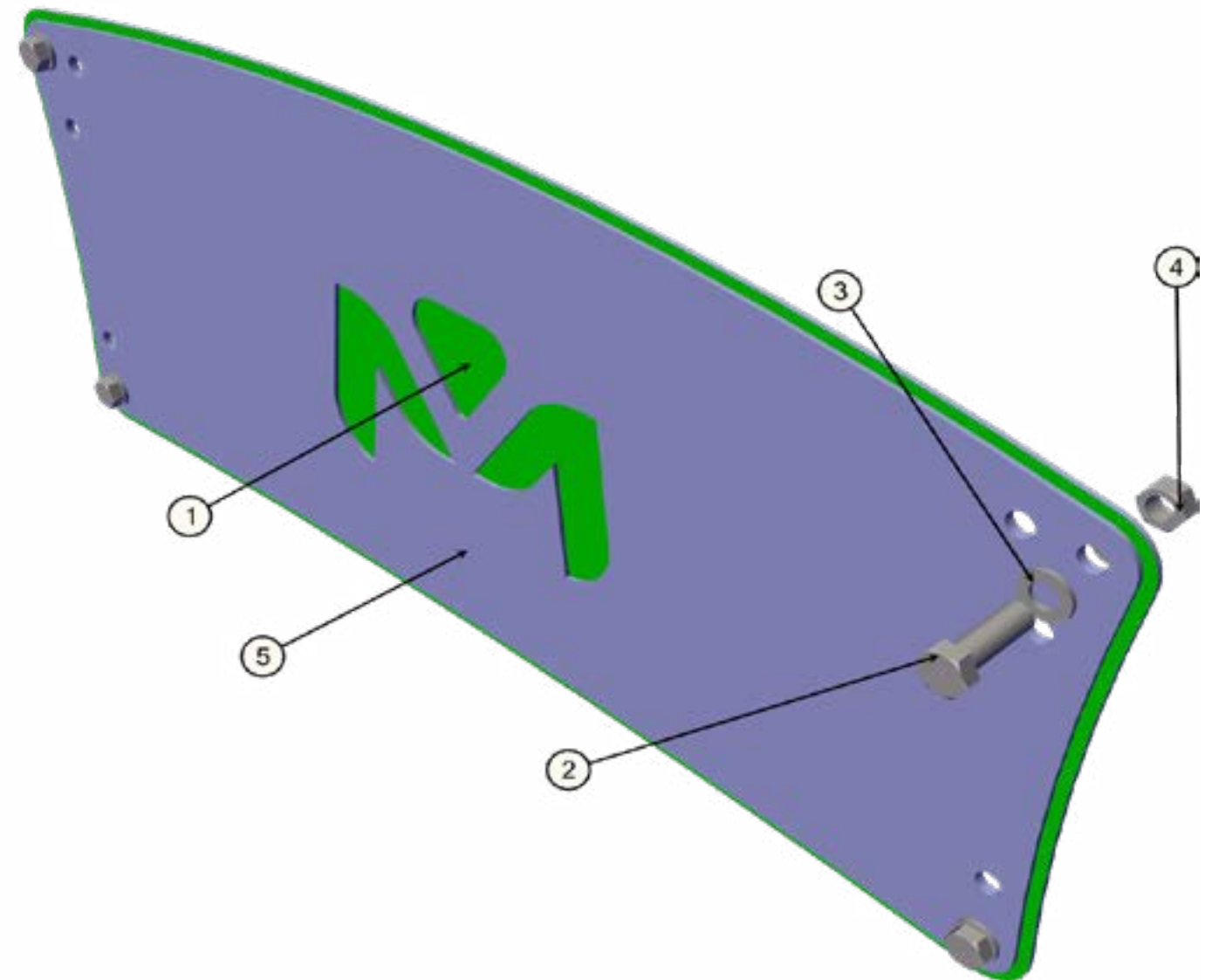


Item Number	Part Number	Description	Qty
1	32111923	FIRE EXT. ASY	1
2	32116161	WLDMT, LADDER, MANTIS	1
3	32116136	MOUNTING FLANGE, 6" OVAL LIGHT	2
4	32112271	PLATE, FENDER MNT, MANTIS	2
5	VA2363-0064	HARNESS, LIGHT ADAPTER	2
6	32112278	PLATE, LIGHT COVER, LH FRT	1
7	32111343	HI CT, OVAL LED STOP TAIL TURN	2
8	02969728	HHCS M6 - 1.0 X 20MM	4
9	02998439	NYLOCK NUT, M6 x 1.0	4
10	32113516	TAPE, ANTI-SLIP, 36" X 6" WIDE	3
11	32123966	NUT, NYLOK, M14 NC 10.9 ZP	5
12	00756077	WASHER, 5/8 HARDENED - PLATED	10
13	02997125	HHCS, M14-2.0 X 40MM, PL10.9	5
14	00753230	HEXB METRIC 8-P1.25-30MM PL5	7
15	02999069	NYLOCK NUT, M8 x 1.25	5
16	00023500	FLATWASHER 5/16, TYPE AW, ZP	12
17	02998438	NUT, NYLN INST, MS X 0.8, PL	4
18	88681481	FW, MS, 10.9 ZP	8
19	32113076	HHCS, M5-0.8 X 30LG, 8.8PL	4
20	32112432	PLATE, FIRE EXT SPACER	1
21	02958784	BOLT M8 P1.25 20mm	8
22	02970065	LOCKWASHER 8 MM	8
23	32124174	HHCS, M4-0.7 X 12MM, PL8.8	4
24	32113514	FENDER, RH FRONT	1
25	32113515	LH FENDER	1
26	32113538	ASY, DRIVELINE, MANTIS	1
27	02981084	HHCS, M12-P1.75 x 50mm PL10.9	2
28	02998042	M12 X 24MM WASHER PLT	4
29	32113537	LOCKNUT, M12 X 1.75, NYLOCK	2
30	00762398	HHCS, M10-P1.5 X 30MM PL8.8	16
31	88681485	WASHER, M10	16



INST, F COVER PLATE , Mantis P/N 32119108

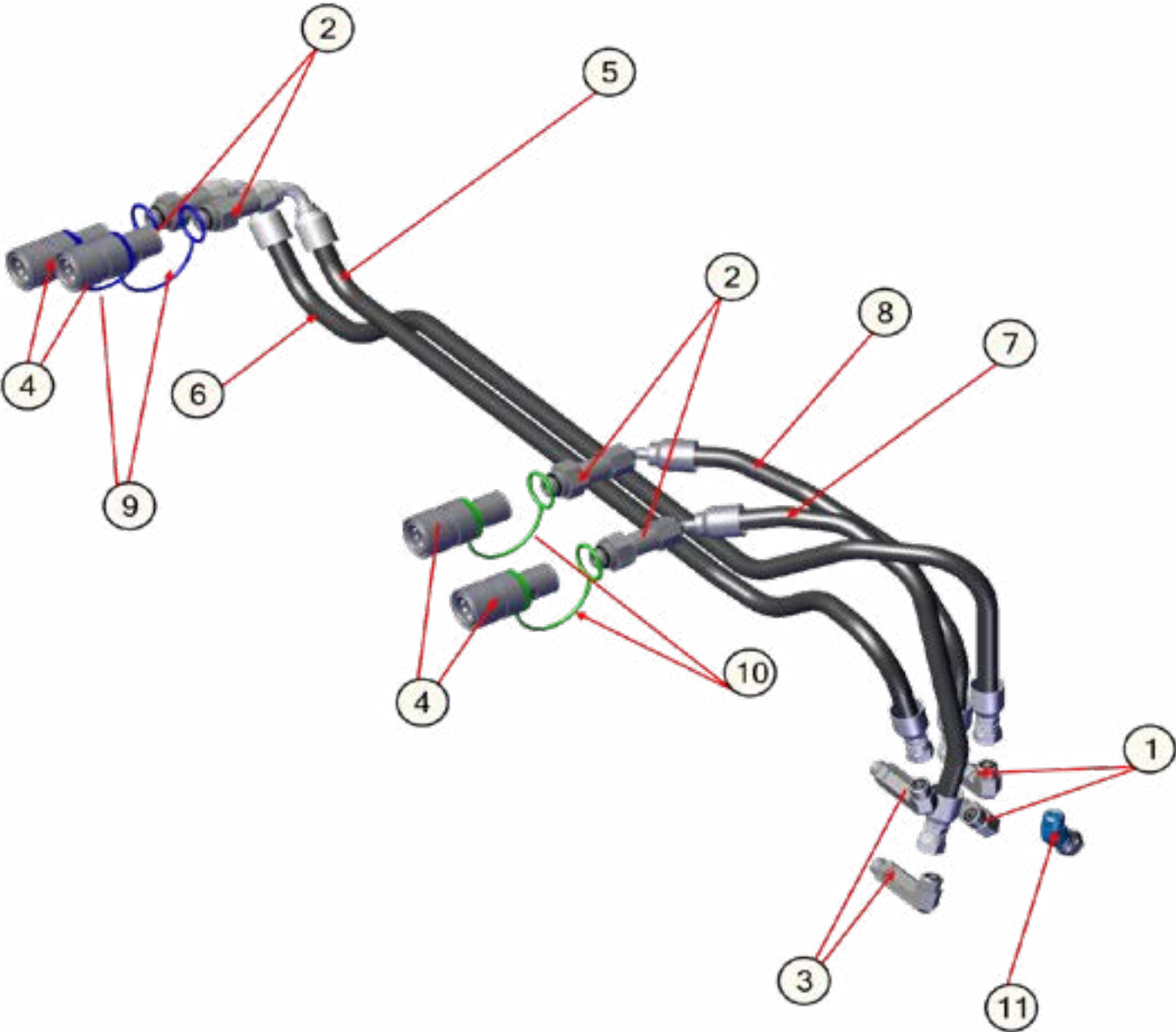
PARTS-11 DEALER OPTIONS



INST, F COVER PLATE , Mantis P/N 32119108

Item Number	Part Number	Description	Qty
1	32112396	PLATE, B.R. FRONT COVER	1
2	32110395	HHCS M16 NC X 50 10.9 YZ	4
3	32110379	FW, M16, 10.9 ZP	8
4	32110402	NUT, HEX, M16 NC 10.9 ZP	4
5	32112397	PLATE, B.R. COVER BACKING	1

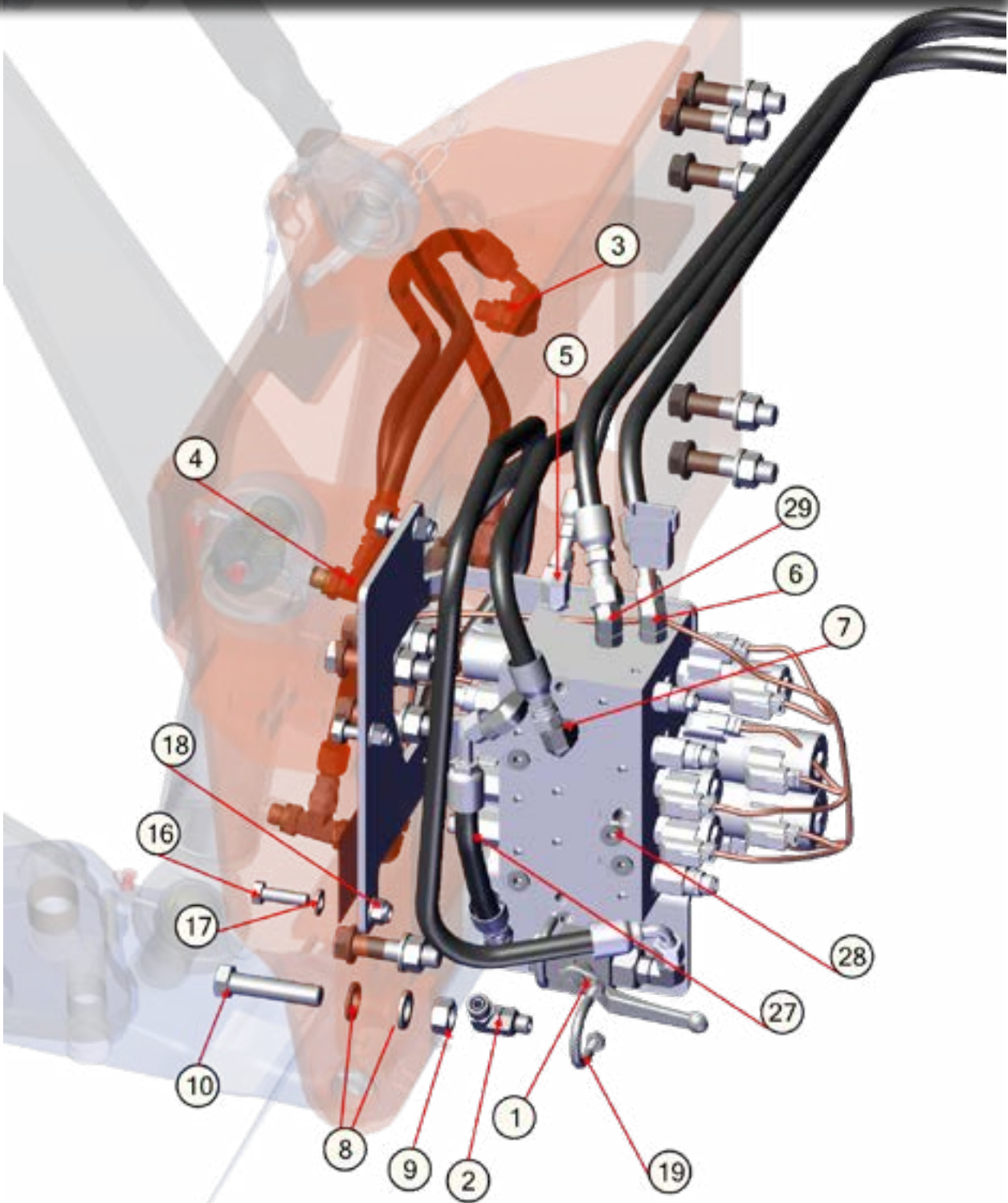
KIT, FRONT HYD REMOTE , Mantis P/N 32115107



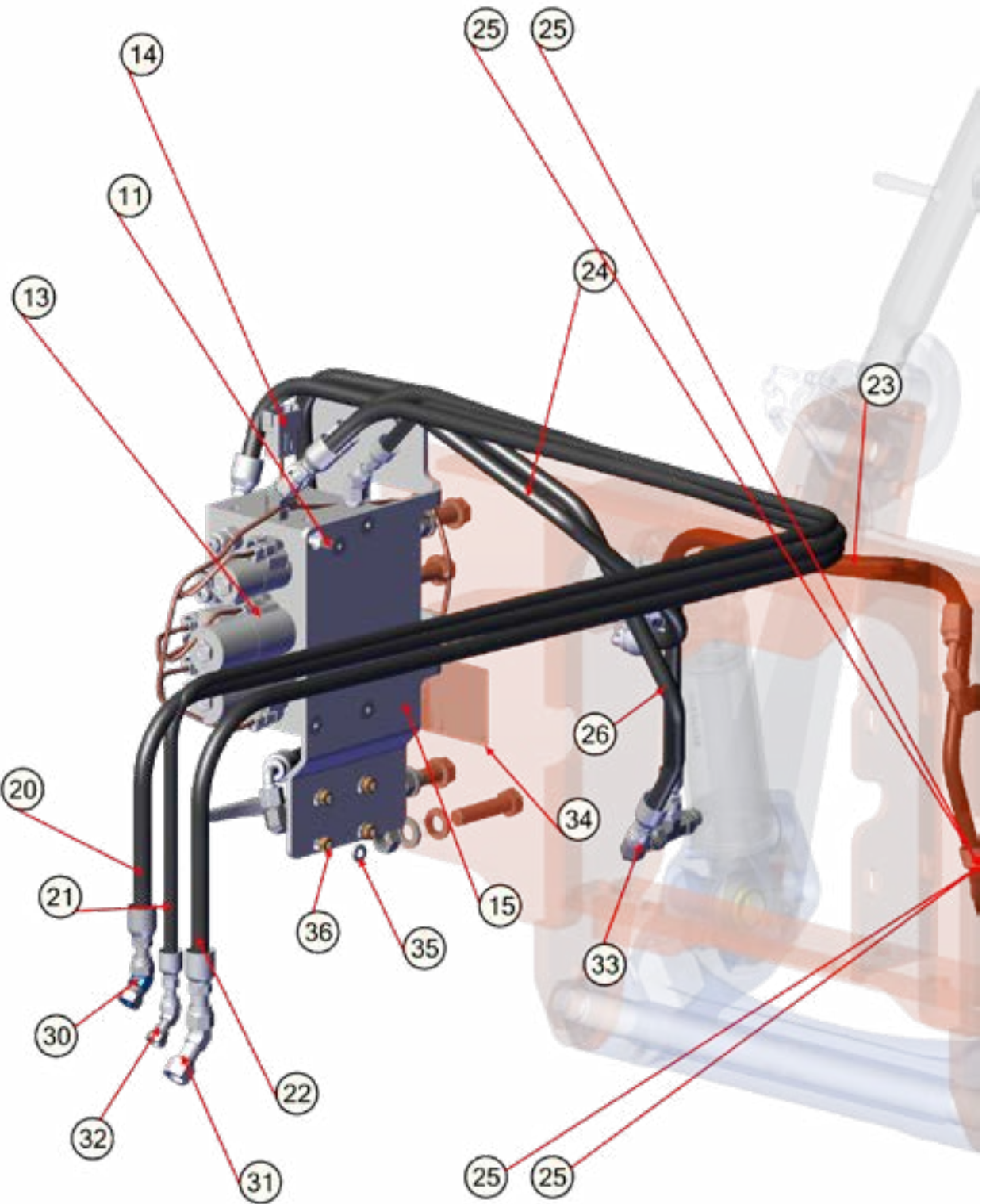
KIT, FRONT HYD REMOTE , Mantis P/N 32115107

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	02998821	HYO ADP, 06MB X 06MF X 90	2
2	88662911	HYO ADP, 08MB-08MF, BULKHEAD	4
3	32123412	HYO ADP, 06MB-06MF-90, LONG	2
4	88663058	QUICK DISCONNECT 1/2FM	4
5	32113382	HOSE #06 06FFX-08FFX90 39	1
6	32113383	HOSE #06 06FFXLG-08FFX90 43	1
7	32113384	HOSE #06 06FFXLG-08FFX45 16.75	1
8	32113385	HOSE #06 06FFXLG-08FFX45 20.25	1
9	32113251	PLUG, OD, BLUE	2
10	32113252	PLUG, QD, GREEN	2
11	02999441	HYO ADP FTG, 06MF-06FFX-45	1

KIT, FRONT 3PT, Mantis P/N 32115110



KIT, FRONT 3PT, Mantis P/N 32115110



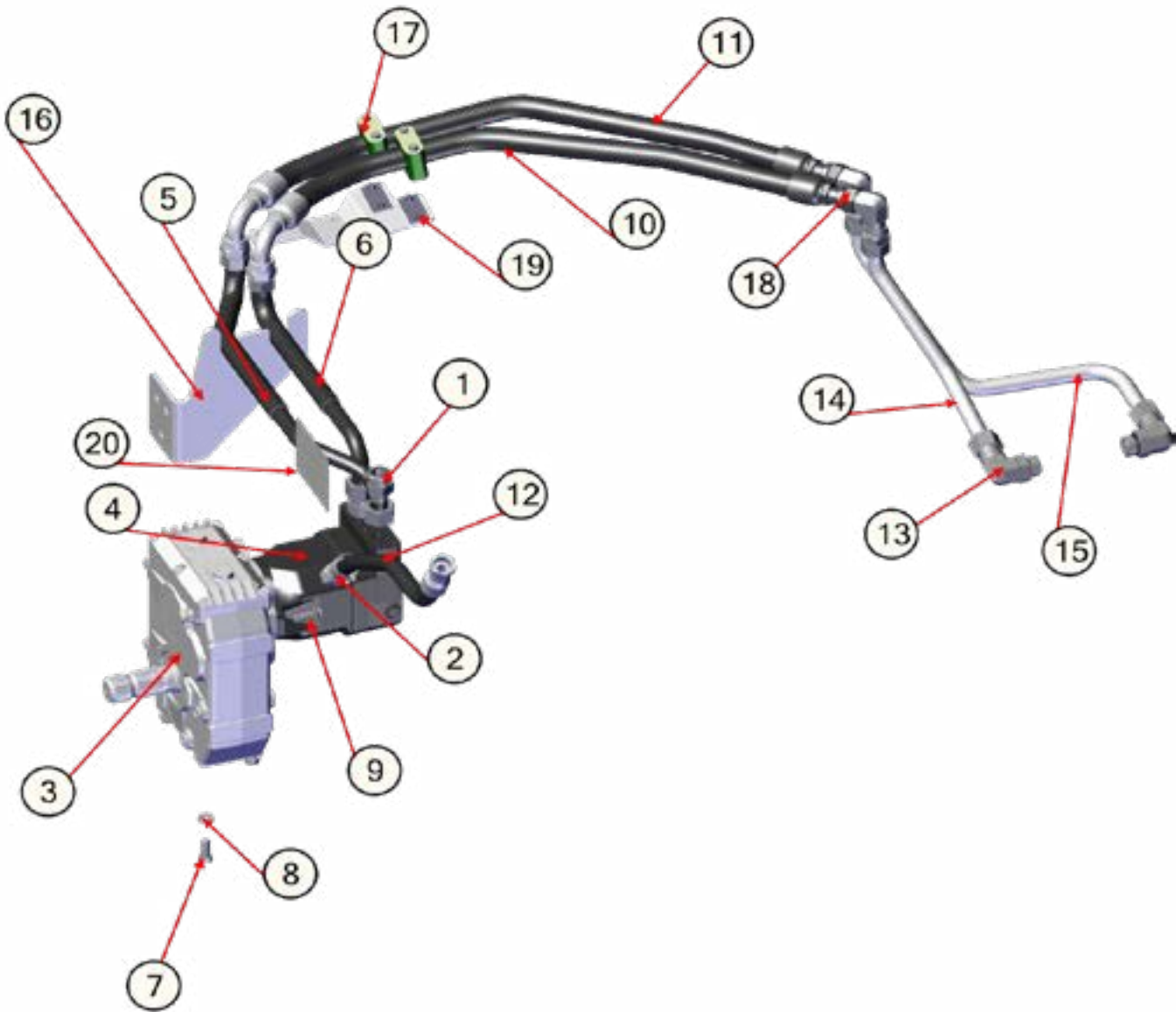
KIT, FRONT 3PT, Mantis P/N 32115110

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32113195	VALVE, BALL, LOCKOUT	1
2	02998821	HYO ADP, 06MB X 06MF X 90	2
3	80333208	HYO ADP, M16-1.5-06MF-90	2
4	88663064	HYO ADP,T,M16-1.5-06MF-06MF,RN	2
5	02998423	HYD ADP FTG, 04MB-04MF-45	1
6	MVSF0217	HYO FTG 06MB-06MF 45	1
7	32123415	HYO ADP, 04MB-06MF 90	2
8	32110379	FW, M16, 10.9 ZP	20
9	32110402	NUT, HEX, M16 NC 10.9 ZP	10
10	02965816	HHCS M16-2.0 X 70MM PL10.9	10
11	02998417	FHSCS, 3/8-16 X 0.875, PL	4
12	32113644	HITCH, 3 PT CAT II, MANTIS	1
13	32113222	MANIFOLD, 3PT	1
14	32113261	HARNESS,EXP,FRONT	1
15	32112431	PLATE, ADD ON MANIFOLD, FRONT	1
16	00754352	HHCS, M10-1.5 X 35MM, ZN8.8	3
17	80233220	FW, M10, CL 10.9, ZP	6
18	32113488	NUT, TPLK, M10-1.5, CLS 10 ZN	3
19	32113668	U-BOLT, 5/16-18, 1" PIPE, ZN	2
20	32113369	HOSE #06 06FFXLG-06FFXLG 70	1
21	32113370	HOSE #04 04FFX-04FFXLG 69	1
22	32113371	HOSE #06 08FFXLG-08FFXLG 70.5	1
23	32113380	HOSE #06 06FFXLG-06FFX45 21	1
24	32113379	HOSE #06 06FFX90-06FFX 34	1
25	32113377	HOSE #06 06FFXLG-06FFXLG 34	1
26	32113376	HOSE #06 06FFX90-06FFXLG 52	1
27	32113375	HOSE #06 06FFX45-06FFXLG 10.5	1
28	00791032	PLUG, SOCKET HEAD-6MB	4
29	32123416	HYO ADP, 06MB-08MF 45	1
30	02999441	HYO ADP FTG, 06MF-06FFX-45	1
31	MVSF0247	HYO FTG 08FFX-08MF 45	1
32	02998427	HYD ADP FTG, 04MF-04FFX-45	1
33	32113126	HYO FTG, 06FFX-06MF-90	1
34	D1183	DECAL, TEMPLATE	1
35	00023500	FLATWASHER 5/16, TYPE AW, ZP	4
36	00750940	NUT, TOPLOCK 5/16 NC PL B	4

KIT, FRONT 3PT, Mantis P/N 32115110

Spare Parts			
Parent Part	Part Number	Description	Qty
32113222	32124679	VALVE, CONTROL	1
32113222	32124681	VALVE, CONTROL	2
32113222	32124687	VALVE, COUNTERBALANCE 3000 PSI	1
32113222	32124695	VALVE, RELIEF, 3000 PSI	4
32113222	32124697	VALVE, RELIEF, 400 PSI	1
32113222	2975199	CARTRIDGE SOLENOID VALVE	5
32113222	2995440	COIL, CONTROL	4
32113222	2995447	COIL, CONTROL	7
32113644	32122077	BALL, LIFT ARM, 3PT, CAT II	2
32113644	32122093	PIN, CLEVIS, 1-1/4 X 2-3/4 EL	2
32113644	32122094	PIN, LYNCH, 3/8"	2
32113644	32122095	PIN, TOPLINK, CAT II	1
32113644	32122096	TOPINK, CAT II, MANTIS	1
32113644	32124652	CYL, LIFT, ZUID 3PT	2

KIT, FRONT PTO, Mantis P/N 32115106



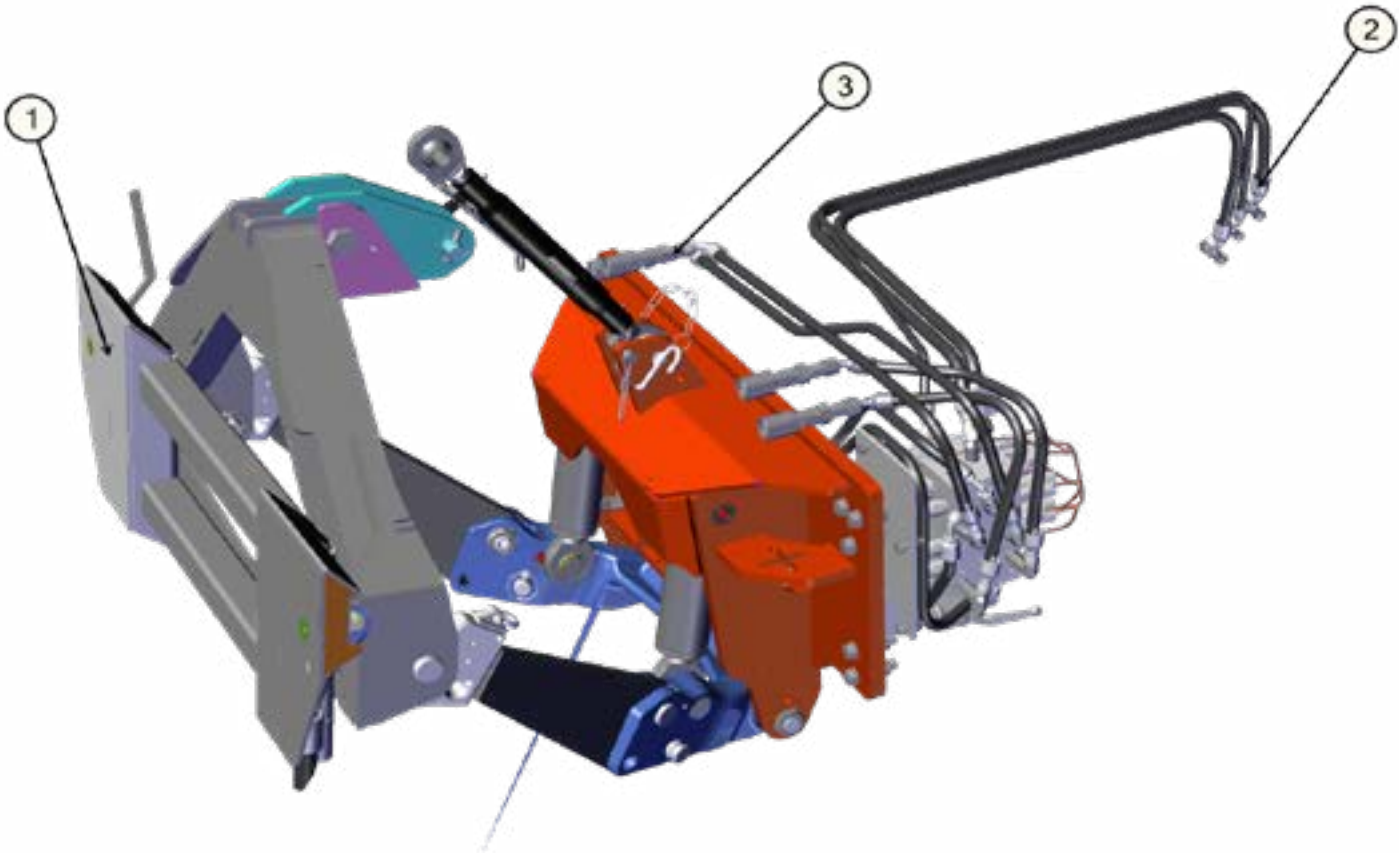
KIT, FRONT PTO, Mantis P/N 32115106

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	02998819	HYO ADP FTG, 12MB - 16MF	2
2	MVSF0270	HYO FTG 10MB-12MF	1
3	32113243	GEARBOX, PTO, BONDIOLI	1
4	32113241	MOTOR, PISTON, 63CC	1
5	32113583	HYO TUBE, FRT PTO B, TB11	1
6	32113584	HYO TUBE, FRT PTO A, TB10	1
7	02980728	HHCS, M12-P1.75 x 30mm PL10.9	8
8	02998042	M12 X 24MM WASHER PLT	8
9	32113727	FLCS, M14-2.0 X 30MM, 10.90	2
10	32113325	HOSE #16 16FFX90-16FFXLG 40	1
11	32113326	HOSE #16 16FFX90-16FFXLG 41	1
12	32113328	HOSE #12 12FFXLG-12FFX45 22	1
13	02998969	ADP HYO ELBOW 16MB-16MF 90	2
14	32113724	HYO TUBE, 4 KSI, 1" OD,TB23	1
15	32113725	HYO TUBE, 4 KSI, 1" OD,TB22	1
16	32112467	PLATE, PTO TUBE BRACE, MANTIS	1
17	02965059	CLAMP -1-1/2 TUBE SINGLE	2
18	32122443	HYO FTG, 16MF X 16FFX 90	2
19	32116211	WLDMT, PTO HOSE CLAMP, FRONT	1
20	D970	DECAL, DANGER, PTO ENTGLMNT	1

Spare Parts

Parent Part	Part Number	Description	Qty
32113241	32124662	SEAL KIT, BOSCH, A10FM	1
32113243	32124646	BEARING, PTO GEAR BOX	2
32113243	32124647	BEARING, PTO GEAR BOX	2
32113243	32124649	BREATHER PLUG, PTO GEAR BOX	1
32113243	32124650	COVER, TOP, PTO GEARBOX	1
32113243	32124655	MAG DRAIN PLUG, PTO GEAR BOX	1
32113243	32124660	OIL LEVEL PLUG, PTO GEAR BOX	1
32113243	32124670	SEAL, SHAFT, PTO GEARBOX	1
32113243	32124676	SHAFT, INPUT, PTO GEARBOX	1

INST, FRNT 3 PT HITCH, SVC ,SS Mantis P/N 32119070

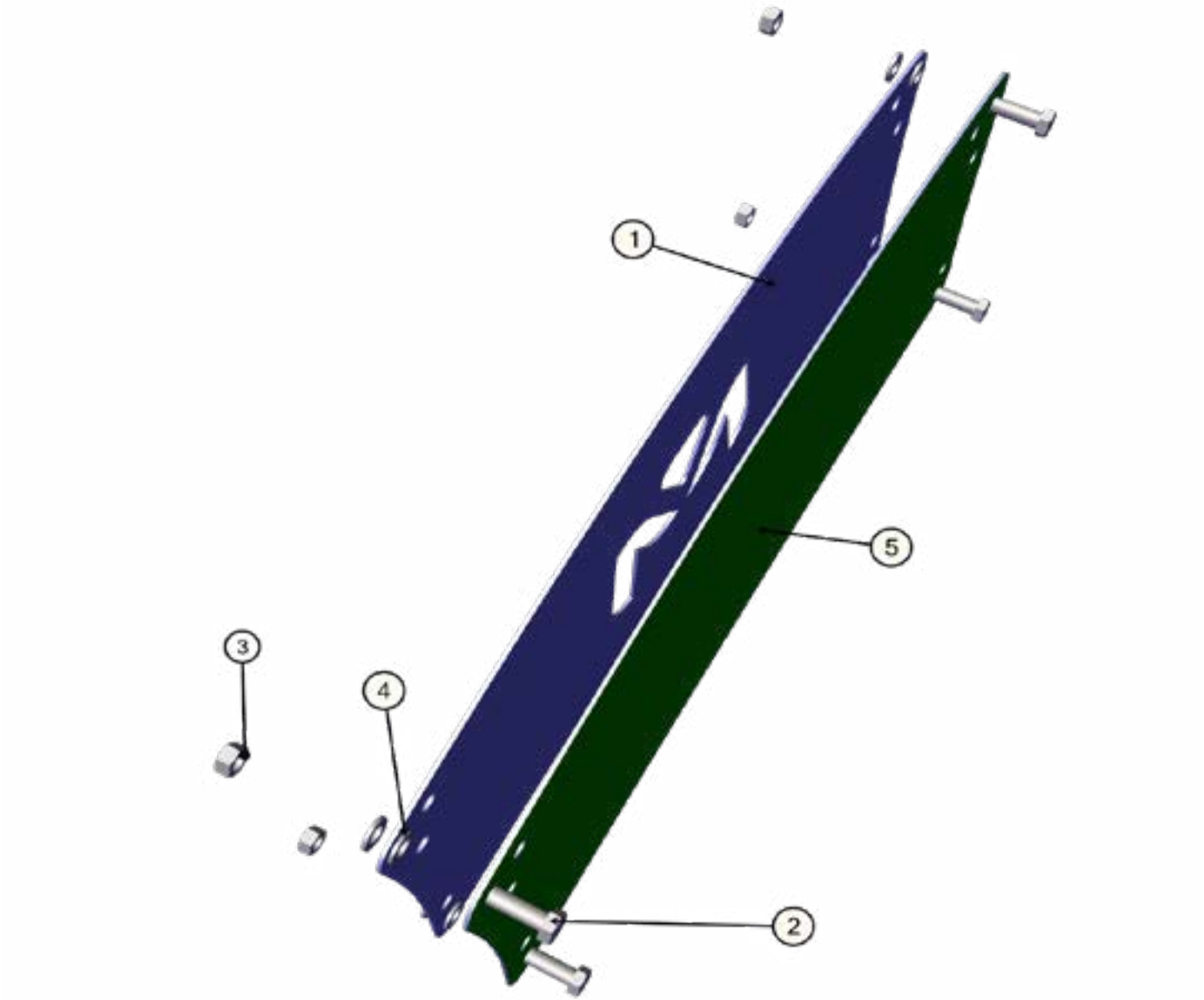


INST, FRNT 3 PT HITCH, SVC ,SS Mantis P/N 32119070

Item Number	Part Number	Description	Qty
1	32115027	HITCH, UNIVERSAL SKID STR	1
2	32115110	KIT, FRONT 3PT	1
3	32115107	KIT, FRONT HYO REMOTE	1



INST, R COVER PLATE Mantis P/N 32119109



INST, R COVER PLATE Mantis P/N 32119109

Item Number	Part Number	Description	Qty
1	32112396	PLATE, B.R. FRONT COVER	1
2	32110395	HHCS M16 NC X 50 10.9 YZ	4
3	32110402	NUT, HEX, M16 NC 10.9 ZP	4
4	32110379	FW, M16, 10.9 ZP	8
5	32112397	PLATE, B.R. COVER BACKING	1

KIT, REAR PTO, Mantis P/N 32115108

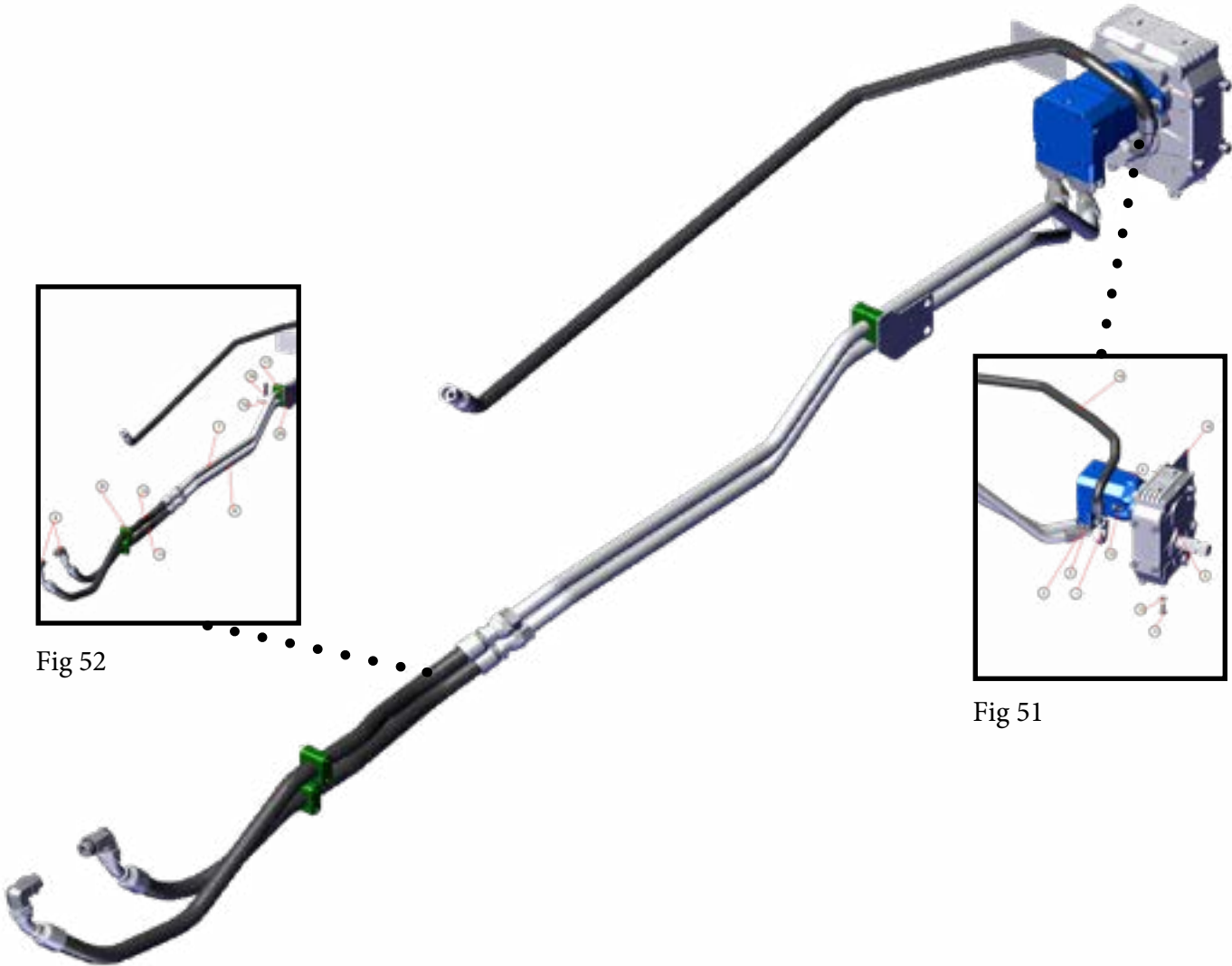


Fig 52

Fig 51

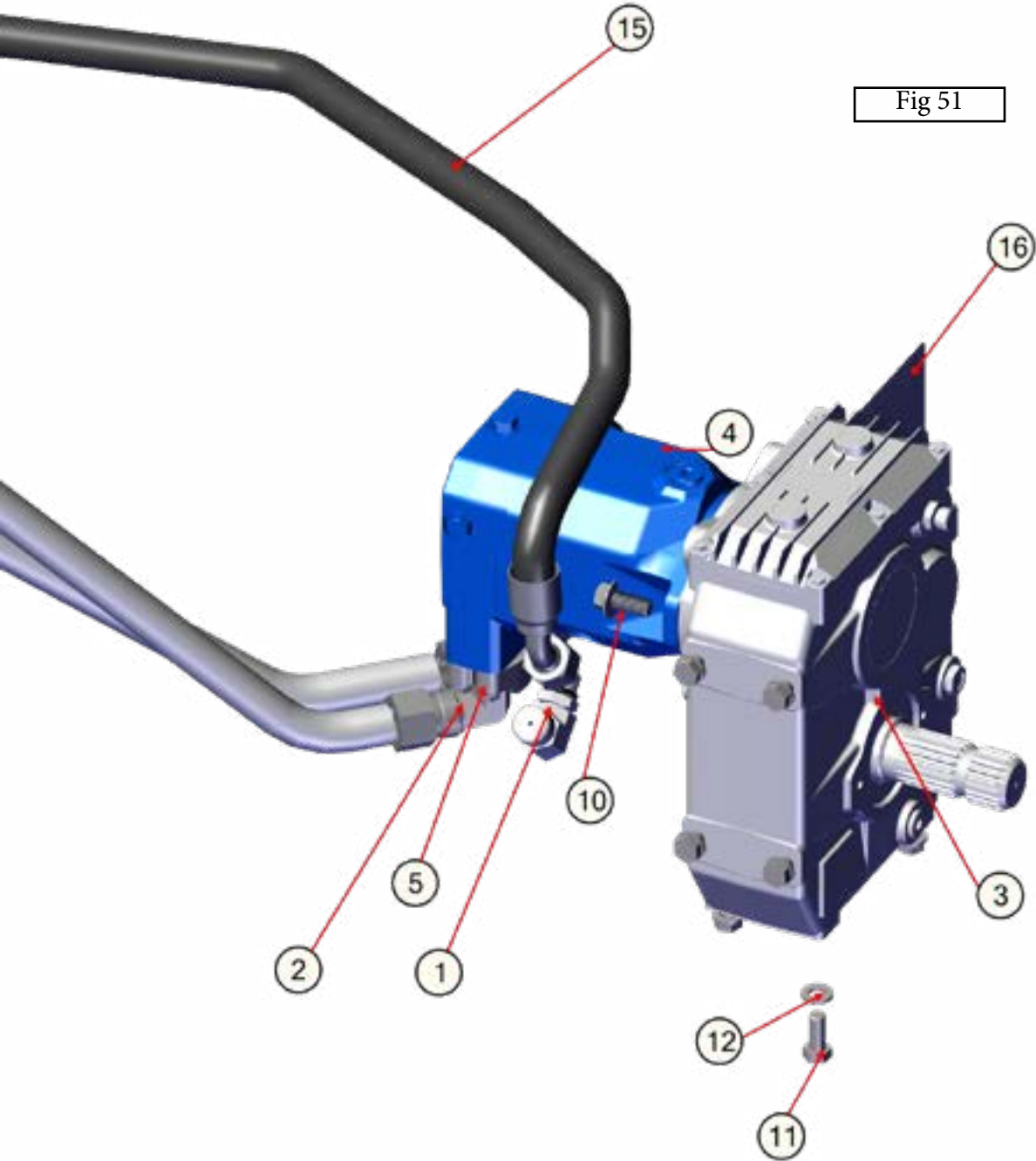


Fig 51

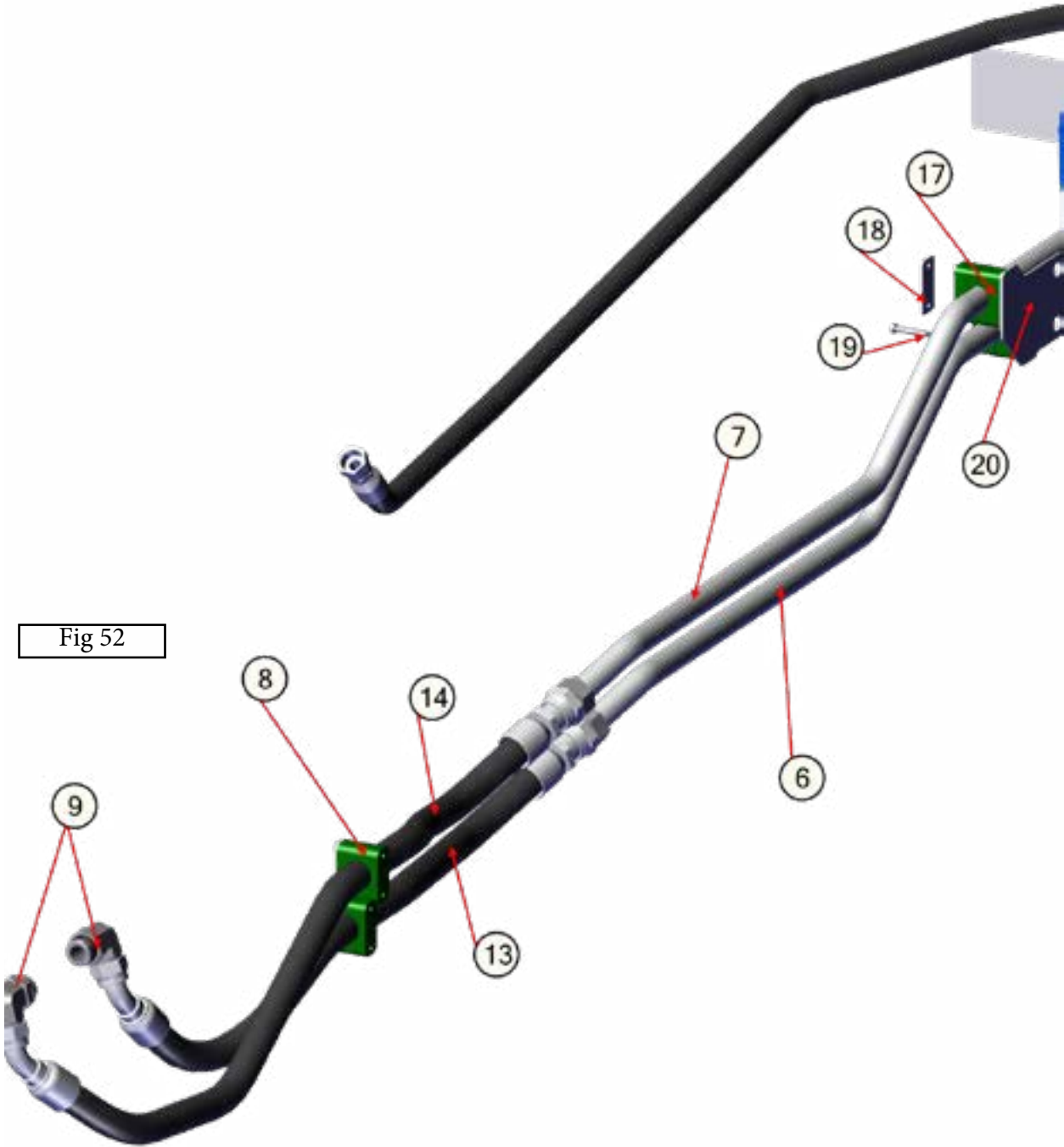


Fig 52

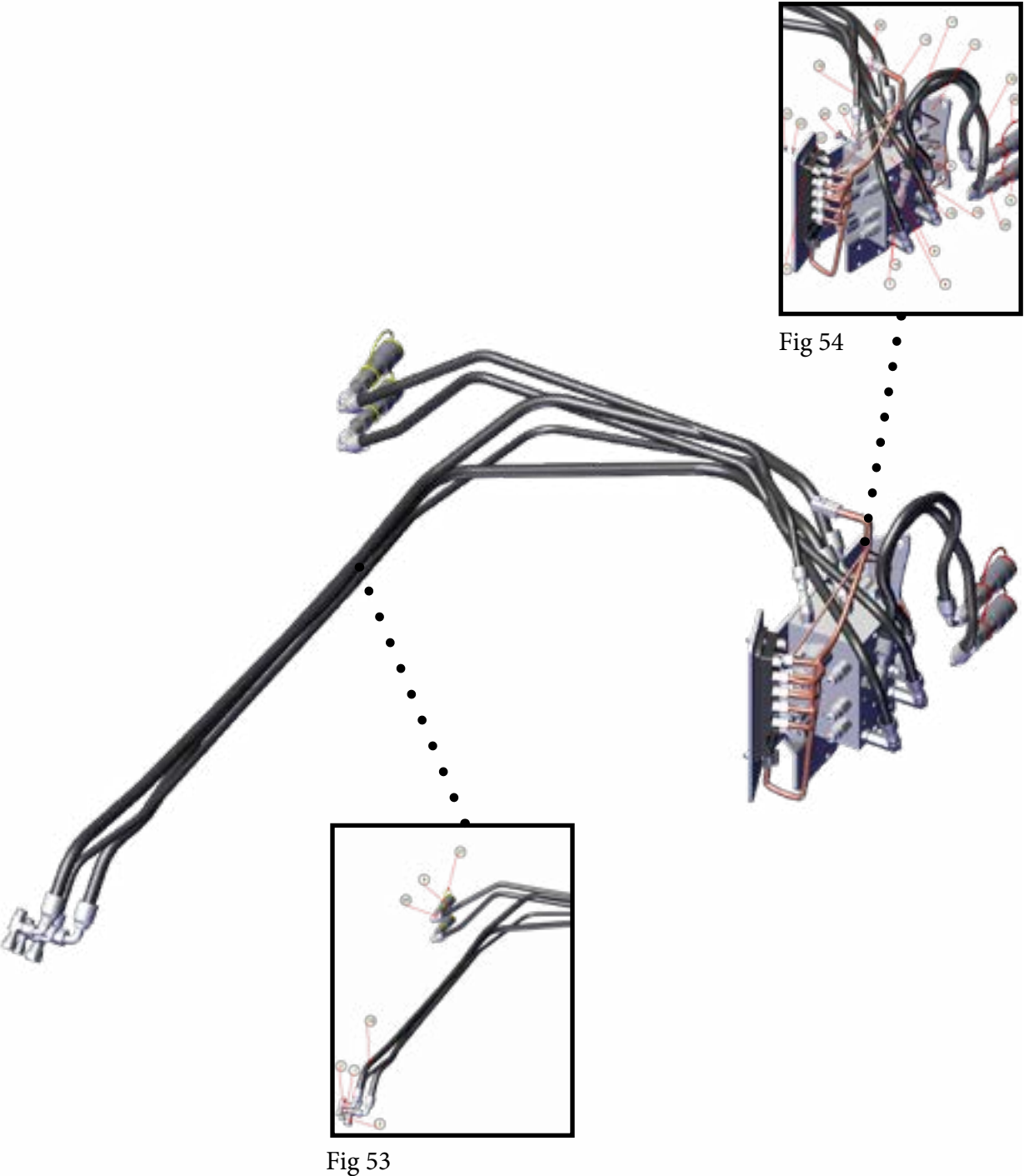
KIT, REAR PTO, Mantis P/N 32115108

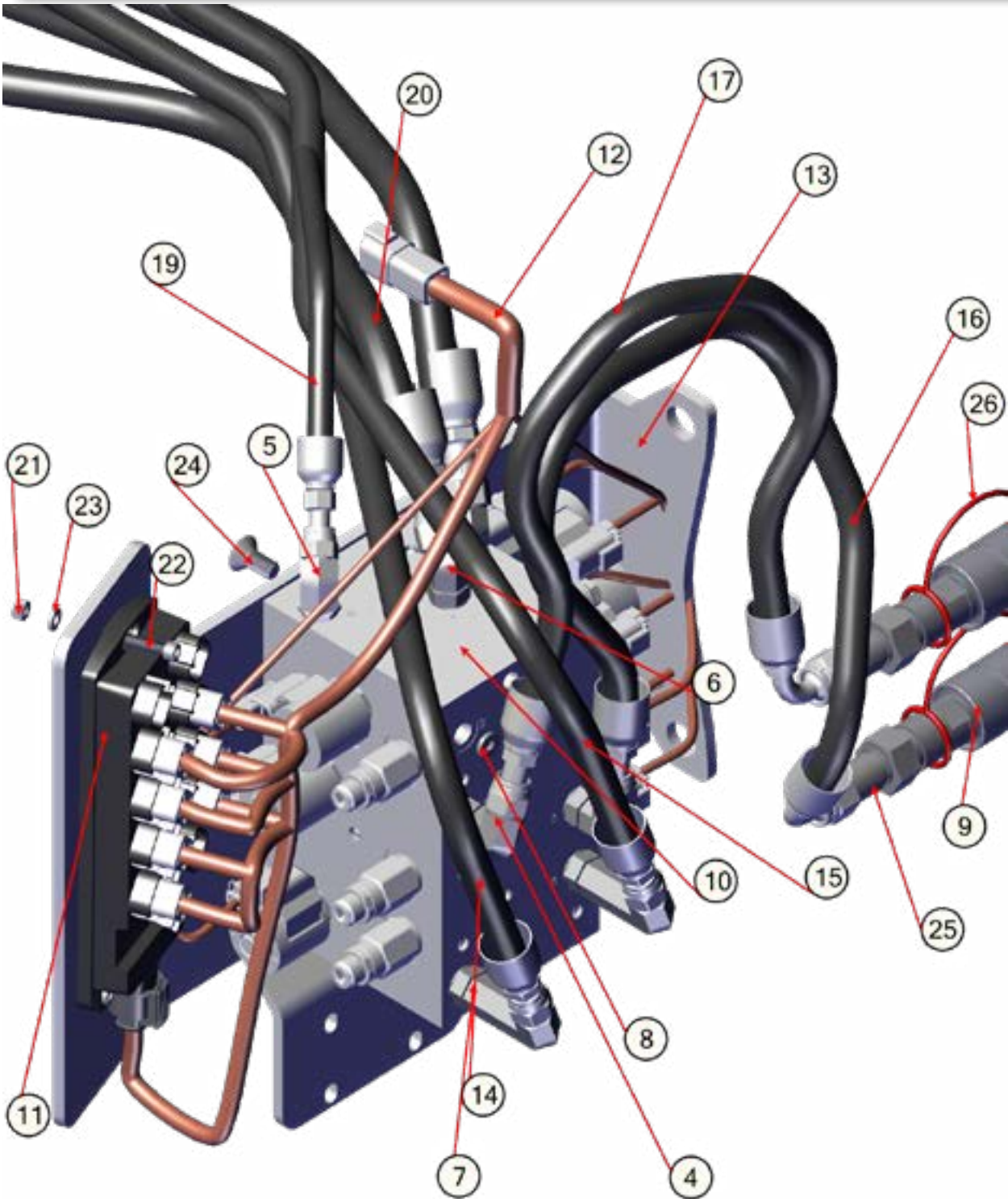
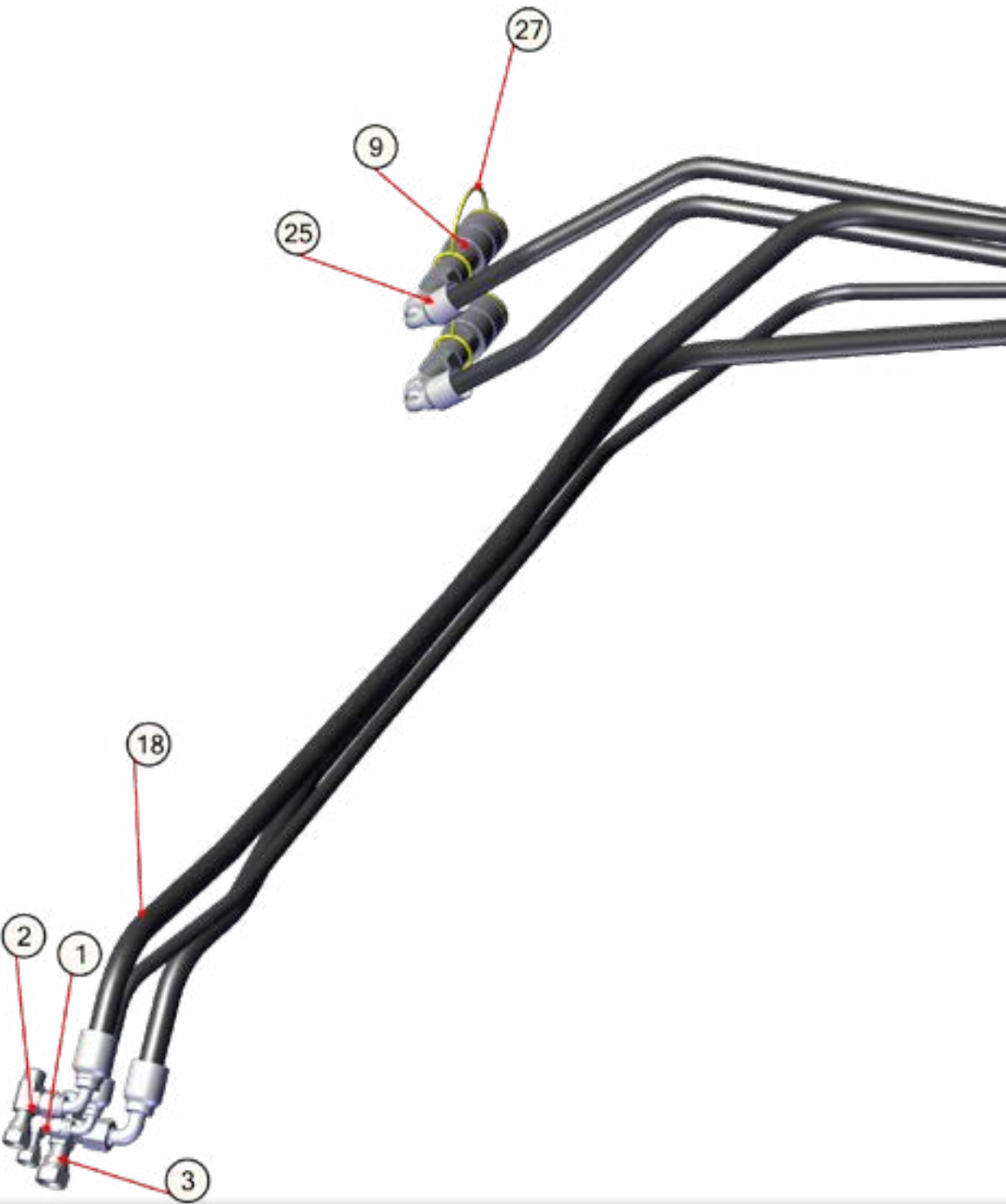
ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	MVSF0237	HYD FTG 10MB-12MF 90	1
2	32123433	HYD ADP, 12FL-16MF-90, CD62	2
3	32113243	GEARBOX, PTO, BONDIOLI	1
4	32113241	MOTOR, PISTON, 63CC	1
5	02994909	KIT, FLANGE, #12 CODE 62	2
6	32113582	HYO TUBE, REAR PTO A, TB6	1
7	32113581	HYO TUBE, REAR PTO B, TB7	1
8	02965059	CLAMP -1-1/2 TUBE SINGLE	2
9	02998969	ADP HYO ELBOW 16MB-16MF 90	2
10	32113727	FLCS, M14-2.0 X 30MM, 10.9□	2
11	02980728	HHCS, M12-P1.75 x 30mm PL10.9	8
12	02998042	M12 X 24MM WASHER PLT	8
13	32113324	HOSE #16 16FFX45-20FFXLG 44.75	1
14	32113323	HOSE #16 16FFX45-20FFXLG 55	1
15	32113351	HOSE #12 12FFX45-12FFX 75	1
16	D970	DECAL, DANGER, PTO ENTGLMNT	1
17	32123770	HYO CLMP, CTR PAIR, 1-1/4" GP5	2
18	32123772	PLATE, COVER, HYO CLAMP, GRP 5	2
19	32123780	HHCS 1/4-20 X 2-3/8 PL5	4
20	32116212	WLDMT, PTO HOSE CLAMP, REAR	1

Spare Parts

Parent Part	Part Number	Description	Qty
32113241	32124662	SEAL KIT, BOSCH, A10FM	1
32113243	32124646	BEARING, PTO GEAR BOX	2
32113243	32124647	BEARING, PTO GEAR BOX	2
32113243	32124649	BREATHER PLUG, PTO GEAR BOX	1
32113243	32124650	COVER, TOP, PTO GEARBOX	1
32113243	32124655	MAG DRAIN PLUG, PTO GEAR BOX	1
32113243	32124660	OIL LEVEL PLUG, PTO GEAR BOX	1
32113243	32124670	SEAL, SHAFT, PTO GEARBOX	1
32113243	32124676	SHAFT, INPUT, PTO GEARBOX	1

KIT, REAR HYD REMOTE, Mantis P/N 32115109

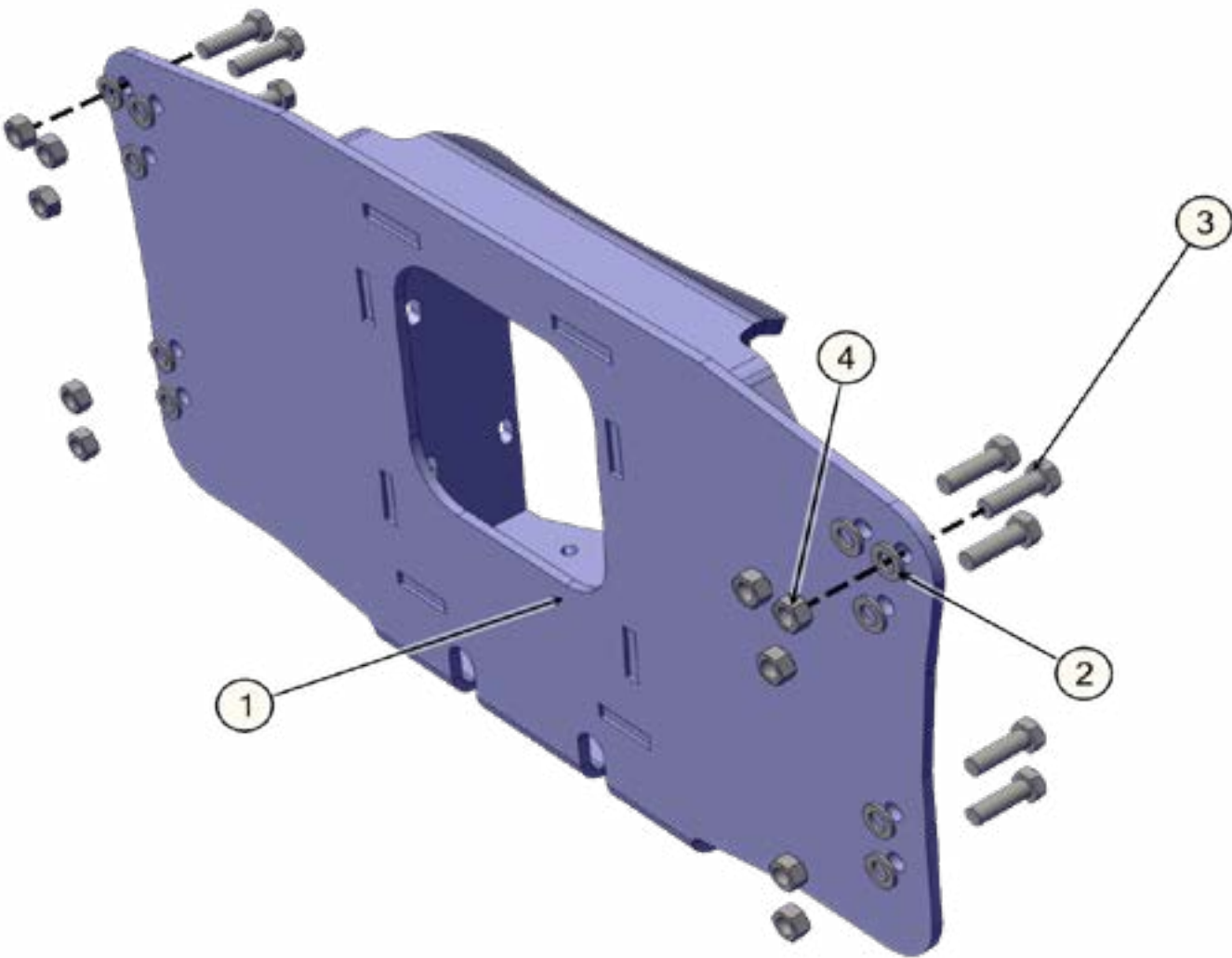




KIT, REAR HYD REMOTE, Mantis P/N 32115109

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
1	32122883	HYD ADP, 04MF-04MF-04FFX RN TE	1
2	32122678	HYD TEE, 06FFX-06MF-06MF, RUN	1
3	32122882	HYD ADP, 08MF-08MF-08FFX RN TE	1
4	02998821	HYO ADP, 06MB X 06MF X 90	2
5	02998423	HYD ADP FTG, 04MB-04MF-45	1
6	32123416	HYD ADP, 06MB-08MF 45	2
7	32123412	HYD ADP, 06MB-06MF-90, LONG	2
8	32123408	HYD PLUG, 04MB, SH	2
9	88663058	QUICK DISCONNECT 1/2FM	4
10	32113222	MANIFOLD, 3PT	1
11	32113667	ELECTRICAL, IFM 2051	1
12	32113262	HARNESS,EXP,REAR	1
13	32112433	PLATE, REAR REMOTE VALVE	1
14	32113388	HOSE #06 06FFX-08FFX90 56	1
15	32113389	HOSE #06 06FFX-08FFX90 54	1
16	32113387	HOSE #06 06FFXLG-08FFX90 25	1
17	32113386	HOSE #06 06FFXLG-08FFX90 23	1
18	32113374	HOSE #08 08FFXLG-06FFX90 80	1
19	32113373	HOSE #04 04FFXLG-04FFX90 84	1
20	32113372	HOSE #08 08FFXLG-08FFX90 78	1
21	02998439	NYLOCK NUT, M6 x 1.0	3
22	32113496	SHCS, M6-1.0 X 25MM, ZN	3
23	32110895	FW, M6, 10.9 ZP	3
24	02998417	FHSCS, 3/8-16 X 0.875, PL	4
25	88662911	HYD ADP, 08MB-08MF, BULKHEAD	4
26	32113253	PLUG, QD, RED	2
27	32113254	PLUG, QD, YELLOW	2

INST, REAR DRAWBAR, Mantis P/N 32119067



INST, REAR DRAWBAR, Mantis P/N 32119067

Item Number	Part Number	Description	Qty
1	32116101	WLDMT, REAR DRAWBAR	1
2	32110379	FW, M16, 10.9 ZP	20
3	32110395	HHCS M16 NC X 50 10.9 YZ	10
4	32110402	NUT, HEX, M16 NC 10.9 ZP	10

