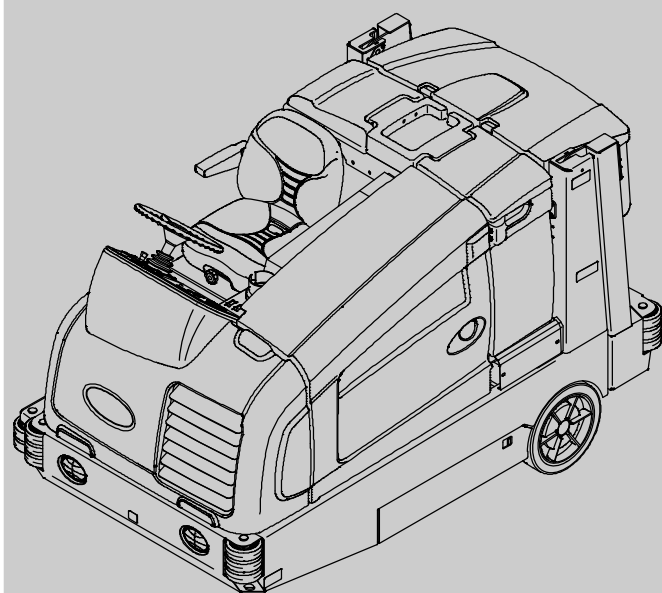
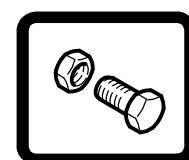




M20

(Gas/LPG)

Scrubber-Sweeper Parts Manual



The Safe Scrubbing Alternative®



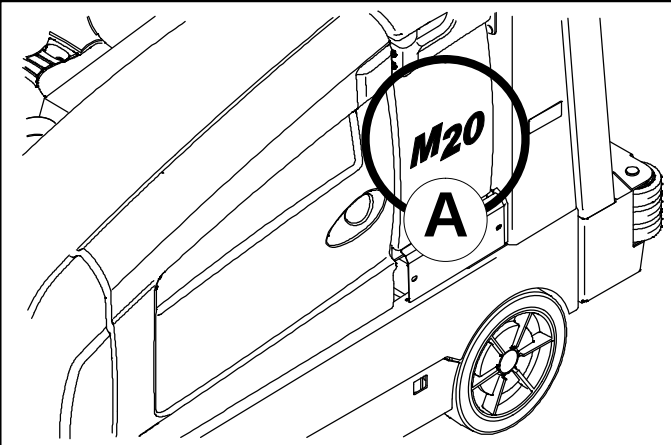
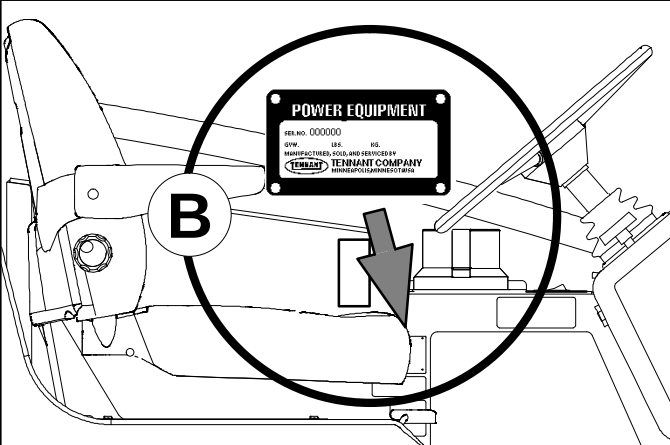
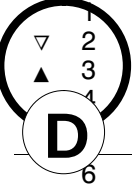
TennantTrue™ Parts and Supplies
Hygenic® Fully Cleanable Tanks
FloorSmart™ Integrated Cleaning System
ES® Extended Scrub System

North America / International

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331381
Rev. 011 (1-2012)



				
Ref	Part No.	Serial Number	Description	Qty.
 (D)	82681	(000000—)	Bracket Wldt, Lpg Mount	1
	63810	(000000—)	Latch Assy, Lpg Tank Mtg, W/Nut	4
	51839	(000000—)	Nut Adjustable, Lpg Tank Mtg	2
	49263	(000000—)	Tie, Cable	3
	82556	(000000—001039)	Bracket, Vaporizer	1
6	54930	(000000—)	Vaporizer, LPG	1

HOW TO ORDER PARTS – See diagram above

Only use TENNANT Company supplied or equivalent parts. Parts and supplies may be ordered online, by phone, by fax or by mail.

Follow the steps below to ensure prompt delivery.

1. **(A)** Identify the machine model.
2. **(B)** Identify the machine serial number from the data plate.
3. **(C)** Ensure the proper serial number is used from the parts list.
4. Identify the part number and quantity.
Do not order by page or reference numbers.
5. Provide your name, company name, customer ID number, billing and shipping address, phone number and purchase order number.
6. Provide detail shipping instructions.

(D) ▽ – Identifies an assembly
▲ – Identifies parts included in assembly

Please fill out at time of installation for future reference.

Model No. – _____

Serial No. – _____

Machine Options – _____

Sales Rep. – _____

Sales Rep. phone no. – _____

Customer ID Number – _____

Installation Date – _____

Tennant Company

PO Box 1452

Minneapolis, MN 55440

Phone: (800) 553-8033 or (763) 513-2850

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Specifications and parts are subject to change without notice.

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CN	如何订购部件 – 参见下表 仅使用 TENNANT 公司提供的或同等部件。部件和供应可以在线订购，通过电话、传真或邮件订购。 请遵循下面的步骤确保及时交付。 1. (A) 确定机器型号。 2. (B) 从数据标签确定机器序列号。 3. (C) 确保使用部件列表中的正确序列号。 4. 确定部件号和数量。 不要按页面或参考编号订购。 5. 提供您的姓名、公司名称、客户 ID 号、付帐和送货地址、电话号码和采购单编号。 6. 提供详细的送货说明。 (D) ▽ – 确定组件 ▲ – 确定组件中包含的组件	请在安装时填写供未来参考。 型号 – _____ 序列号 – _____ 机器选项 – _____ 销售代表 – _____ 销售代表电话号码 – _____ 客户 ID 编号 – _____ 安装日期 – _____
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ES	CÓMO SOLICITAR PIEZAS – Consulte el diagrama anterior. Utilice sólo las piezas suministradas por TENNANT Company o piezas equivalentes. Puede solicitar las piezas a través de internet, por teléfono, por fax o por correo. Siga los siguientes pasos para que la entrega sea rápida. 1. (A) Indique el modelo de máquina. 2. (B) Indique el número de serie de la etiqueta de datos. 3. (C) Asegúrese de que indica el número de serie correcto de la lista de piezas. 4. Indique la cantidad y el número de la pieza. No realice el pedido indicando el número de página o el de referencia. 5. Incluya su nombre, el nombre de la empresa, el ID de cliente, las direcciones de envío y facturación, el número de teléfono y el número del pedido de compra. 6. Facilite instrucciones de envío. (D) ▽ – identifica un conjunto ▲ – identifica piezas de un conjunto	Rellene estos datos cuando realice la instalación para utilizarlos como referencia en el futuro. Nº modelo – _____ Nº serie – _____ Opciones de la máquina – _____ Vendedor – _____ Nº teléfono vendedor – _____ Nº cliente – _____ Fecha de instalación – _____
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FR	COMMENT COMMANDER DES PIÈCES DÉTACHÉES – Voir le schéma ci-dessus. Utilisez uniquement des pièces fournies par la société TENNANT ou équivalentes. Les pièces et fournitures peuvent être commandées en ligne, par téléphone, fax, ou par courrier. Suivez les étapes ci-dessous pour assurer une livraison rapide. 1. (A) Identifiez le modèle de la machine. 2. (B) Identifiez le numéro de série de la machine, à partir de l'étiquette signalétique. 3. (C) Assurez-vous que le numéro de série correct est utilisé à partir de la liste de pièces détachées. 4. Identifiez le numéro de pièce et la quantité. Ne commandez pas par page ou numéros de référence. 5. Fournissez votre nom, le nom de votre société, votre numéro d'identification de client, l'adresse de facturation et d'expédition, le numéro de téléphone et le numéro du bon de commande. 6. Fournissez des instructions d'expédition détaillées. (D) ▽ – identifie un assemblage ▲ – identifie les pièces composant l'assemblage	A remplir au moment de l'installation à titre de référence. Nº du modèle – _____ Nº de série – _____ Options de la machine – _____ Agent commercial – _____ Nº tél. de l'agent commercial – _____ Numéro d'identification client – _____ Date d'installation – _____
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JP	パーツの発注方法 ? 上記の図を参照してください TENNANT社製のパーツまたは同等品のみをお使いください。 パーツやサプライ品のご注文は、オンライン、電話、FAX、または手紙でお願いいたします。 確実にお届けできるように、以下の情報お知らせください。 1. (A) 製品のモデル名をお知らせください。 2. (B) 製品のデータラベルに印刷されているシリアル番号をお知らせください。 3. (C) パーツリストを参照して、シリアル番号が正しいかご確認ください。 4. パーツ番号と数量をお知らせください。マニュアル/カタログのページ番号や参照番号でのご注文はご遠慮ください。 5. お客様のお名前、会社名、顧客ID番号、請求/発送先住所、電話番号、注文書番号をお知らせください。 6. 発送に関するご希望があれば、明記してください。 (D) ▽ – アセンブリを示します ▲ – アセンブリに含まれるパーツを示します	後日確認できるように、設置時に記入してください。 モデルNo. – _____ シリアルNo. – _____ 製品のオプション – _____ 販売代理店 – _____ 販売代理店の電話番号 – _____ 顧客ID番号 – _____ 設置日 – _____
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GENERAL RECOMMENDED MAINTENANCE

General Recommended Maintenance Items

Ref.	Part No.	Serial Number	Description	Qty.
▽	9002553	(000000-	) Maint Kit, Gas, 400hr[M20/T20]	1
▲	372575	(000000-	) Sparkplug [Gm]	4
▲	369746	(000000-	) Element, Fltr, Air [Dn]	1
▲	372440	(000000-	) Filter, Fuel [Gm 1.6l/3.0l]	1
▽	9002554	(000000-003122	) Maint Kit, Lpg, 400hr[M20/T20]	1
▲	372575	(000000-003122	) Sparkplug [Gm]	4
▲	369746	(000000-003122	) Element, Fltr, Air [Dn]	1
▲	372615	(000000-003122	) Filter Kit, Fuelock, Lpg	1
▽	9007382	(003123-	) Maint Kit, 400hr [M20/T20/M30 Lpg 2010]	1
▲	372575	(003123-	) Sparkplug [Gm, 1pick=1plug]	4
▲	369746	(003123-	) Element, Fltr, Air [Dn]	1
▲	9007380	(003123-	) Filter, Fuelock,Lpg[Gm1.6l 2010]	1
▽	9002555	(000000-	) Maint Kit, Gas, 800hr[M20/T20]	1
▲	31613	(000000-	) Strainer, Hyd, 25 Gpm 100 Mesh	1
▲	25122	(000000-	) Cap, Breather, Hyd, 2.4 Ds	1
▲	1021579	(000000-	) Filter Assy [Pt4 936498]	1
▲	372440	(000000-	) Filter, Fuel [Gm 1.6l/3.0l]	1
▽	9002613	(000000-003122	) Maint Kit, Lpg, 800hr[M20/T20]	1
▲	31613	(000000-003122	) Strainer, Hyd, 25 Gpm 100 Mesh	1
▲	25122	(000000-003122	) Cap, Breather, Hyd, 2.4 Ds	1
▲	1021579	(000000-003122	) Filter Assy [Pt4 936498]	1
▲	372615	(000000-003122	) Filter Kit, Fuelock, Lpg	1
▽	9007381	(003123-	) Maint Kit, 800hr [M20/T20/M30 Lpg 2010]	1
▲	31613	(003123-	) Strainer, Hyd, 025gpm 100mesh 03psi	1
▲	25122	(003123-	) Cap, Breather, Hyd, 2.4 Ds	1
▲	1021579	(003123-	) Filter Assy, Hyd, 10mic	1
▲	9007380	(003123-	) Filter, Fuelock,Lpg[Gm1.6l 2010]	1
	371972	(000000-	) Element, Fltr, Oil, Eng, Spin-On	1
	1048295AM	(000000-	) Filter, Panl, Syn, 4.2 X 20.0 X 30.0	1
	1027290	(000000-	) Filter, Soltn, 20mesh, Pm12 3.1d 02.6l	1
	87866	(000000-	) Key, Ignition [Set Of 2]	1
	10137	(000000-	) Battery, Wet, 12vdc 0475cca	1
	20833	(000000-	) Wheel, 3.0d 1.38w 0.50b	2
	1033644	(000000-	) Belt, Ribbed, 38.5l	1
	1024586	(000000-	) Skirt, Neo, .06, 06.85w 27.95l, 08 Hole	2
	1019295	(000000-	) Skirt, Neo, .18, 10.37w 27.95l, 12 H&S	2
	1020166	(000000-	) Skirt, Neo, .06, 12.00w 45.88l, 07 Hole	1
	1022009	(000000-	) Skirt, Neo, .06, 06.38w 40.86l, 06 Hole	1
	1022007	(000000-	) Skirt, Rbr, .37, 04.50w 40.94l, 06 Hole	1
	1017868	(000000-	) Blade, Sqge, Front [Linard]	1
	1031331	(000000-	) Blade, Sqge, Rear, Linatex	1
	83874	(000000-	) Gasket, Sqge	2
	1031011	(000000-	) Blade, Sqge, 37.08l Linatex	2
	1027719	(000000-	) Blade, Sqge, Front, 49.59l Pyu	1
	1031945	(000000-	) Blade, Sqge, Rear, 53.78L Pyu	1
	1031823	(000000-	) Blade, Sqge, .38 3.55w 038.3l, Ure	2

GENERAL RECOMMENDED MAINTENANCE

General Recommended Maintenance Items

Ref.	Part No.	Serial Number	Description	Qty.
	1027716	(000000-003076)	Squeegee Assy, Sba, Ure	1
	1059091	(003077-	Blade, Sqge, Side Brush, Urethane	1
	1059092	(003077-	Blade, Sqge, Side Brush, Urethane	1
	1025005	(000000-003076)	Squeegee Assy, Sba, Linatex	1
	1046980	(003077-	Blade, Sqge, Side Brush, Linatex	1
	1047238	(003077-	Blade, Sqge, Side Brush, Linatex	1
	84597	(000000-	Tire Assy, Solid, 18.0x6.0 4.5bc/5bolt	1
	16411	(000000-	Paint, Airdry, Off-White, 12oz	1
	16412	(000000-	Paint, Airdry, Teal, 12oz, Solid	1
	377540	(000000-	Paint, Airdry, Blk, 12oz	1
	377538	(000000-	Paint, Airdry, Gray, 12oz [Enamel]	1
	377537	(000000-	Paint, Airdry, Iron Gray,12oz[Pwdr Coat]	1

SECTION 2

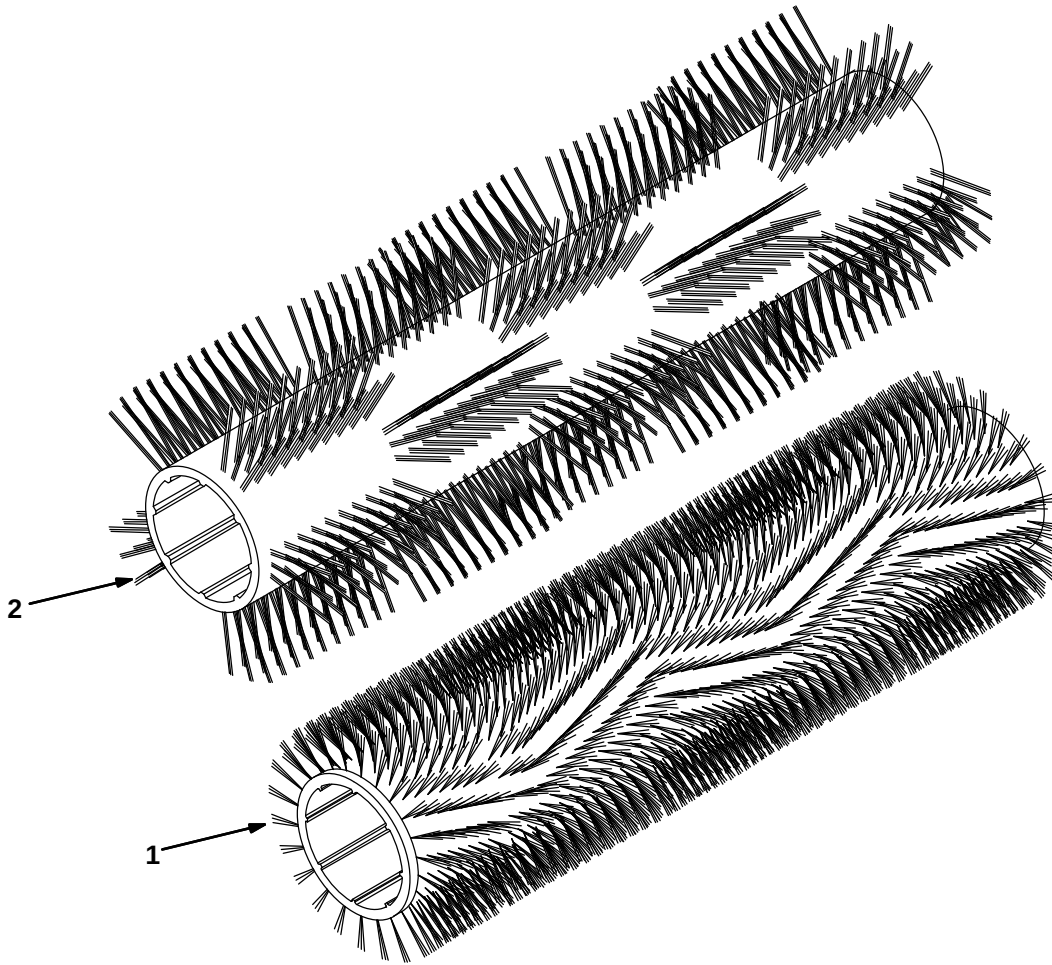
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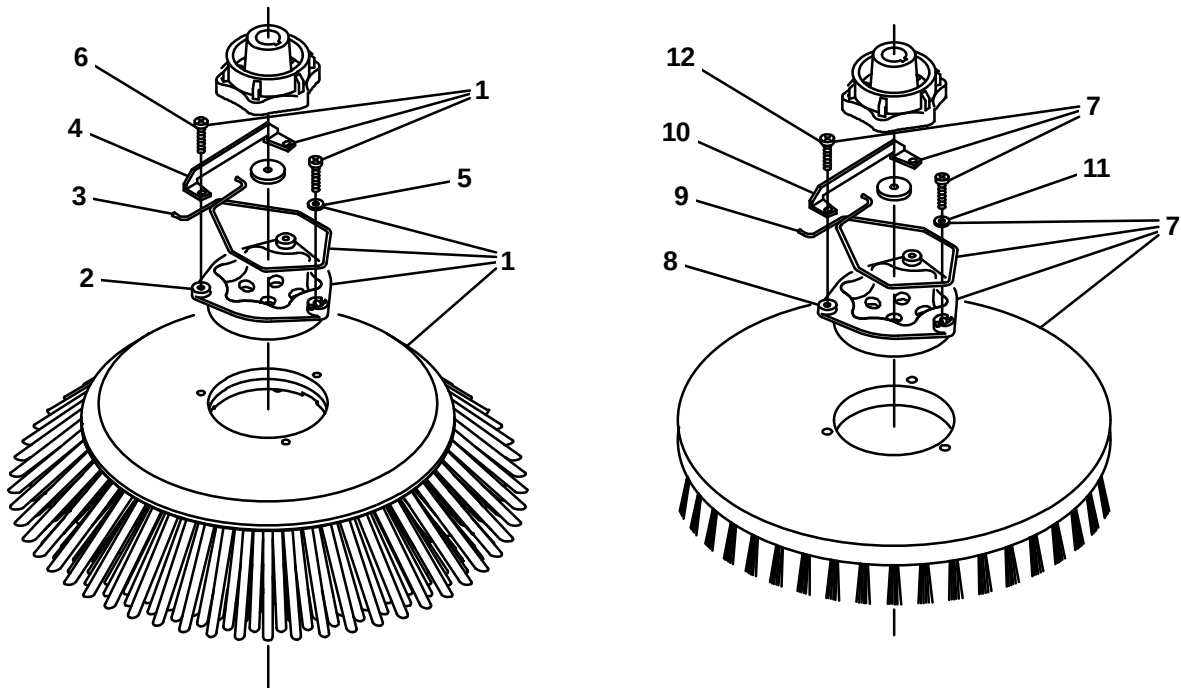
Fig. 1 – Brushes, Replacement, Scrub Head



354408

Ref.	Part No.	Serial Number	Description	Qty.
1	1026223	(000000–)	Brush, Swp / Scb, 40l, Polypropylene	2
1	1026222	(000000–)	Brush, Swp / Scb, 40l, Super Abrasive	2
1	1027697	(000000–)	Brush, Swp / Scb, 40l, Polyester	2
1	1030969	(000000–)	Brush, Swp / Scb, 40l, Heavy Duty Polypropylene	2
2	1040524	(000000–)	Brush, Swp / Scb, 40l, Wndw, Polypropylene	1
2	1059640	(000000–)	Brush, Swp / Scb, 40L, Wndw, Super Abrasive	1

Fig. 2 – Brushes, Replacement, Side Brush



354584

Ref.	Part No.	Serial Number	Description	Qty.
▽	1	1027688	(000000-) Brush Assy, Disk, Swp, 24.0d, Polypropylene	1
▲	2	15539	(000000-) Hub, Drive, Brush, Disk, 3hole 5.8bc[6t]	1
▲	3	14838	(000000-) Spring, Wir, 0.16d, Brush Retaining	1
▲	4	24299	(000000-) Bracket, Retainer, Spring	1
▲	5	01684	(000000-) Washer, Flat, 0.27b 0.69d .05, Ss	1
▲	6	32746	(000000-) Screw, Pan, Phl, M6 X 1.00 X 35, Ss	3
▽	7	1042499	(000000-) Brush Assy, Disk, Scg, 16.0 D, Soft Nylon	1
▲	8	1017368	(000000-) Hub, Drive, Brush, Disk, 3hole 5.8bc	1
▲	9	14838	(000000-) Spring, Wir, 0.16d, Brush Retaining	1
▲	10	24299	(000000-) Bracket, Retainer, Spring	1
▲	11	01684	(000000-) Washer, Flat, 0.27b 0.69d .05, Ss	1
▲	12	32746	(000000-) Screw, Pan, Phl, M6 X 1.00 X 35, Ss	3
▽	7	1042500	(000000-) Brush Assy, Disk, Scg, 16.0 D, Heavy Duty Polypropylene	1
▲	8	1017368	(000000-) Hub, Drive, Brush, Disk, 3hole 5.8bc	1
▲	9	14838	(000000-) Spring, Wir, 0.16d, Brush Retaining	1
▲	10	24299	(000000-) Bracket, Retainer, Spring	1
▲	11	01684	(000000-) Washer, Flat, 0.27b 0.69d .05, Ss	1
▲	12	32746	(000000-) Screw, Pan, Phl, M6 X 1.00 X 35, Ss	3
▽	7	1042504	(000000-) Brush Assy, Disk, Scg, 16.0 D, Super Abrasive	1
▲	8	1017368	(000000-) Hub, Drive, Brush, Disk, 3hole 5.8bc	1
▲	9	14838	(000000-) Spring, Wir, 0.16d, Brush Retaining	1
▲	10	24299	(000000-) Bracket, Retainer, Spring	1
▲	11	01684	(000000-) Washer, Flat, 0.27b 0.69d .05, Ss	1
▲	12	32746	(000000-) Screw, Pan, Phl, M6 X 1.00 X 35, Ss	3

Fig. 3 – Main Frame Group

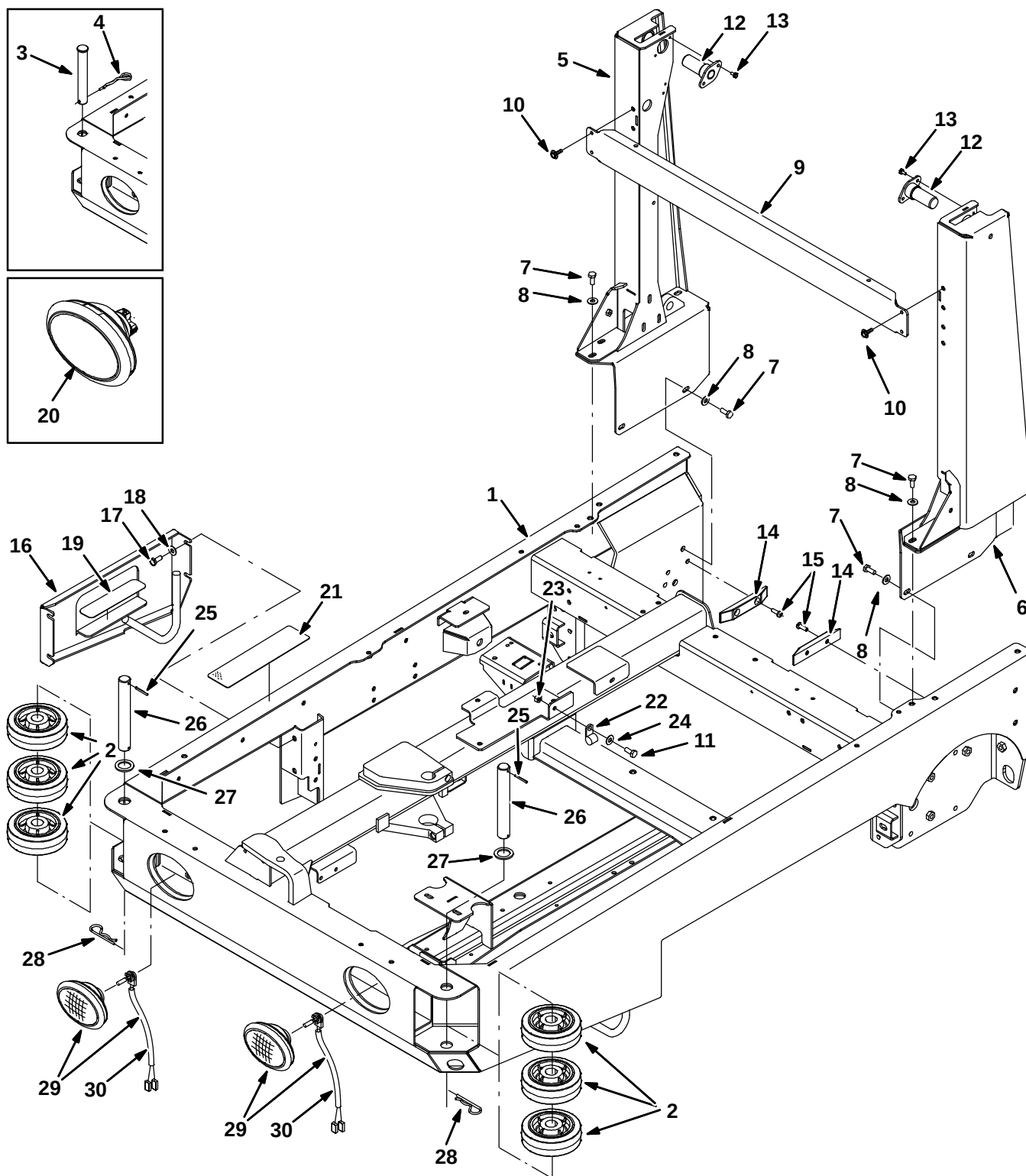


Fig. 3 – Main Frame Group

Ref.	Part No.	Serial Number	Description	Qty.	
1	9002401	(000000–)	Frame Wldt, Main, Replmt [m20 & T20]	1	
2	1060130	(000000–)	Wheel, 06.0D 2.00W 1.19B, Gray Rbr	6	
3	9006334	(000000–003062)	Pin Kit, Wheel, Ci [M20/T20/M30]	2	
4	761490	(000000–003062)	Pin, Cotter, Hair, Dbl	2	
5	9002400	(000000–)	Tower, Wldt, Lift, Rh, Replmt [M20]	1	
6	9002399	(000000–)	Tower, Wldt, Lift, Lh, Replmt [M20]	1	
7	39283	(000000–)	Screw, Hex, M10 X 1.5 X 25, 8.8	10	
8	32492	(000000–)	Washer, Flat, 0.38 Std	10	
9	1017791	(000000–)	Channel, Upper, Tower, Lift	1	
10	1037346	(000000–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	4	
11	39277	(001338–)	Screw, Hex, M8 X 1.25 X 25, 8.8	1	
12	1019251	(000000–)	Pin Wldt, Pivot, Hppr	2	
13	74455	(000000–)	Screw, Hex, M6 X 1.0 X 12, Fmg	4	
14	1021327	(000000–)	Block, Guide, Hppr	2	
15	367771	(000000–)	Screw, Pan, M8 X 1.25 X 25, Ss	4	
16	1027916	(000000–)	Panel Wldt, Filler	1	
17	12317	(000000–)	Screw, Hex, M10 X 1.5 X 30, Ss	4	
18	01686	(000000–)	Washer, Flat, 0.44b 1.00d .08, Ss	4	
19	363458	(000000–)	Tread, Non–Skid, 01.9w 08.0l	1	
▽	20	1019225	(000000–003382)	Headlight, 12vdc, 27watt, 2.1a, Oval (Rpl by 1060942)	2
▲		1031826	(000000–003382)	Lamp, 12vdc [Speaker]	1
▲		1031827	(000000–003382)	Receptacle, Lamp [Speaker]	1
	21	58819	(000000–)	Tread, Non–Skid, 03.0w 11.6l	1
	22	53466	(001338–)	Clamp, Cable, Stl, 1.50d X 1.00w, 1hole	1
	23	08709	(001338–)	Nut, Hex, Lock, M8 X 1.25, NI	1
	24	32491	(001338–)	Washer, Flat, 0.31, Std	1
	25	23146	(003063–)	Pin, Roll, .187d X 1.62l, .187/.192	2
	26	1053838	(003063–)	Pin, 30mmd X 215mml	2
	27	1062566	(003063–)	Washer, Flat, 1.26B 1.88D .13, Stl, Pl	2
	28	34411	(003063–)	Pin, Cotter, Hair, 1.00d .178 Wir	2
▽	29	1060942	(003383–)	Headlight, 12Vdc, Oval, Halogen	2
▲	30	9007513	(003383–)	Lamp, Halogen [Speaker]	1

Fig. 4 – Operator Station Group

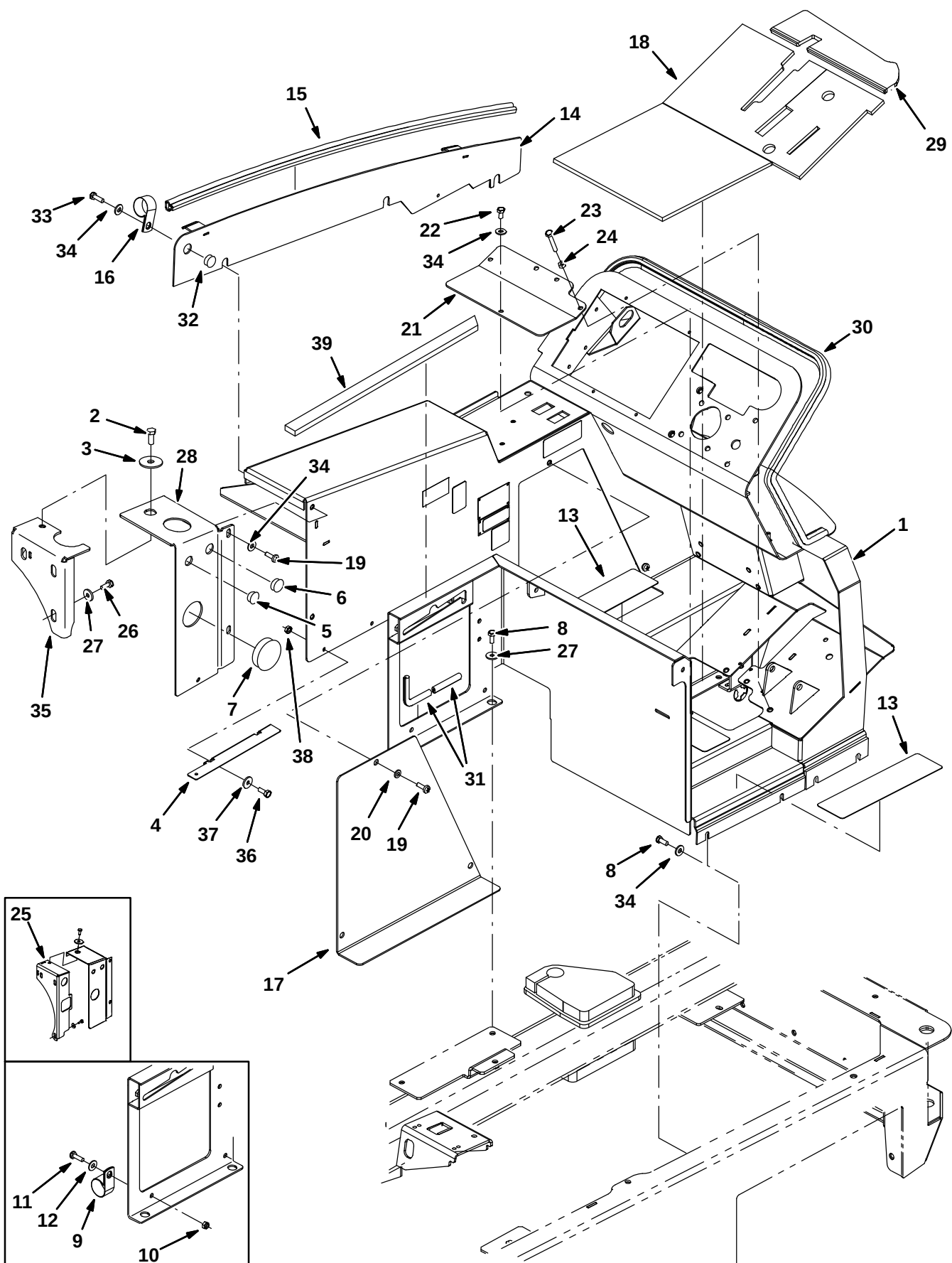


Fig. 4 – Operator Station Group

Ref.	Part No.	Serial Number	Description	Qty.
1	9002409	(000000–)	Panel Wldt, Gas, Replmt	1
1	9002380	(000000–)	Panel Wldt, Gas, Replmt [W/Fast]	1
1	9002381	(000000–)	Panel Wldt, Gas, W/ Es, Replmt	1
1	9003422	(000000–)	Panel Wldt, Gas, Replmt, TJ (Japan only)	1
1	9003425	(000000–)	Panel Wldt, Gas, Replmt, TJ [W/Fast] (Japan only)	1
1	9003428	(000000–)	Panel Wldt, Gas, Replmt, TJ, W/Es (Japan only)	1
1	9003431	(000000–)	Panel Wldt, LPG, Replmt	1
1	9003432	(000000–)	Panel Wldt, LPG, Replmt [W/Fast]	1
1	9003433	(000000–)	Panel Wldt, LPG, Replmt, W/Es	1
1	9003423	(000000–)	Panel Wldt, LPG, Replmt, TJ (Japan only)	1
1	9003426	(000000–)	Panel Wldt, LPG, Replmt, TJ [W/Fast] (Japan only)	1
1	9003429	(000000–)	Panel Wldt, LPG, Replmt, TJ, W/Es (Japan only)	1
2	39283	(000000–)	Screw, Hex, M10 X 1.5 X 25, 8.8	1
3	04414	(000000–)	Washer, Flat, 0.53b 1.88d .12, Stl, Pl	1
4	1047169	(000000–)	Bracket, Mtg, Insulation	2
5	82727	(000000–)	Plug, Hole, Rnd, 0.88h .03–.12, Blk Nyl	1
6	01493	(000000–)	Plug, Hole, Rnd, 1.00h .03–.12, Blk Nyl	1
7	1030017	(000000–)	Plug, Hole, Rnd, 2.50h .03–.25, Blk Nyl	1
8	16931	(000000–)	Screw, Hex, M8 X 1.25 X 20, 8.8	8
9	70157	(000000–001337)	Clamp, Cable, Ss, 2.50d X 1.00w, 1h	1
10	08709	(000000–001337)	Nut, Hex, Lock, M8 X 1.25, NI	2
11	39277	(000000–001337)	Screw, Hex, M8 X 1.25 X 25, 8.8	7
12	32491	(000000–001337)	Washer, Flat, 0.31, Std	18
13	58819	(000000–)	Tread, Non–Skid, 03.0w 11.6l	4
14	1025435	(000000–001999)	Panel Wldt, Adj	1
14	1035832	(002000–)	Panel Wldt, Adj [2007]	1
15	1030593	(000000–)	Seal, Afmkt, Bulb, 90, 0.75d F/11ga 08ft	1
16	53466	(000000–)	Clamp, Cable, Stl, 1.50d X 1.00w, 1h	5
17	1021834	(000000–)	Panel, Access, Door	1
18	1027218	(000000–)	Mat, Floor	1
19	1031665	(000000–)	Screw, Pan, M8 X 1.25 X 25, Blk	4
20	39349	(000000–)	Washer, Flat, 0.31 Sae	3
21	1022699	(000000–)	Panel, Access, Floor	1
22	16931	(000000–)	Screw, Hex, M8 X 1.25 X 20, 8.8	4
23	363976	(000000–)	Screw, Hex, M8 X 1.25 X 60, 8.8, FI	1
24	39311	(000000–)	Nut, Hex, Std, M8 X 1.25	1
25	1020540	(000000–002412)	Bracket Wldt, Mtg, Tank	1
26	09740	(000000–)	Screw, Hex, M8 X 1.25 X 20, Ss	3
27	1017218	(000000–)	Washer, Flat, 0.32b 1.00d .12, Ss	5
28	1033975	(000000–)	Bracket, Mtg	1
29	1027267	(000000–)	Mat, Floor	1
30	1020904	(000000–)	Seal, Panl, Instmt	1
31	1020168	(000000–)	Molding, Afmkt, Trim, Pvc, .08 .11, 1ft	1
32	80288	(002000–)	Plug, Hole, Rnd, 0.81h, Blk	1
33	39277	(000000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	6
34	32491	(000000–)	Washer, Flat, 0.31, Std	17
35	1035997	(002413–)	Bracket Wldt, Mtg, Tank	1
36	06942	(000000–)	Screw, Hex, M6 X 1.00 X 16, 8.8	2
37	32490	(000000–)	Washer, Flat, 0.25, Std	2
38	08708	(000000–)	Nut, Hex, Lock, M6 X 1.00, NI	2
39	1047295	(000000–)	Seal, Foam, 0.50	1

Fig. 5 – Operator Station Insulation Group

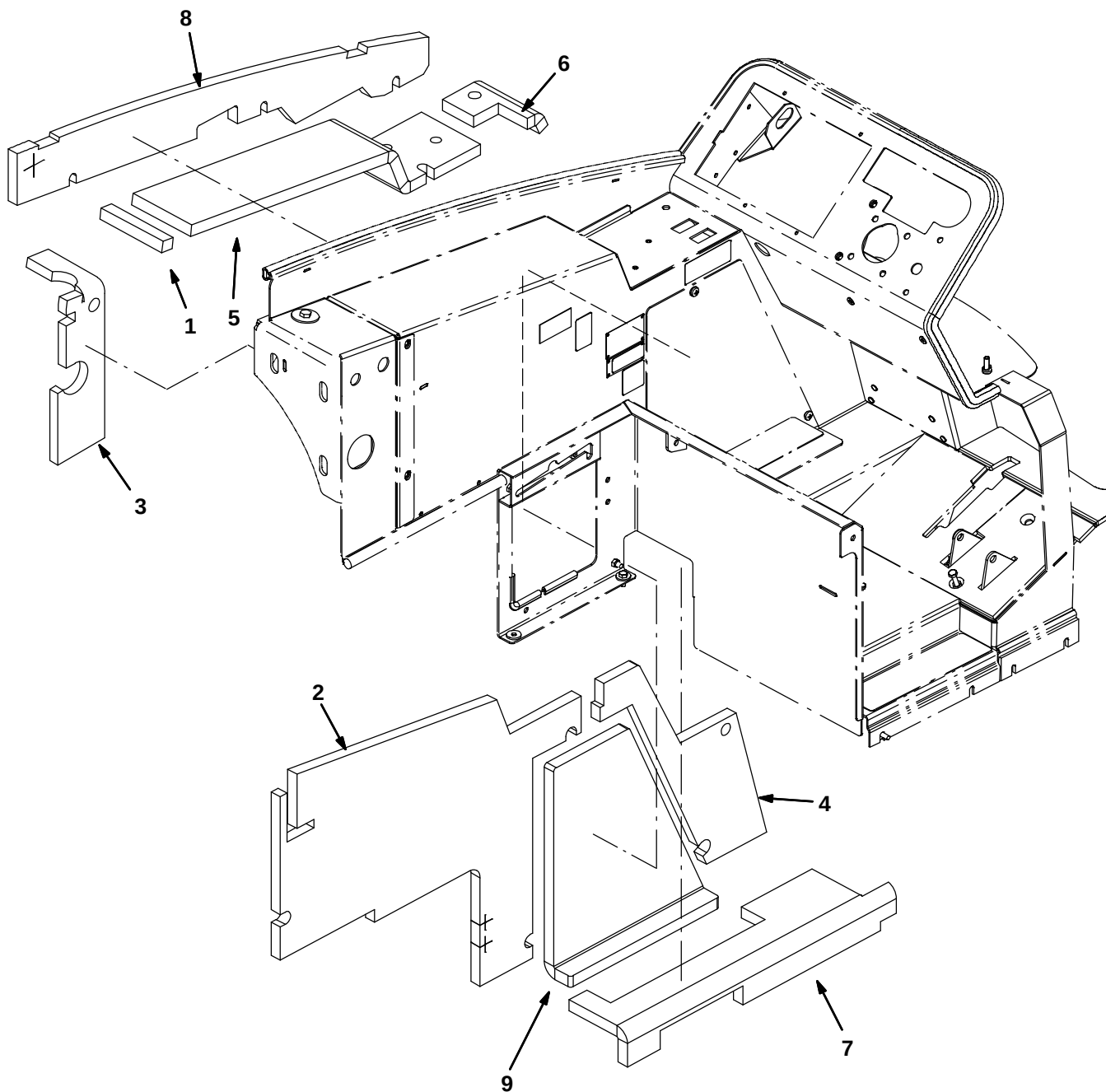


Fig. 5 – Operator Station Insulation Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1034769	(000000–	) Insulation, Flame-retardant, 0.75–0.88	1
2	1034765	(000000–	) Insulation, Flame-retardant, 0.75–0.88	1
3	1040841	(000000–	) Insulation, Flame-Retardant, 0.75–0.88	1
4	1023464	(000000–	) Insulation, Flame-Retardant, 0.75–0.88	1
5	1034764	(000000–	) Insulation, Flame-retardant, 0.75–0.88	1
6	1034766	(000000–	) Insulation, Flame-retardant, 0.75–0.88	1
7	1034768	(000000–	) Insulation, Flame-retardant, 0.75–0.88	1
8	1034770	(000000–	) Insulation, Flame-retardant, 0.75–0.88	1
9	1023569	(000000–	) Insulation, Flame-Retardant, 0.75–0.88	1

Fig. 6 – Instrument Panel Group

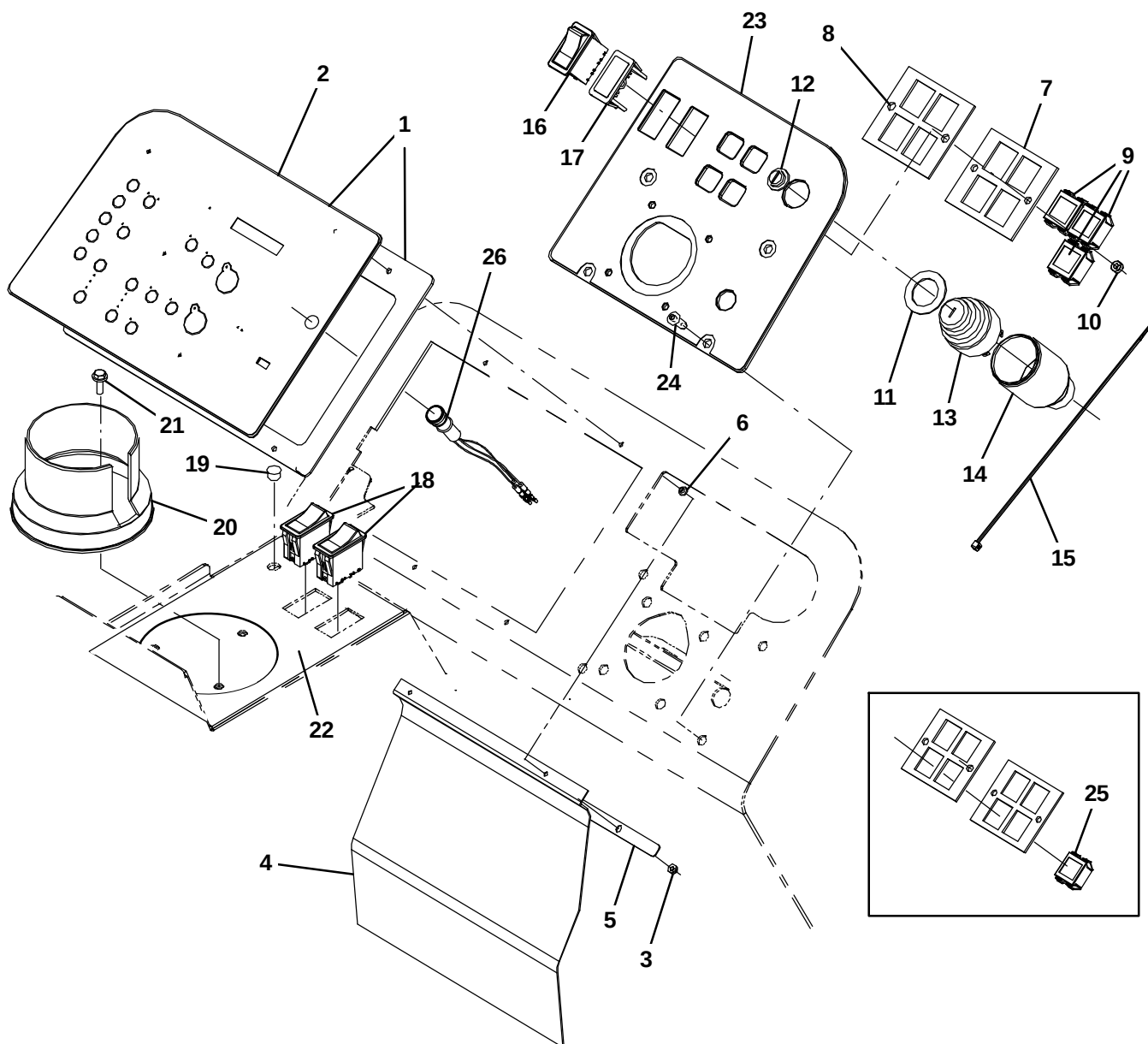


Fig. 6 – Instrument Panel Group

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	9003453	(000000–	) Panel Kit, Instmt, Repair [M20/M30]	1
▲	2	9002435	(000000–	) Label Kit, Panel, Replmt [M20]	1
▽	1	9007912	(000000–	) Panel, Kit, Instmt, Replmt [M20/M30 ec–H20 only]	1
▲	2	9007913	(000000–	) Label Kit, Panel, Replmt [M20/M30 ec–H20 only]	1
	3	16968	(000000–	) Nut, Hex, Lock, #08–32, NI	4
	4	1028769	(000000–	) Flap, Battery	1
	5	1028772	(000000–	) Bar, Flat, Ss, .06 X .50 X 10.0l 2/.19sl	1
	6	1029362	(000000–	) Washer, Shld, Nyl [8–32]	4
	7	361071	(000000–	) Plate, Mtg, Light	1
	8	361073	(000000–	) Seal, Rbr, Clsd, 0.13, Instmt Panl	1
	9	361075	(000000–	) Light, Panl, 14vdc, , 1.1 X 1.0	3
	10	08712	(000000–	) Nut, Hex, Lock, M6 X 1.0, Ss, NI	2
	11	73736	(000000–	) Washer, Flat, 1.15b 1.75d .08, Stl	1
	12	382516	(000000–	) Boot, .63id .29l .90w	1
▽	13	87536	(000000–	) Switch, Ignition [Ku]	1
▲		87866	(000000–	) Key, Ignition [Set Of 2]	1
	14	383165	(000000–	) Boot, Switch, Ignition	1
	15	49266	(000000–	) Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	2
	16	392171	(000000–	) Switch, Rocker, Dpdt On/Off/On	1
	17	398501	(000000–	) Plug, Hole, Rt, Rocker Switch, .87 X 1.7	1
	18	398508	(000000–	) Switch, Rocker, Dpdt Mom/Off/Mom	2
	19	56992	(000000–	) Plug, Hole, Rnd, 0.50h .03–.12, Blk Nyl	1
	20	223599	(000000–	) Cup Holder, Rwk	1
	21	1036892	(000000–	) Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	3
	22	1027284	(000000–	) Label, Switch, Rocker [T20]	1
	23	9004880	(000000–	) Panel, Instmt, Rh, Gas, Replmt	1
	23	9002391	(000000–	) Panel, Instmt, Rh, Lpg, Replmt	1
	23	9002392	(000000–	) Panel, Instmt, Rh, Lpg, Replmt, Ce (Japan and CE Only)	1
	24	1031665	(000000–	) Screw, Pan, M8 X 1.25 X 25, Blk	4
	25	361075	(000000–002886	) Light, Panl, 14vdc, , 1.1 X 1.0	1
	26	1041822	(000000–	) Light, Led, .312D, 2 Volt [Tri–Color] (ec–H20 only)	1

Fig. 7 – Seat Group

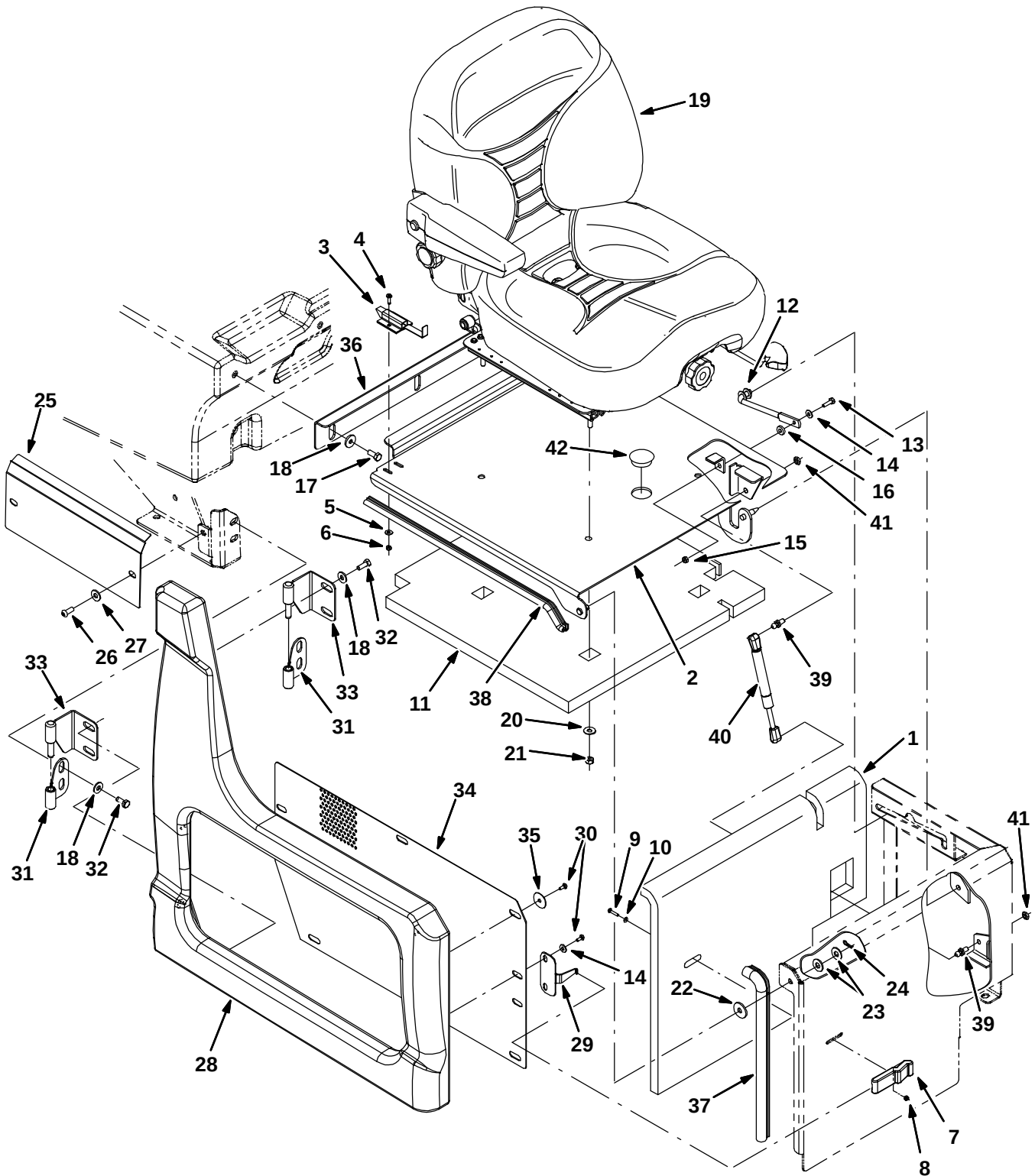


Fig. 7 – Seat Group

Ref.	Part No.	Serial Number	Description	Qty.	
1	1034767	(000000--	) Insulation, Flame-retardant, 0.75-0.88	1	
2	1019228	(000000--	) Plate Wldt, Seat	1	
3	1025736	(000000--	) Latch	1	
4	09252	(000000--	) Screw, Hex, M5 X 0.8 X 20, 8.8	2	
5	19066	(000000--	) Washer, Flat, #10	2	
6	06549	(000000--	) Nut, Hex, Lock, M5 X 0.8, NI	2	
7	49800	(000000--	) Latch	1	
8	02850	(000000--	) Nut, Hex, Lock, M4 X 0.7, NI	4	
9	06929	(000000--	) Screw, Pan, M4 X 0.7 X 25, 4.8	4	
10	19065	(000000--	) Washer, Flat, #08	2	
11	1023499	(000000--	) Insulation, Flame-Retardant, 1.0	1	
12	223080	(000000--	) Arm Wldt, Safety, Sppt, Seat, .38d 06.5d	1	
13	06943	(000000--	) Screw, Hex, M6 X 1.0 X 20, 8.8	1	
14	32483	(000000--	) Washer, Flat, 0.25 Sae	9	
15	08708	(000000--	) Nut, Hex, Lock, M6 X 1.0, NI	1	
16	21851	(000000--	) Spacer, Plstc, Ny	1	
17	09740	(000000--	) Screw, Hex, M8 X 1.25 X 20, Ss	3	
18	1017218	(000000--	) Washer, Flat, 0.32b 1.00d .12, Ss	11	
▽ ▲	19	1022105	(000000--	) Seat, Suspension, W/1 Arm And Belt	1
		1066893	(000000--	) Seatbelt, Retractable [Deluxe Seat]	1
20	32491	(000000--	) Washer, Flat, 0.31, Std	4	
21	32983	(000000--	) Nut, Hex, Lock, .31-18, NI	4	
22	364749	(000000--	) Washer, Flat, 0.41b 1.25d .12, Pye	1	
23	32492	(000000--	) Washer, Flat, 0.38 Std	2	
24	08085	(000000--	) Pin, Cotter, Hair, 0.31d .058 Wir	1	
25	1022005	(000000--	) Cover, Lower	1	
26	1031665	(000000--	) Screw, Pan, M8 X 1.25 X 25, Blk	2	
27	39349	(000000--	) Washer, Flat, 0.31 Sae	2	
28	1018776	(000000--	) Shroud, Seat	1	
29	1026825	(000000--	) Bracket, Latch, Shrd, Seat	1	
30	09200	(000000--	) Screw, Pan, M5 X 0.8 X 12, Ss	8	
31	1024464	(000000--	) Hinge Wldt, Shrd, Rh	2	
32	16931	(000000--	) Screw, Hex, M8 X 1.25 X 20, 8.8	8	
33	1024425	(000000--	) Hinge Wldt, Shrd, Rh	2	
34	1025916	(000000--	) Grill, Side	1	
35	41178	(000000--	) Washer, Flat, 0.25 Fendr	6	
36	1020487	(000000--	) Bracket, Seat, Adj	1	
37	1030588	(000000--	) Seal, Afmkt, Bulb, 90, 0.75d F/11ga 02ft	1	
38	1031206	(000000--	) Seal, Afmkt, Bulb, 90, 0.50d, 02ft	1	
39	58494	(001299--	) Stud, Ball, .39d .31-16, Gasspring	2	
40	368391	(001299--	) Gasspring, 180lb, 03.0strk	1	
41	01760	(001299--	) Nut, Hex, Lock, .31-18, NI, Thin	2	
42	76888	(002886--	) Plug, Hole, Rnd, 1.25H .03-.12, Blk Nyl	1	

Fig. 8 – Steering Group

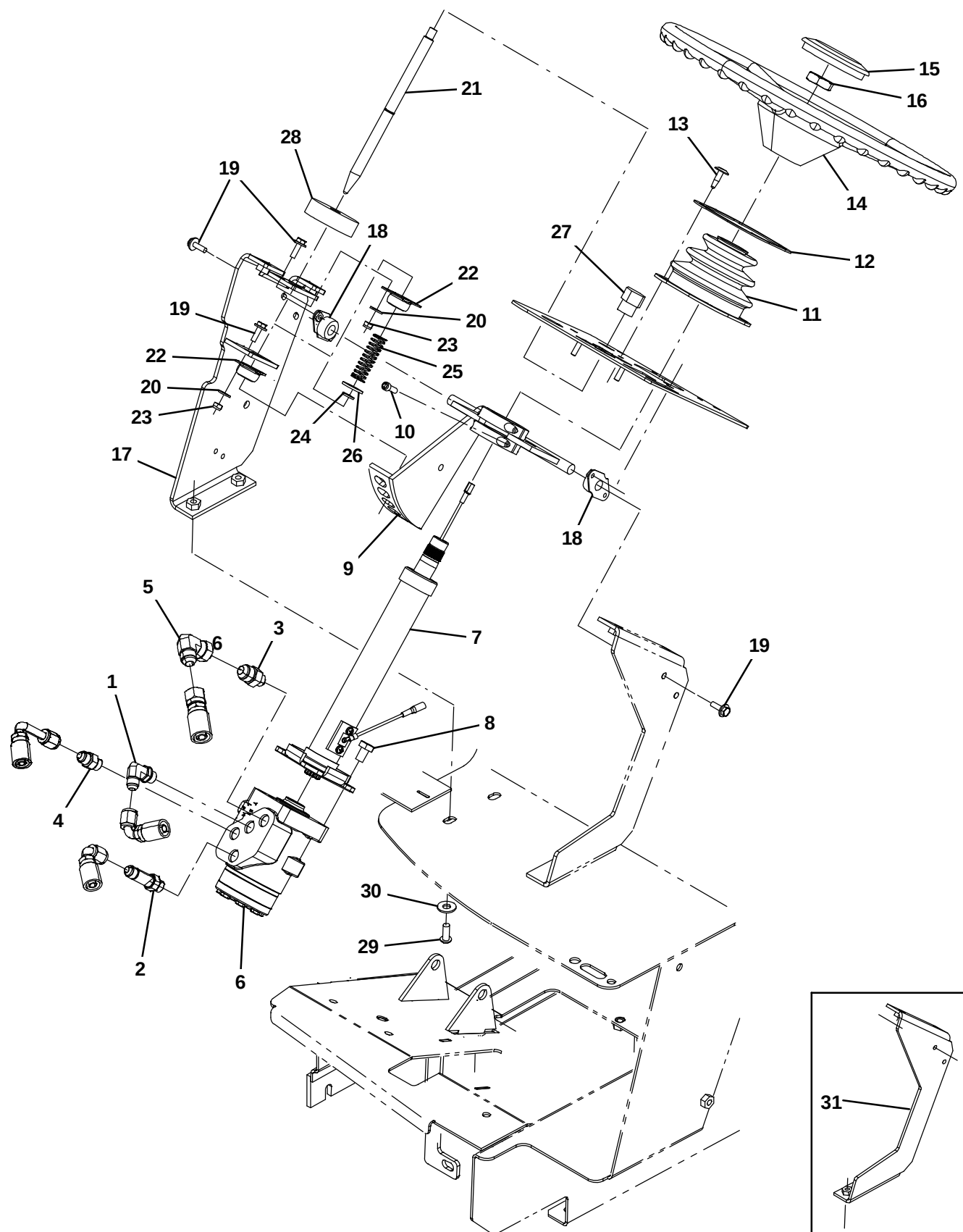


Fig. 8 – Steering Group

Ref.	Part No.	Serial Number	Description	Qty.
1	56820	(000000–	) Fitting, Hyd, E90, Jm06/Om06	1
2	59577	(000000–	) Fitting, Hyd, Str, Jm06/Om06, L	1
3	56835	(000000–	) Fitting, Hyd, Str, Jm08/Om06	1
4	56690	(000000–	) Fitting, Hyd, Str, Jm06/Om06	1
5	17980	(000000–	) Fitting, Hyd, E90, Jf08/Jm08	1
6	1024260	(000000–	) Steer–Control, Hyd#05, 06.1 2030 (See Breakdowns)	1
7	1021265	(000000–	) Column, Steering, 09.9L 0.86D 36Tooth	1
8	06960	(000000–	) Screw, Hex, M10 X 1.5 X 16, 8.8	4
▽ 9	73027	(000000–	) Bracket Wldt, Steering, Tilt	1
▲ 10	01681	(000000–	) Screw, Soc, .25–20 X 0.75, Al	4
11	70622	(000000–	) Boot, Bellows, 3.1l 4.4w 2.8h 1hole, Neo	1
12	70623	(000000–	) Retainer, Boot, Steering Column	1
13	72970	(000000–	) Rivet, Plstc, .250d X 0.898	4
14	768481	(000000–	) Wheel, Steering, 14.3d 0.81b 36tooth	1
15	1024478	(000000–	) Button, Cntrl, Horn	1
16	56185	(000000–	) Nut, Hex, Jam, M20 X 1.5	1
17	1024695	(000000–	) Bracket Wldt, Tilt, Rh	1
18	70709	(000000–	) Bearing, Flng, 2–Hole, 0.50b	2
19	1040467	(000000–	) Screw, Hex, M6 X 1.00 X 20, 9.8, Sems	8
20	32483	(000000–	) Washer, Flat, 0.25 Sae	4
21	1023926	(000000–	) Pin, Locking, Steering, Tilt	1
22	47585	(000000–	) Bearing, Flng, 2hole, 0.50b [Nyl]	2
23	08708	(000000–	) Nut, Hex, Lock, M6 X 1.0, NI	4
24	70717	(000000–	) Ring, Retaining, Ext, 0.50d, Hd	1
25	22290	(000000–	) Spring, Cmpr, 18.8d, 1.6w, 57.1l	1
26	32486	(000000–	) Washer, Flat, 0.50 Sae	1
27	04706	(000000–	) Knob, Tee, 2.5x1.0 1.1l 0.38–16 Plstc	1
28	75968	(000000–	) Insulation, Acstc, Rnd, 0.8, 02.5d 0.5h	1
29	1031665	(000000–	) Screw, Pan, M8 X 1.25 X 25, Blk	2
30	32491	(000000–	) Washer, Flat, 0.31, Std	2
31	1024157	(000000–001052)	Bracket, Tilt, Lh	1

Fig. 9 – Front Cover Group

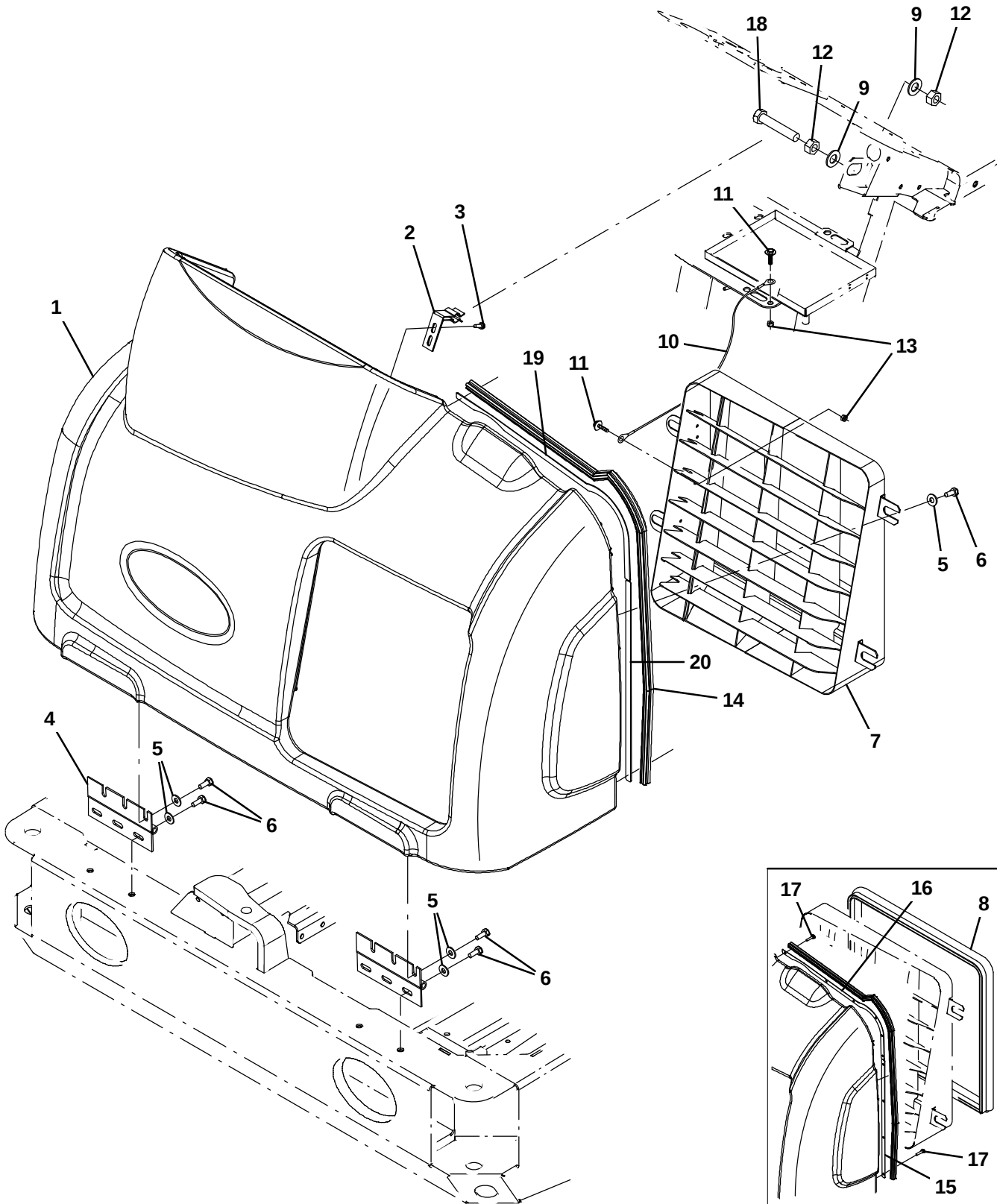


Fig. 9 – Front Cover Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1022069	(000000–	) Shroud, Front, Trimmed	1
2	1008916	(000000–	) Bracket Wldt, Latch	1
3	06942	(000000–	) Screw, Hex, M6 X 1.0 X 16, 8.8	2
4	71941	(000000–	) Hinge, .38pin .11 3.5w 06.0l 6/0.38sl	2
5	32491	(000000–	) Washer, Flat, 0.31, Std	14
6	16931	(000000–	) Screw, Hex, M8 X 1.25 X 20, 8.8	14
7	1035068	(000000–003038	) Grill Wldt, Front	1
7	1046090	(003039–	) Grill Wldt, Front	1
8	1031557	(000000–001277	) Seal, Afmkt, Bulb, Str, 1.0d F/11ga 08ft	1
9	15331	(000000–	) Washer, Flat, 0.62 Sae	2
10	391368	(000000–	) Cable, Glv .09d 016.5l .38eye /.38eye	1
11	1040467	(000000–	) Screw, Hex, M6 X 1.00 X 20, 9.8, Sems	2
12	07782	(000000–	) Nut, Hex, Std, M16 X 2.0	2
13	08708	(000000–	) Nut, Hex, Lock, M6 X 1.0, NI	2
14	1049919	(000000–	) Seal, Sponge, 0.88 1.00W 43.0L	1
15	1029652	(000000–002064	) Plate, Mtg, Seal	1
16	1029545	(000000–002064	) Plate, Mtg, Seal	1
17	20394	(000000–002064	) Screw, Hex, #10–16 X 0.62, Fmg, [Ab]	10
18	06988	(000000–	) Screw, Hex, M16 X 2.0 X 90, 8.8	1
19	1037970	(002065–	) Strip Mtg, Seal	1
20	1037971	(002065–	) Strip Mtg, Seal	1

Fig. 10 – Engine Cover Group

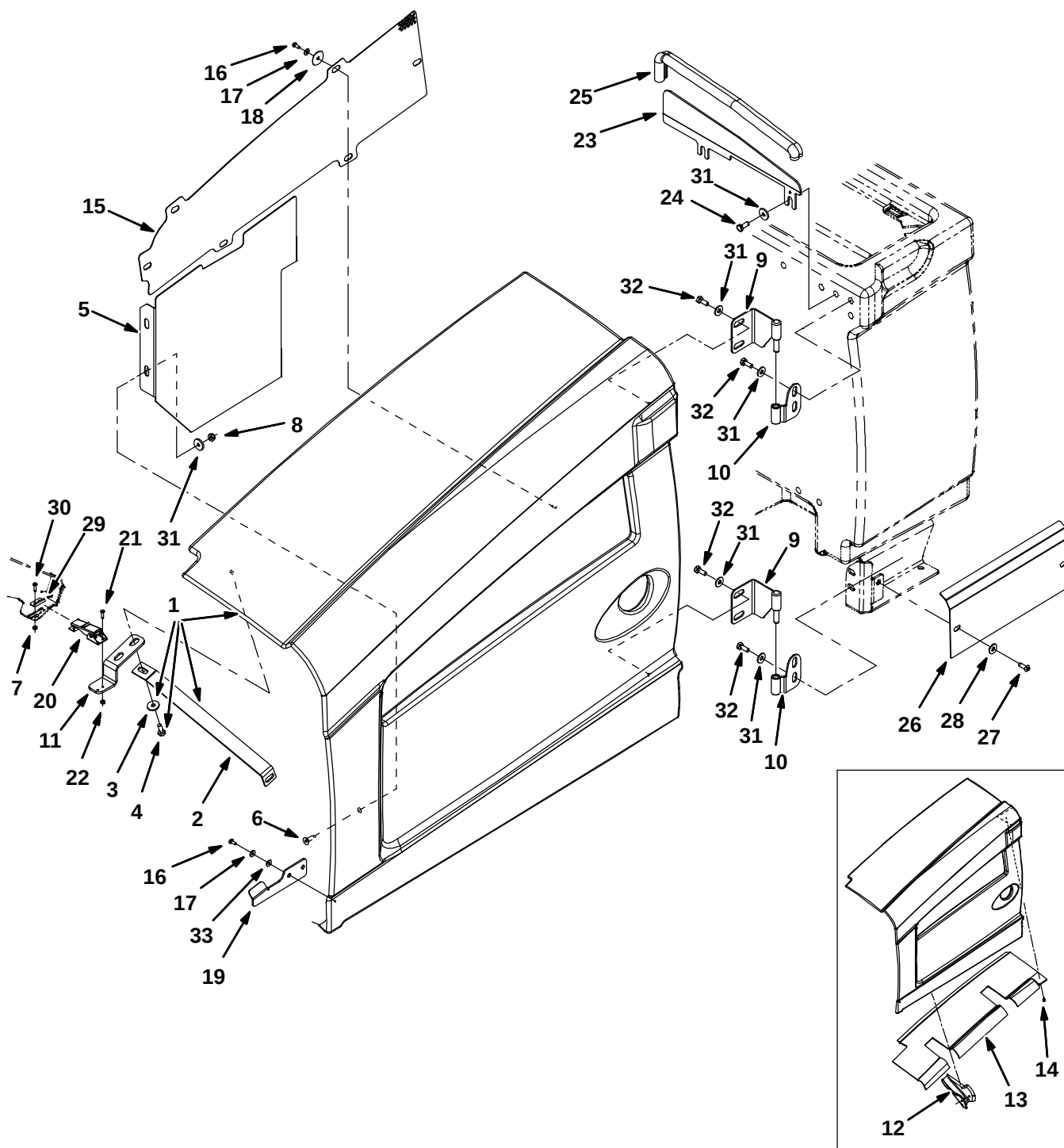


Fig. 10 – Engine Cover Group

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	1033156	(000000–	) Shroud Assy, Eng	1
▲	2	1026628	(000000–	) Angle, Brace, Shrd	1
▲	3	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	2
▲	4	16931	(000000–	) Screw, Hex, M8 X 1.25 X 20, 8.8	2
	5	1022004	(000000–	) Bracket, Shield, Heat	1
	6	74077	(000000–	) Screw, Flt, M8 X 1.25 X 25	4
	7	33932	(000000–	) Nut, Hex, Lock, M4 X 0.7, NI, Ss	2
	8	08709	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI	4
	9	1024500	(000000–	) Hinge Wldt, Shrd, Lh	2
	10	1025196	(000000–	) Hinge Wldt, Shrd, Lh	2
	11	1020186	(000000–	) Bracket, Latch, Cover	1
	12	1028516	(000000–001327	) Insulation, Shrd, Eng, Gusset	1
	13	1026665	(000000–001327	) Insulation, Flame-Retardant, 0.5	1
	14	21168	(000000–001327	) Clip, .250h, Plstc [Pine-Tree]	14
	15	1026726	(000000–	) Grill, Eng	1
	16	09200	(000000–	) Screw, Pan, M5 X 0.8 X 12, Ss	8
	17	19066	(000000–	) Washer, Flat, #10	8
	18	41178	(000000–	) Washer, Flat, 0.25 Fendr	6
	19	1028412	(000000–	) Bracket, Guide, Shrd	1
	20	384418	(000000–	) Latch, Door [Southco 91–562–07]	1
	21	06927	(000000–	) Screw, Pan, M4 X 0.7 X 16, 4.8	2
	22	02850	(000000–	) Nut, Hex, Lock, M4 X 0.7, NI	2
	23	1025806	(000000–	) Plate, Seal, Sound	1
	24	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	2
	25	1030588	(000000–	) Seal, Afrmkt, Bulb, 90, 0.75d F/11ga 02ft	2
	26	1022005	(000000–	) Cover, Lower	1
	27	1031665	(000000–	) Screw, Pan, M8 X 1.25 X 25, Blk	2
	28	39349	(000000–	) Washer, Flat, 0.31 Sae	2
	29	384419	(000000–	) Bracket, Latch, Keeper [Southco]	1
	30	24265	(000000–	) Screw, Pan, M4 X 0.7 X 16, Ss	2
	31	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	15
	32	16931	(000000–	) Screw, Hex, M8 X 1.25 X 20, 8.8	7
	33	41139	(000000–	) Washer, Lock, Int–Ext, 10	2

Fig. 11 – Engine and Mount Group

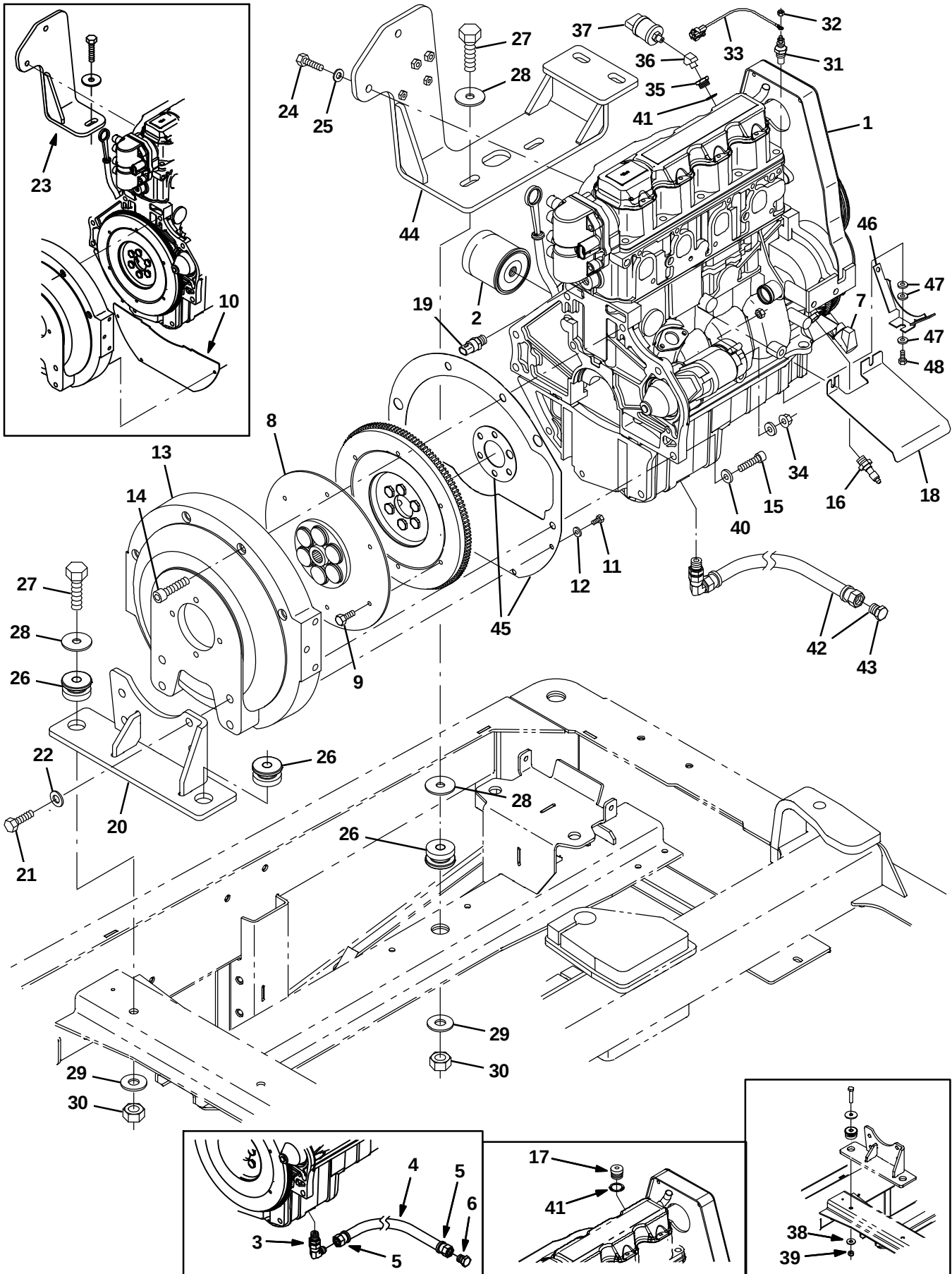


Fig. 11 – Engine and Mount Group

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	372862	(000000–)	Engine [Long Block Gm 1.6l] (See Engine Breakdown)	1
▲	2	371972	(000000–)	Element, Fltr, Oil, Eng, Spin-On	1
	3	372541	(000000–001999)	Fitting, E90, M14 X .56	1
	4	371855	(000000–001999)	Hose, Hyd, 26.0l	1
	5	371876	(000000–001999)	Fitting, End, Hose	2
	6	371890	(000000–001999)	Fitting, Pipe, Plug	1
	7	372002	(000000–)	Sensor, Position, Cshft	1
	8	371866	(000000–)	Coupling, Drive, 13t	1
	9	372554	(000000–)	Screw, Hex, M07–1.00 X 23.0, 8.8	6
	10	371868	(000000–003122)	Cover, Hsng, Flywheel (Replaced By 9006895)	1
	11	19315	(000000–)	Screw, Hex, .25–20 X 0.50, 5	4
	12	32490	(000000–)	Washer, Flat, 0.25 Std	4
	13	371869	(000000–)	Housing, Pump	1
	14	371870	(000000–)	Screw, Soc, M12 X 1.75 X 55, 10.9	4
	15	10832	(000000–)	Screw, Soc, .38–16 X 1.50, Al	2
	16	371996	(000000–003122)	Switch, Indicator, Oil Press	1
	16	9008197	(003123–)	Switch, Indicator, Oil Press [2010]	1
	17	371860	(000000–001999)	Fitting, Pipe, Plug, Metric, M18,Soc	1
	18	372556	(000000–)	Shield, Starter [1.6l]	1
	19	372953	(000000–)	Sensor, Temp, Coolant	1
	20	1023288	(000000–)	Bracket Wldt, Mtg, Eng, Back, Gas/Lpg	1
	21	39810	(000000–)	Screw, Hex, .50–13 X 1.25, 5	4
	22	32486	(000000–)	Washer, Flat, 0.50 Sae	4
	23	1011353	(000000–003038)	Mount Wldt, Eng, Gas/Lpg	1
	24	39283	(000000–)	Screw, Hex, M10 X 1.5 X 25, 8.8	2
	25	32485	(000000–)	Washer, Flat, 0.38 Sae	2
	26	51176	(000000–)	Isolator, Vib, .50d	3
	27	06972	(000000–)	Screw, Hex, M12 X 1.75 X 60, 8.8	3
	28	04414	(000000–)	Washer, Flat, 0.53b 1.88d .12, Stl, Pl	4
	29	32493	(000000–)	Washer, Flat, 0.50 Std	3
	30	08711	(000000–)	Nut, Hex, Lock, M12 X 1.75,Nl	3
	31	1042028	(000000–)	Sensor, Temp, Water [Rework For 1.6GM]	1
	32	50335	(000000–)	Nut, Hex, Std, M5 X 0.8, 8	1
	33	1030073	(000000–)	Wire, 16ga 09.6l Brown Mp280/ #10ring	1
	34	41361	(000000–)	Nut, Hex, Std, M8 X 1.25, Brs	1
	35	1031439	(002000–)	Fitting, Pipe, Bshg, M18 X 1.5	1
	36	24976	(002000–)	Fitting, Brs, E45, Pf02/Pm02	1
	37	1055106	(002000–)	Switch, Press, 0006psi Dpdt	1
	38	32493	(000000–001337)	Washer, Flat, 0.50, Std	2
	39	08711	(000000–001337)	Nut, Hex, Lock, M12 X 1.75,Nl	2
	40	371877	(000000–)	Washer, Flat, 0.38, Hardened	2
	41	385029	(000000–)	Gasket, Plug, Relief Valve,Oil Press	1
▽	42	9006634	(002000–)	Hose, Drain, Eng Oil	1
▲	43	9006635	(002000–)	Fitting, Plug	1
	44	1046022	(003039–)	Bracket Wldt, Mtg, Eng	1
	45	9006895	(003123–)	Plate Kit, Repair	1
	46	1056566	(003086–)	Plate, Guard, Belt [Gm 1.6l]	1
	47	32490	(003086–)	Washer, Flat, 0.25, Std	3
	48	06943	(003086–)	Screw, Hex, M6 X 1.00 X 20, 8.8	1

Fig. 12 – Engine EFI Group, Gasoline (000000–001999)

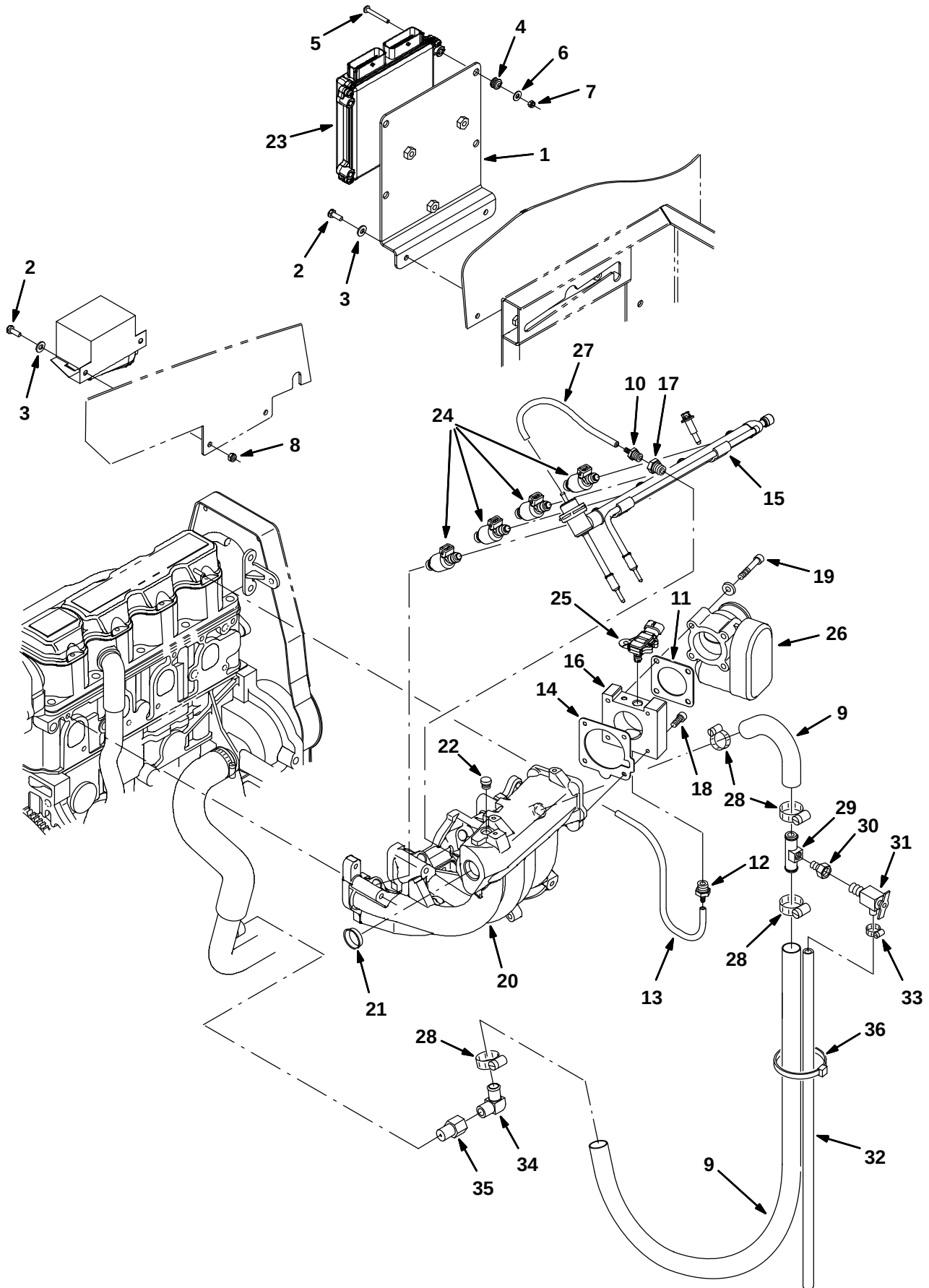


Fig. 12 – Engine EFI Group, Gasoline (000000–001999)

Ref.	Part No.	Serial Number	Description	Qty.
1	1018939	(000000–001999)	Bracket, Mtg [Ecu]	1
2	06942	(000000–001999)	Screw, Hex, M6 X 1.0 X 16, 8.8	4
3	32483	(000000–001999)	Washer, Flat, 0.25 Sae	4
4	46314	(000000–001999)	Grommet, Rbr, 0.20id, F/0.4h, .12 Matl	4
5	06938	(000000–001999)	Screw, Pan, M5 X 0.8 X 40, 4.8	4
6	01683	(000000–001999)	Washer, Flat, #10, Ss	8
7	06549	(000000–001999)	Nut, Hex, Lock, M5 X 0.8, NI	4
8	08708	(000000–001999)	Nut, Hex, Lock, M6 X 1.0, NI	2
9	1022364	(000000–001999)	Hose, Heater	1
10	372542	(000000–001999)	Fitting, Str, .19brb X .12mpt	1
11	372545	(000000–001999)	Qd36Gasket, Body, Throttle [1.6l]	1
12	372543	(000000–001999)	Fitting, Vacuum [M16–15–6h]	1
13	372489	(000000–001999)	Hose, 9.5mm X 450mm [Pcv]	1
14	372544	(000000–001999)	Gasket, Manifold, Intake	1
15	372566	(000000–001999)	Rail, Injector, Gas, W/ Press Reg	1
16	372534	(000000–001999)	Adapter, Intake, Throttle Body	1
17	372537	(000000–001999)	Bushing, M06–1.50 X .25–27npt	1
18	06532	(000000–001999)	Screw, Soc, M6 X 1.0 X 25, 12.9	4
19	07255	(000000–001999)	Screw, Soc, M6 X 1.0 X 45, 12.9	4
20	372547	(000000–001999)	Manifold, Intake [1.6l]	1
21	372549	(000000–001999)	Plug, Manifold, Intake	1
22	372550	(000000–001999)	Plug, Port, Sensor [Map]	1
23	372858	(000000–001999)	Module, Ecu, Gas [Gm 1.6l]	1
24	372563	(000000–001999)	Injector Kit, Fuel, Gas	4
25	372493	(000000–001999)	Sensor [Tmap]	1
26	372486	(000000–001999)	Injector Kit, Fuel, Gas	1
27	372546	(000000–001999)	Hose, Fuel, .19	1
28	63810	(000000–001999)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	4
29	83578	(000000–001999)	Tube, Air Bleed, .62d 2.2l .12npt Alm	1
30	1015930	(000000–001999)	Fitting, Brs, Str, Pf04/Pm02	1
31	51305	(000000–001999)	Fitting, Draincock, E90, .25npt	1
32	73471	(000000–001999)	Hose, Pvc, Clr, 0.38id 0.56od 22.00l	1
33	43844	(000000–001999)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	1
34	51839	(000000–001999)	Fitting, Brs, E90, Em10/Pm06	1
35	1015547	(000000–001999)	Fitting, Adapter, Orifice, Pf06/Pm06	1
36	49266	(000000–001999)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	1

Fig. 13 – Engine EFI Group, Gasoline (002000–003122)

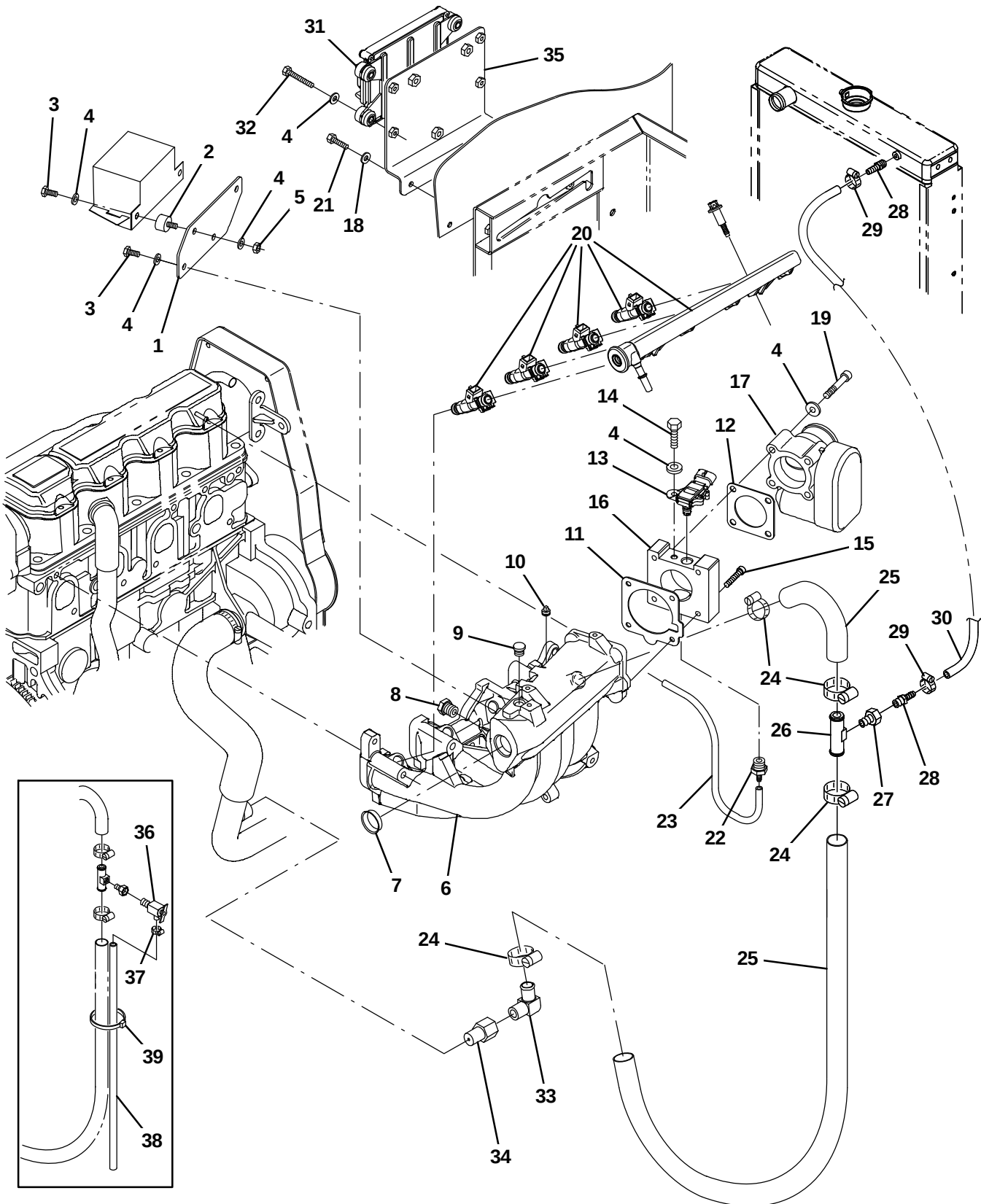


Fig. 13 – Engine EFI Group, Gasoline (002000–003122)

Ref.	Part No.	Serial Number	Description	Qty.	
1	1031312	(002000–003122)	Plate, Mtg, Relay	1	
2	372470	(002000–003122)	Isolator, Box, Relay	2	
3	19315	(002000–003122)	Screw, Hex, .25–20 X 0.50, G5	4	
4	32490	(002000–003122)	Washer, Flat, 0.25, Std	13	
5	19312	(002000–003122)	Nut, Hex, Std, .25–20	2	
6	372547	(002000–003122)	Manifold, Intake [1.6l]	1	
7	372549	(002000–003122)	Plug, Manifold, Intake	1	
8	384995	(002000–003122)	Fitting, Plug, M16, Intake Manifold	1	
9	372550	(002000–003122)	Plug, Port, Sensor [Map]	1	
10	372548	(002000–003122)	Plug, .12npt, Ss	1	
▽	9003390	(002000–003122)	Gasket Kit, Repair, Gas [Gm1.6l 2007]	1	
▲	11	372544	(002000–003122)	Gasket, Manifold, Intake	1
▲	12	372545	(002000–003122)	Gasket, Body, Throttle [1.6l]	1
	13	384985	(002000–003122)	Sensor [T Map]	1
	14	19317	(002000–003122)	Screw, Hex, .25–20 X 0.75, G5	1
	15	06532	(002000–003122)	Screw, Soc, M6 X 1.00 X 25, 12.9	4
	16	372534	(002000–003122)	Adapter, Intake, Throttle Body	1
	17	384974	(002000–003122)	Housing, Throttle, 40mm [Bosch]	1
	18	32483	(002000–003122)	Washer, Flat, 0.25, Sae	2
	19	07255	(002000–003122)	Screw, Soc, M6 X 1.00 X 45, 12.9	4
	20	384992	(002000–003122)	Rail, Injector, Fuel, Plstc	1
	21	06942	(002000–003122)	Screw, Hex, M6 X 1.00 X 16, 8.8	2
	22	372543	(002000–003122)	Fitting, Vacuum [M16–15–6h]	1
	23	384972	(002000–003122)	Hose, Vacuum, 0.22id X 15.0l	1
	24	63810	(002000–003122)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	4
	25	1022364	(002000–003122)	Hose, Heater	1
	26	83578	(002000–003122)	Tube, Bleed, Air, .62od 2.2l .12npt, Alm	1
	27	1015930	(002000–003122)	Fitting, Brs, Str, Pf04/Pm02	2
	28	150516	(002493–003122)	Fitting, Brs, Str, Bm06/Pm05	2
	29	54333	(002493–003122)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
	30	1043481	(002493–003122)	Hose, Heater, 0.38ID	1
	31	1028711	(002000–003122)	Module, Ecu, Gas [Gm1.6l 2700]	1
	32	06946	(002000–003122)	Screw, Hex, M6 X 1.00 X 35, 8.8	4
	33	51839	(002000–003122)	Fitting, Brs, E90, Em10/Pm06	1
	34	1015547	(002000–003122)	Fitting, Adapter, Orifice, Pf06/Pm06	1
	35	1029082	(002000–003122)	Bracket, Mtg, Ecu [M20/T20 2007]	1
	36	51305	(002000–002492)	Fitting, Draincock, E90, .25npt	1
	37	43844	(002000–002492)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	1
	38	73471	(002000–002492)	Hose, Pvc, Clr, 0.38id 0.56od 022.0l	1
	39	49266	(002000–002492)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	1

Fig. 14 – Engine EFI Group, Gasoline (003123–)

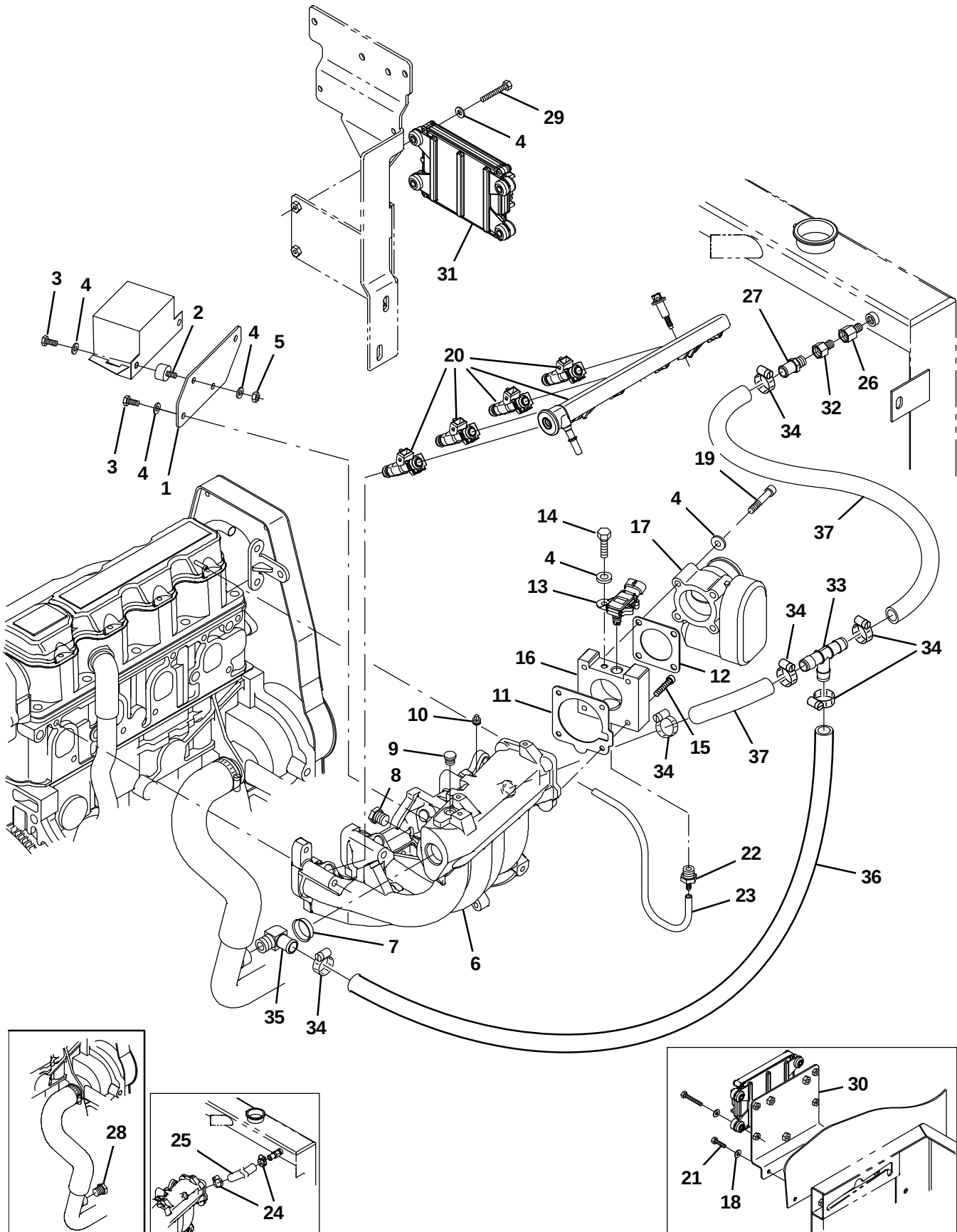


Fig. 14 – Engine EFI Group, Gasoline (003123–)

Ref.	Part No.	Serial Number	Description	Qty.	
1	1031312	(003123–)	Plate, Mtg, Relay	1	
2	372470	(003123–)	Isolator, Box, Relay	2	
3	19315	(003123–)	Screw, Hex, .25–20 X 0.50, G5	4	
4	32490	(003123–)	Washer, Flat, 0.25, Std	13	
5	19312	(003123–)	Nut, Hex, Std, .25–20	2	
6	372547	(003123–)	Manifold, Intake [1.6l]	1	
7	372549	(003123–)	Plug, Manifold, Intake	1	
8	384995	(003123–)	Fitting, Plug, M16, Intake Manifold	1	
9	372550	(003123–)	Plug, Port, Sensor [Map]	1	
10	372548	(003123–)	Plug, .12npt, Ss	1	
▽	9003390	(003123–)	Gasket Kit, Repair, Gas [Gm1.6l 2007]	1	
▲	11	372544	(003123–)	Gasket, Manifold, Intake	1
▲	12	372545	(003123–)	Gasket, Body, Throttle [1.6l]	1
	13	384985	(003123–)	Sensor [T Map]	1
	14	19317	(003123–)	Screw, Hex, .25–20 X 0.75, G5	1
	15	06532	(003123–)	Screw, Soc, M6 X 1.00 X 25, 12.9	4
	16	9006619	(003123–)	Adapter [E100 Mixer Gm 1.6l 2010]	1
	17	384974	(003123–)	Housing, Throttle, 40mm [Bosch]	1
	18	32483	(003123–003170)	Washer, Flat, 0.25, Sae	2
	19	07255	(003123–)	Screw, Soc, M6 X 1.00 X 45, 12.9	4
	20	384992	(003123–)	Rail, Injector, Fuel, Plstc	1
	21	06942	(003123–003170)	Screw, Hex, M6 X 1.00 X 16, 8.8	2
	22	372543	(003123–)	Fitting, Vacuum [M16–15–6h]	1
	23	384972	(003123–)	Hose, Vacuum, 0.22id X 15.0l	1
	24	63810	(003123–003268)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	2
	25	61869	(003123–003268)	Hose, Heater, 0.62id, 024.0l	1
	26	1042772	(003123–)	Fitting, Brs, Str, Pf06/Pm04	1
	27	27767	(003123–)	Fitting, Brs, Str, Em10/Pm06	1
	28	762282	(003123–003268)	Fitting, Hyd, Plug, Pm06	1
	29	06946	(003123–)	Screw, Hex, M6 X 1.00 X 35, 8.8	4
	30	1029082	(003123–003170)	Bracket, Mtg, Ecu [M20/T20 2007]	1
	31	1056232	(003123–)	Module, Ecu, Gas [Gm1.6l 2010]	1
	32	1015547	(003123–)	Fitting, Adapter, Orifice, Pf06/Pm06	1
	33	1062116	(003269–)	Fitting, Plstc, Tee, Bm10/Bm10/Bm10	1
	34	63810	(003269–)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	7
	35	51839	(003269–)	Fitting, Brs, E90, Em10/Pm06	1
	36	1016560	(003269–)	Hose, Afmkt, Rbr, Heater, 0.62id, 02ft	1
	37	1015897	(003269–)	Hose, Radiator, Mold, .75ld X .62ld (Cut in two)	1

Fig. 15 – Engine EFI Group, LPG (000000–001999)

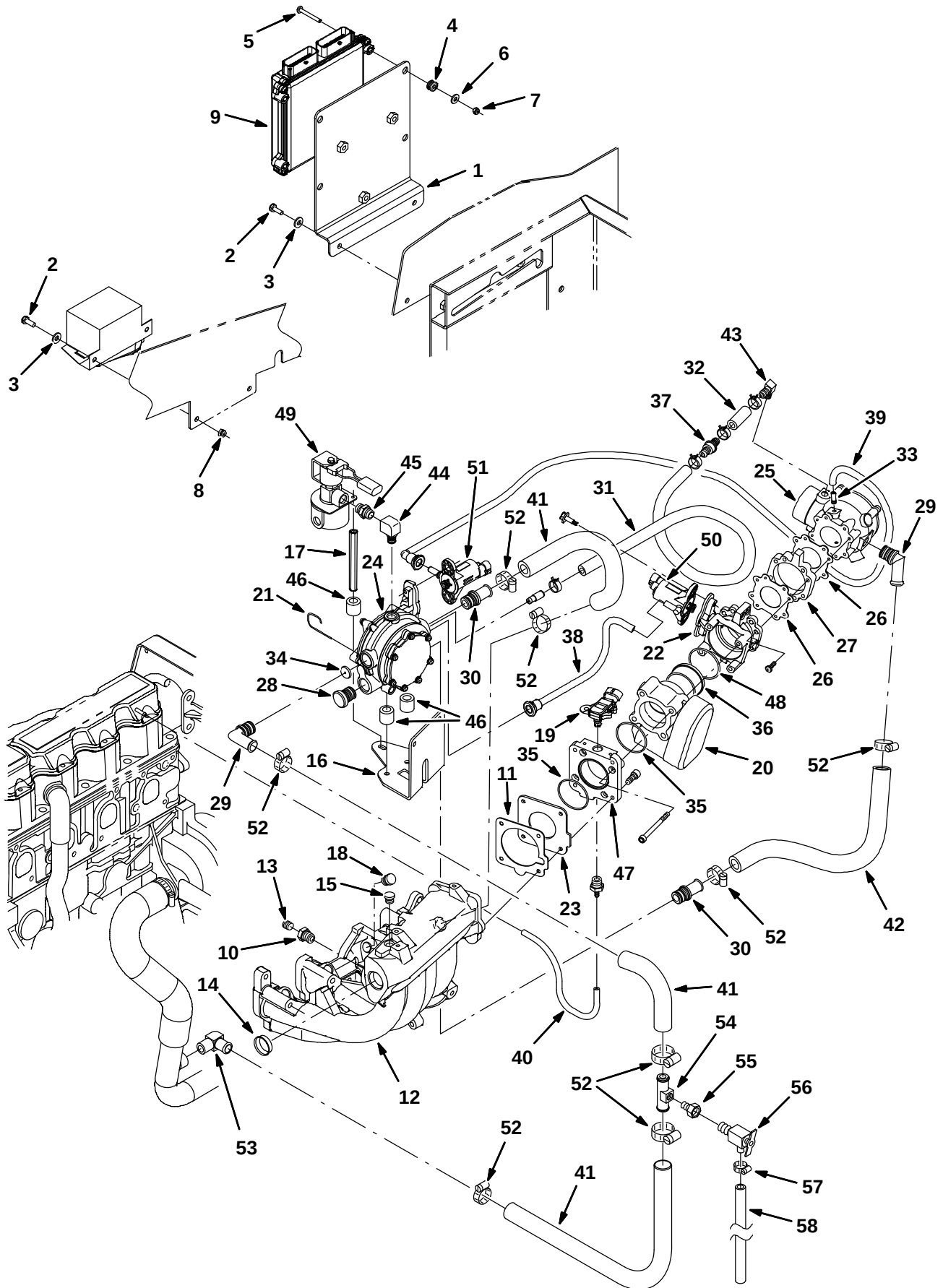


Fig. 15 – Engine EFI Group, LPG (000000–001999)

Ref.	Part No.	Serial Number	Description	Qty.
1	1018939	(000000–001999)	Bracket, Mtg [Ecu]	1
2	06942	(000000–001999)	Screw, Hex, M6 X 1.0 X 16, 8.8	4
3	32483	(000000–001999)	Washer, Flat, 0.25 Sae	4
4	46314	(000000–001999)	Grommet, Rbr, 0.20id, F/0.4h, .12 Matl	4
5	06938	(000000–001999)	Screw, Pan, M5 X 0.8 X 40, 4.8	4
6	01683	(000000–001999)	Washer, Flat, #10, Ss	8
7	06549	(000000–001999)	Nut, Hex, Lock, M5 X 0.8, NI	4
8	08708	(000000–001999)	Nut, Hex, Lock, M6 X 1.0, NI	2
9	372857	(000000–001999)	Module, Ecu, Lpg [Gm 1.6l]	1
10	372537	(000000–001999)	Bushing, M06–1.50 X .25–27npt	1
11	372544	(000000–001999)	Gasket, Manifold, Intake	1
12	372547	(000000–001999)	Manifold, Intake [1.6l]	1
13	372548	(000000–001999)	Plug, .12npt, Ss	1
14	372549	(000000–001999)	Plug, Manifold, Intake	1
15	372550	(000000–001999)	Plug, Port, Sensor [Map]	1
16	372576	(000000–001999)	Bracket, Reg [1.6l]	1
17	372577	(000000–001999)	Spacer, Sppt, Fltr Lock Off	1
18	372579	(000000–001999)	Plug, Hole, Injector	4
19	372493	(000000–001999)	Sensor [Tmap]	1
20	372482	(000000–001999)	Housing, Throttle, 40mm [Bosch]	1
21	372523	(000000–001999)	Pin, Retainer	5
22	372580	(000000–001999)	Adapter, Valve, Fuel Trim	1
23	372582	(000000–001999)	Adapter, Plate	1
24	372500	(000000–001999)	Converter, Lpg	1
25	372898	(000000–001999)	Mixer, Lpg [Gm 1.6l]	1
26	372608	(000000–001999)	Gasket	2
27	372612	(000000–001999)	Adapter, Throttle Body	1
28	372515	(000000–001999)	Fitting, Cap	1
29	372512	(000000–001999)	Fitting, E70	2
30	372514	(000000–001999)	Fitting, Str	2
31	372506	(000000–001999)	Hose, Balancing, Press, 680mm	1
32	372507	(000000–001999)	Hose, Balancing, Press, 045mm	1
33	372511	(000000–001999)	Fitting, Hose, Vacuum, .25	1
34	372517	(000000–001999)	Restrictor, Jet, Coolant	1
35	372484	(000000–001999)	Seal, Org	1
36	372498	(000000–001999)	Sleeve, Throttle, Plstc [Bosch]	1
37	372569	(000000–001999)	Valve, Check	1
38	372609	(000000–001999)	Hose, 170mm [Ftv–Ptv]	1
39	372605	(000000–001999)	Hose, Valve, Press Trim, 350mm	1
40	372607	(000000–001999)	Hose, 9.5mm X 290mm [Pcv]	1
41	372528	(000000–001999)	Hose, Mold, .62 To .75	1
42	372606	(000000–001999)	Hose, 355mm [FI–Vrp]	1
43	372510	(000000–001999)	Fitting, E90	1
44	372611	(000000–001999)	Fitting, Str, E90, .25npt	1
45	372610	(000000–001999)	Fitting, Nipple, .25npt, Brs	1
46	372518	(000000–001999)	Isolator, Mtg, Vaporizer, Rbr	3
47	372558	(000000–001999)	Adapter [1.6]	1
48	372613	(000000–001999)	Seal, Org, Throttle Body	1
▽ 49	372503	(000000–001999)	Valve, Fuelock, Lpg, Wire Connector	1
▲	372615	(000000–001999)	Filter Kit, Fuelock, Lpg	1

Fig. 15 – Engine EFI Group, LPG (000000–001999)

Ref.	Part No.	Serial Number	Description	Qty.
50	372501	(000000–001999)	Valve, Trim, Fuel, Normal Flow	1
51	372497	(000000–001999)	Valve, Body, Throttle, Lpg	1
52	63810	(000000–001999)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	9
53	51839	(000000–001999)	Fitting, Brs, E90, Em10/Pm06	1
54	83578	(000000–001999)	Tube, Air Bleed, .62d 2.2l .12npt Alm	1
55	1015930	(000000–001999)	Fitting, Brs, Str, Pf04/Pm02	1
56	51305	(000000–001999)	Fitting, Draincock, E90, .25npt	1
57	43844	(000000–001999)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	1
58	73471	(000000–001999)	Hose, Pvc, Clr, 0.38id 0.56od 22.00l	1

Fig. 16 – Engine EFI Group, LPG (002000–)

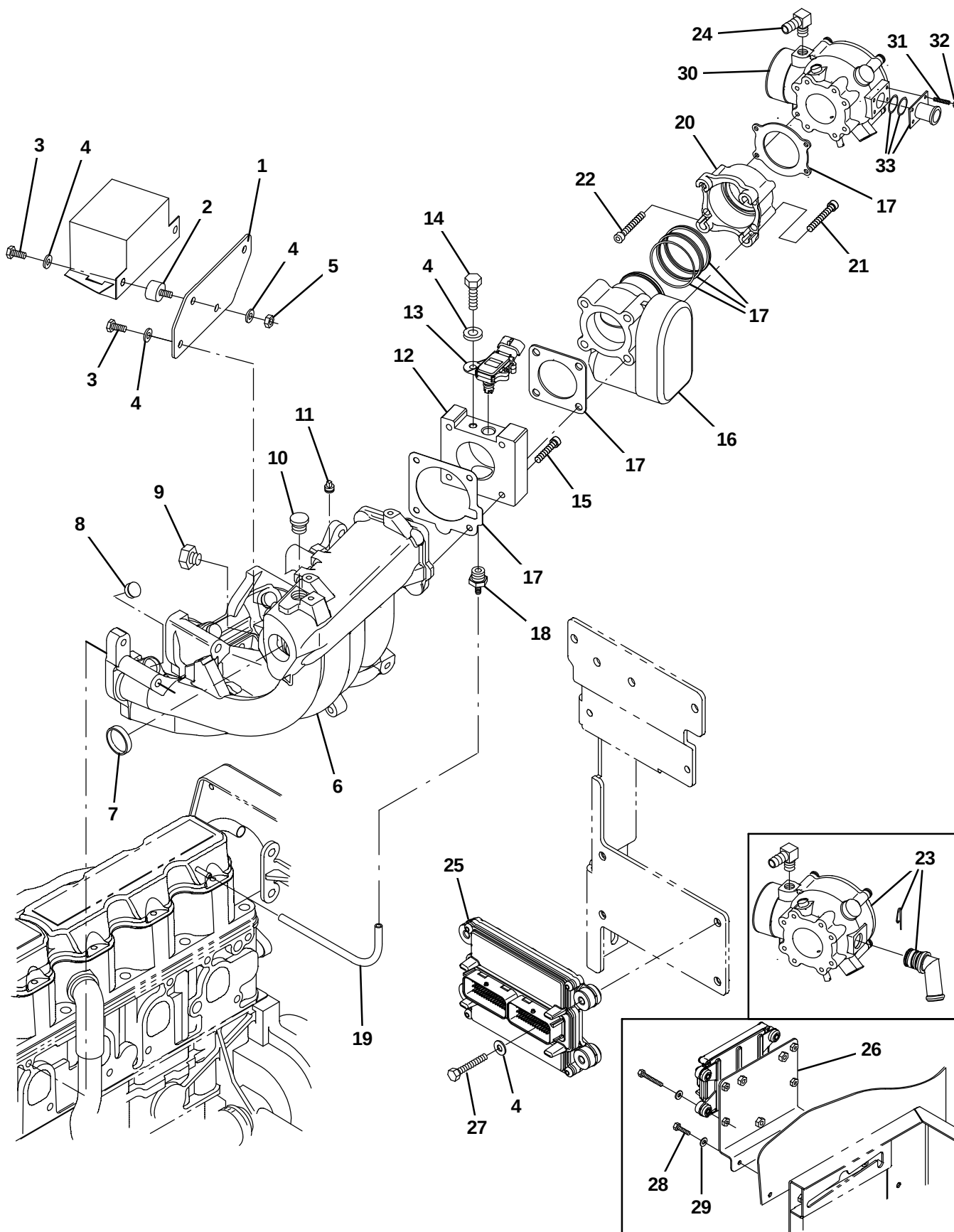


Fig. 16 – Engine EFI Group, LPG (002000–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1031312	(002000–)	Plate, Mtg, Relay	1
2	372470	(002000–)	Isolator, Box, Relay	2
3	19315	(002000–)	Screw, Hex, .25–20 X 0.50, G5	4
4	32490	(002000–)	Washer, Flat, 0.25, Std	9
5	19312	(002000–)	Nut, Hex, Std, .25–20	2
6	372547	(002000–)	Manifold, Intake [1.6l]	1
7	372549	(002000–)	Plug, Manifold, Intake	1
8	372579	(002000–)	Plug, Hole, Injector	4
9	384995	(002000–)	Fitting, Plug, M16, Intake Manifold	1
10	372550	(002000–)	Plug, Port, Sensor [Map]	1
11	372548	(002000–)	Plug, .12npt, Ss	1
12	372534	(002000–003122)	Adapter, Intake, Throttle Body	1
12	9006619	(003123–)	Adapter [E100 Mixer Gm 1.6l 2010]	1
13	384985	(002000–)	Sensor [T Map]	1
14	19317	(002000–)	Screw, Hex, .25–20 X 0.75, G5	1
15	06532	(002000–)	Screw, Soc, M6 X 1.00 X 25, 12.9	4
16	384974	(002000–)	Housing, Throttle, 40mm [Bosch]	1
17	9003391	(002000–)	Gasket Kit, Repair, Lpg [Gm1.6l 2007]	1
18	372543	(002000–)	Fitting, Vacuum [M16–15–6h]	1
19	384972	(002000–)	Hose, Vacuum, 0.22id X 15.0l	1
20	384996	(002000–)	Adapter, Valve, 400mm [Bosch]	1
21	09037	(002000–)	Screw, Soc, M8 X 1.25 X 70, 12.9	4
22	384991	(002000–)	Bolt, Soc Head, M5 X 80 X 35	4
23	384980	(002000–003122)	Mixer, W/70deg Ftg	1
24	384976	(002000–)	Fitting, E90	1
25	1028722	(002000–003122)	Module, Ecu, Lpg [Gm1.6l 2700]	1
25	1056233	(003123–)	Module, Ecu, Lpg [Gm1.6l 2010]	1
26	1029082	(002000–003170)	Bracket, Mtg, Ecu	1
27	06946	(002000–)	Screw, Hex, M6 X 1.00 X 35, 8.8	4
28	06942	(002000–003170)	Screw, Hex, M6 X 1.00 X 16, 8.8	2
29	32483	(002000–003170)	Washer, Flat, 0.25, Sae	2
30	9006618	(003123–)	Mixer [E100lp Gm1.6l 2010]	1
31	9007424	(003123–)	Stud, M05–0.8 [Gm1.6L Lp 2010]	4
32	9007423	(003123–)	Nut, Flng, M05–0.8 [Gm1.6L Lp 2010]	4
33	1055170	(003123–)	Fitting, Fuel [Mixer E100Lp 2010]	1

Fig. 17 – Engine Vaporizer Group, LPG (002000–003122)

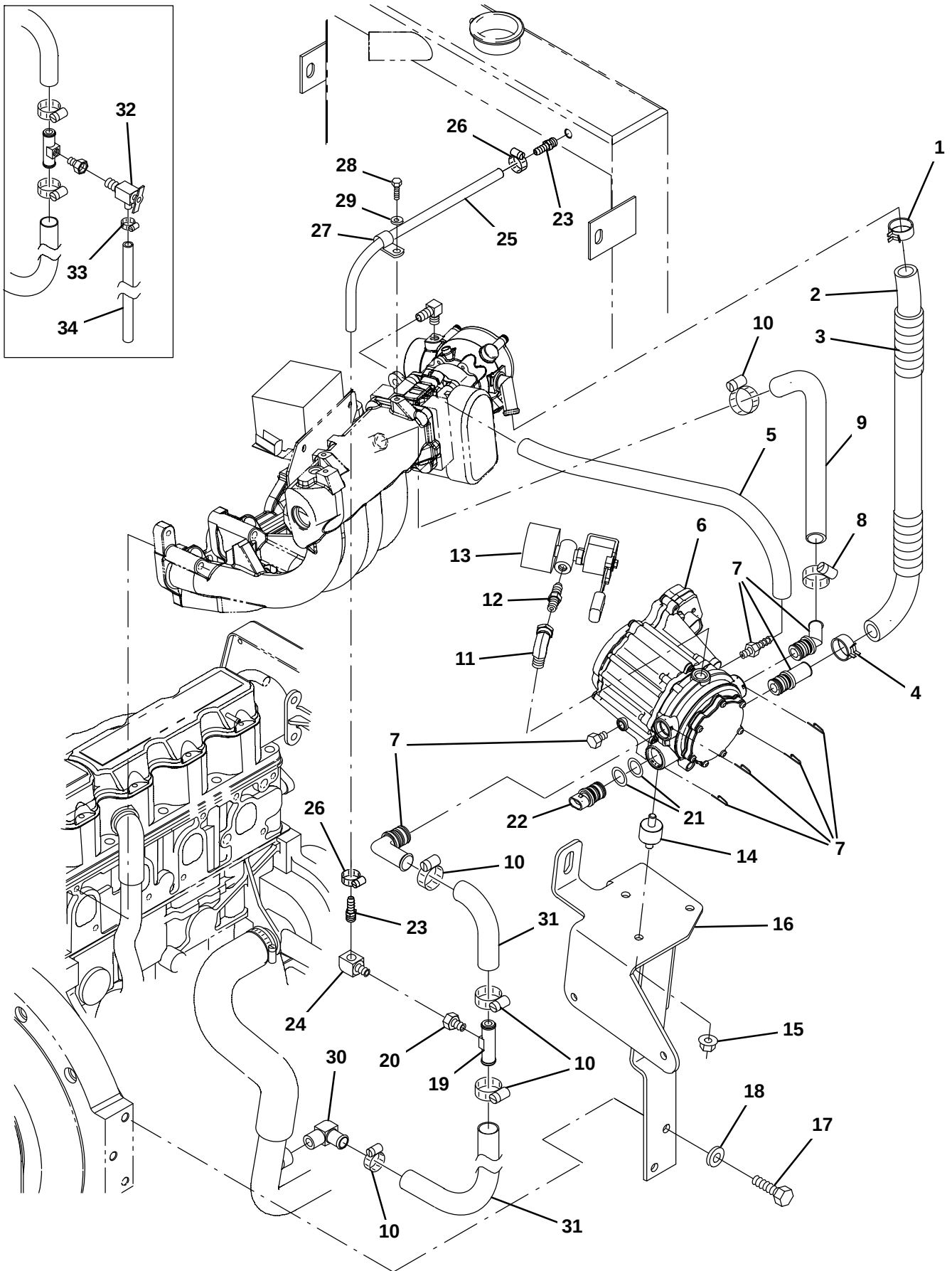


Fig. 17 – Engine Vaporizer Group, LPG (002000–003122)

Ref.	Part No.	Serial Number	Description	Qty.
1	384970	(002000–003122)	Clamp, Hose, Spring, 0.75d	1
2	384983	(002000–003122)	Hose [Mixer To Epr]	1
3	384971	(002000–003122)	Cover, Hose	1
4	384979	(002000–003122)	Clamp, Hose, Spring, 0.62d	1
5	384973	(002000–003122)	Hose, Supply, Gas, .25id	1
6	384977	(002000–003122)	Regulator [Ep]	1
7	384978	(002000–003122)	Fitting Kit [Epr]	1
8	372539	(002000–003122)	Clamp, Hose, 1.0	1
9	384984	(002000–003122)	Hose [Epr To Manifold]	1
10	63810	(002000–003122)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	5
▽ ▲	11	11442–1	(002000–003122) Fitting, Hyd, E90, Spcl	1
	12	372529	(002000–003122) Fitting, Nipple, .25mal	1
	13	384975	(002000–003122) Valve, Lock Off	1
		372615	(002000–003122) Filter Kit, Fuelock, Lpg	1
14	384986	(002000–003122)	Isolator [Epr]	3
15	07791	(002000–003122)	Nut, Hex, Flng, M8 X 1.25	3
16	1028343	(002000–003122)	Bracket Wldt, Mtg, Regulator, Lpg	1
17	371770	(002000–003122)	Screw	2
18	371877	(002000–003122)	Washer, Flat, 0.38, Hardened	2
19	83578	(002000–003122)	Tube, Bleed, Air, .62od 2.2l .12npt, Alm	1
20	1015930	(002000–003122)	Fitting, Brs, Str, Pf04/Pm02	1
21	1041151	(002000–003122)	Seal, Org, Sensor, Temp [Epr]	2
22	1041152	(002000–003122)	Sensor, Temp [Epr]	1
23	150516	(002493–003122)	Fitting, Brs, Str, Bm06/Pm05	2
24	27048	(002493–003122)	Fitting, Brs, E90, Pf04/Pm04	1
25	1043481	(002493–003122)	Hose, Heater, 0.38id	1
26	54333	(002493–003122)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
27	67767	(002493–003122)	Clamp, Cable, Stl, 0.69d X 0.62w, 1hole	1
28	06942	(002493–003122)	Screw, Hex, M6 X 1.00 X 16, 8.8	1
29	32490	(002493–003122)	Washer, Flat, 0.25, Std	1
30	51839	(002000–003122)	Fitting, Brs, E90, Em10/Pm06	1
31	372528	(002000–003122)	Hose, Mold, .62 To .75 (Cut in 2)	1
32	51305	(002000–002492)	Fitting, Draincock, E90, .25npt	1
33	43844	(002000–002492)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	1
34	73471	(002000–002492)	Hose, Pvc, Clr, 0.38id 0.56od 022.0l	1

Fig. 18 – Engine Vaporizer Group, LPG (003123–)

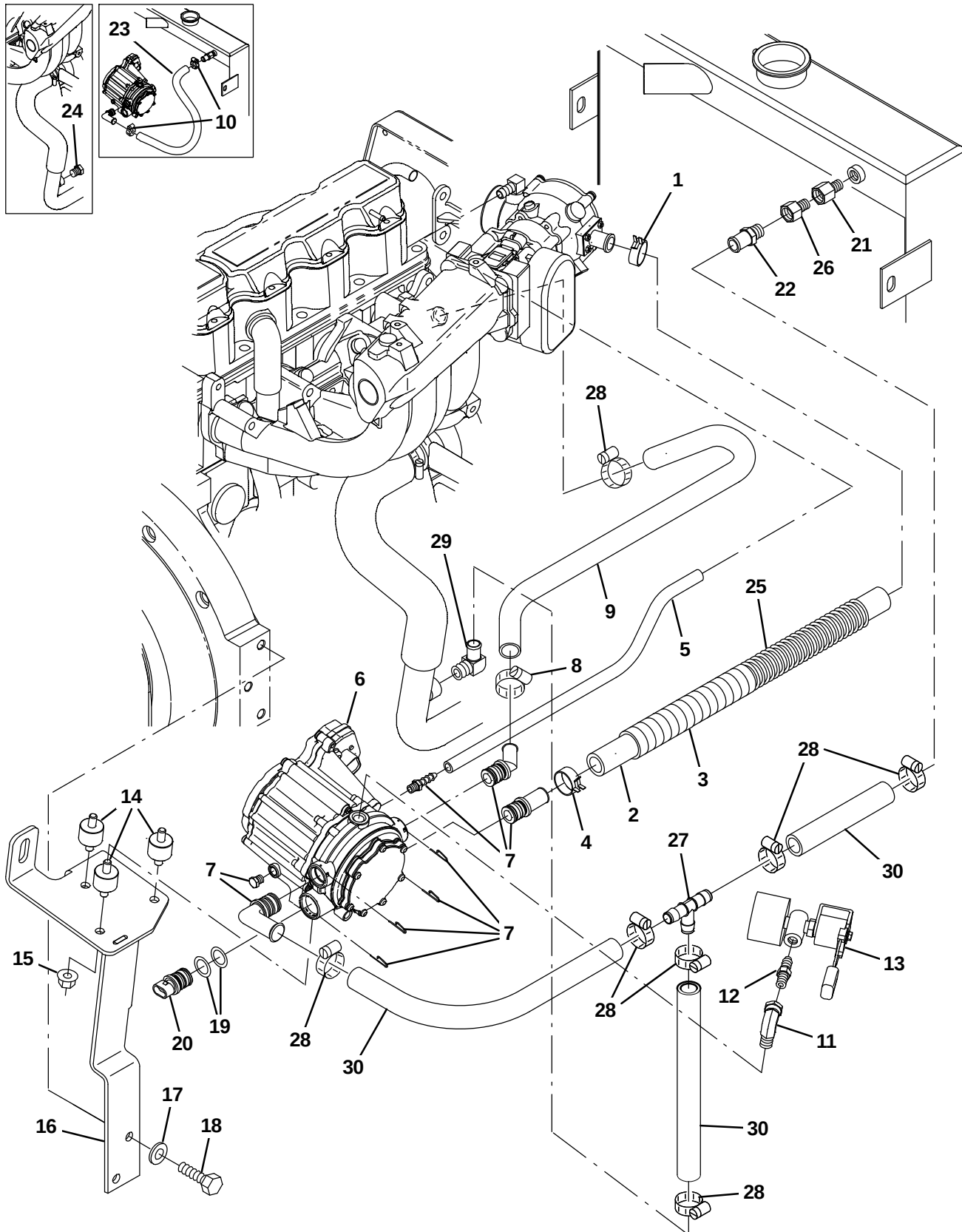


Fig. 18 – Engine Vaporizer Group, LPG (003123–)

Ref.	Part No.	Serial Number	Description	Qty.
1	384970	(003123–)	Clamp, Hose, Spring, 0.75d	1
2	9007552	(003123–)	Hose, Fuel [Mixer To Epr, 22.5"L]	1
3	384971	(003123–)	Cover, Hose	1
4	384979	(003123–)	Clamp, Hose, Spring, 0.62d	1
5	384973	(003123–)	Hose, Supply, Gas, .25id	1
6	384977	(003123–)	Regulator [Ep]	1
7	384978	(003123–)	Fitting Kit [Epr]	1
8	372539	(003123–)	Clamp, Hose, 1.0	1
9	384984	(003123–)	Hose [Epr To Manifold]	1
10	63810	(003123–003268)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	3
11	11442–1	(003123–)	Fitting, Hyd, E90, Spcl	1
12	372529	(003123–)	Fitting, Nipple, .25mal	1
▽ 13	9006620	(003123–)	Valve, Lock Off [Gm 1.6L 2010]	1
▲ 14	9007380	(003123–)	Filter, Fuellock, Lpg [Gm1.6L 2010]	1
14	384986	(003123–)	Isolator [Epr]	3
15	07791	(003123–)	Nut, Hex, Flng, M8 X 1.25	3
16	1056300	(003123–)	Bracket Wldt, Mtg, Reg, Lpg[Gm 2010]	1
17	371770	(003123–)	Screw	2
18	371877	(003123–)	Washer, Flat, 0.38, Hardened	2
19	1041151	(003123–)	Seal, Org, Sensor, Temp [Epr]	2
20	1041152	(003123–)	Sensor, Temp [Epr]	1
21	1042772	(003123–)	Fitting, Brs, Str, Pf06/Pm04	2
22	27767	(003123–)	Fitting, Brs, Str, Em10/Pm06	1
23	13048	(003123–003268)	Hose, Heater, 0.62id, 038.0l	1
24	762282	(003123–003268)	Fitting, Hyd, Plug, Pm06	1
25	9007553	(003123–)	Spring, 3/4 X 16 [Gm1.6L 2010 Lpg]	1
26	1015547	(003123–)	Fitting, Adapter, Orifice, Pf06/Pm06	1
27	1062116	(003269–)	Fitting, Plstc, Tee, Bm10/Bm10/Bm10	1
28	63810	(003269–)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	7
29	51839	(003269–)	Fitting, Brs, E90, Em10/Pm06	1
30	1016561	(003269–)	Hose, Afmkt, Rbr, Heater, 0.62id, 08ft	1

Fig. 19 – Engine Fuel Tank Group, Gasoline (000000–001999)

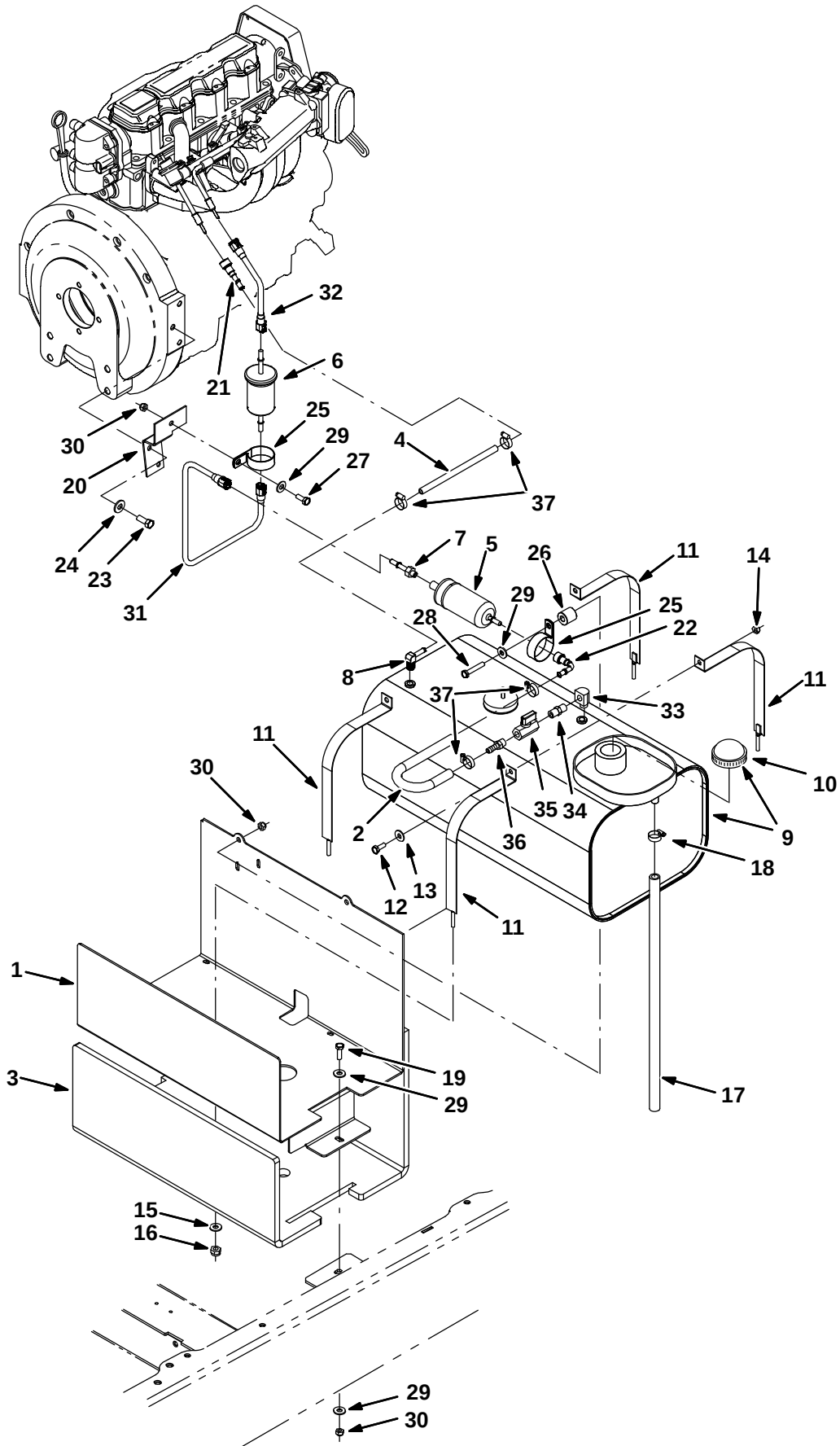


Fig. 19 – Engine Fuel Tank Group, Gasoline (000000–001999)

Ref.	Part No.	Serial Number	Description	Qty.
	1	1026550	(000000–001999) Tray Wldt, Fuel	1
	2	87730	(000000–001999) Hose, Fuel, 0.31id 12.0l	1
	3	1026759	(000000–001999) Insulation, Flame–Retardant, 0.5	1
	4	1012160	(000000–001999) Hose, Fuel, 0.31id 24.0l	1
	5	1011107	(000000–001999) Pump, Fuel, Hi Press [Gm 1.6l/3.0l]	1
	6	372440	(000000–001999) Filter, Fuel [Gm 1.6l/3.0l]	1
	7	1013086	(000000–001999) Connector, Fuel, Qf	1
	8	9000355	(000000–001999) Fitting, Brs, E90, Em05/Pm04	1
▽	9	9002395	(000000–001999) Tank, Fuel, 11.26Gal, gas, Replmt	1
▲	10	48267	(000000–001999) Cap, Tank, Fuel, 2.3neck 2.6d	1
▲		1039521	(000000–001999) Send–Unit, Fuel	1
	11	1025229	(000000–001999) Strap, Tank, Gas	4
	12	39277	(000000–001999) Screw, Hex, M8 X 1.25 X 25, 8.8	2
	13	32491	(000000–001999) Washer, Flat, 0.31, Std	2
	14	08709	(000000–001999) Nut, Hex, Lock, M8 X 1.25, NI	2
	15	32483	(000000–001999) Washer, Flat, 0.25 Sae	4
	16	32981	(000000–001999) Nut, Hex, Lock, .25–20, NI	4
	17	1023482	(000000–001999) Hose, Fuel, 0.50id 21.0l	1
	18	54333	(000000–001999) Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	1
	19	39277	(000000–001999) Screw, Hex, M8 X 1.25 X 25, 8.8	2
	20	1019416	(000000–001999) Bracket, Mtg, Fuel	1
	21	1013086	(000000–001999) Connector, Fuel, Qf	1
	22	1019939	(000000–001999) Connector, Fuel, E90, Qf	1
	23	21197	(000000–001999) Screw, Hex, .38–16 X 1.00, 5	2
	24	32492	(000000–001999) Washer, Flat, 0.38 Std	2
	25	1011895	(000000–001999) Clamp, Cable, Stl, 2.00d X 0.75w, 1 Hole	2
	26	383912	(000000–001999) Sleeve, P/M, 0.43b 1.00d 1.0l, Stl	1
	27	16931	(000000–001999) Screw, Hex, M8 X 1.25 X 20, 8.8	1
	28	06956	(000000–001999) Screw, Hex, M8 X 1.25 X 45, 8.8	1
	29	32491	(000000–001999) Washer, Flat, 0.31, Std	6
	30	08709	(000000–001999) Nut, Hex, Lock, M8 X 1.25, NI	4
	31	1026664	(000000–001999) Fuelline, .31d Str/Str, Plstc	1
	32	1019394	(000000–001999) Fuelline, .31d Str/Str, Plstc	1
	33	27048	(000000–001999) Fitting, Brs, E90, Pf04/Pm04	1
	34	398468	(000000–001999) Fitting, Brs, Str, Pm04/Pm04	1
	35	1019940	(000000–001999) Valve, Ball, 04pf, Chm W/ Handle	1
	36	392629	(000000–001999) Fitting, Brs, Str, Bm05/Pm04	1
	37	54333	(000000–001999) Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	4

Fig. 20 – Engine Fuel Tank Group, Gasoline (002000–)

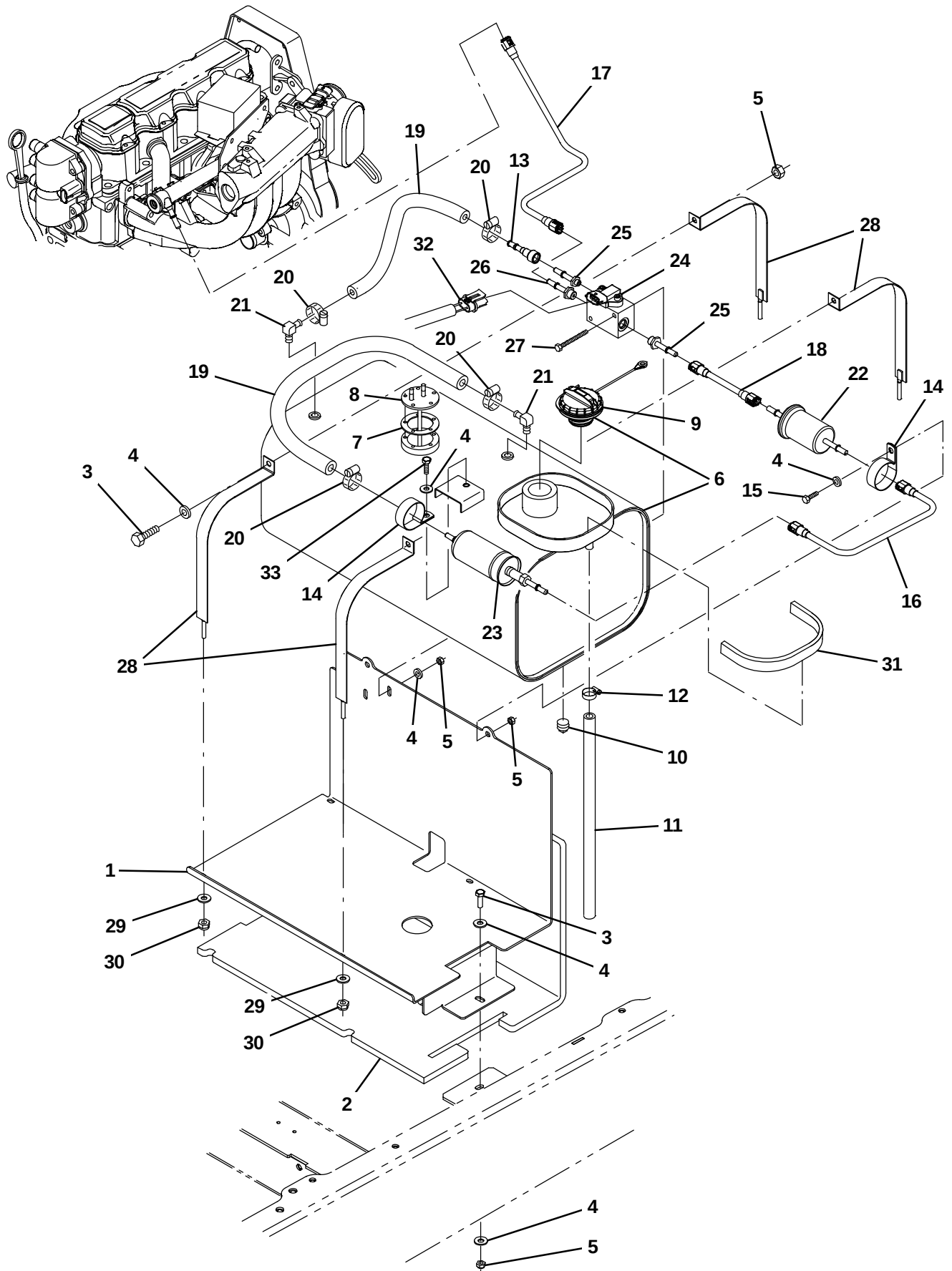


Fig. 20 – Engine Fuel Tank Group, Gasoline (002000–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1026550	(002000–)	Tray Wldt, Fuel	1
2	1026759	(002000–)	Insulation, Flame-Retardant, 0.5	1
3	39277	(002000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	4
4	32491	(002000–)	Washer, Flat, 0.31, Std	8
5	08709	(002000–)	Nut, Hex, Lock, M8 X 1.25, NI	5
▽	6	9003610	(002000–) Tank, Fuel, 11.2gal, Gas, Replmt [2007]	1
▲	7	1033897	(002000–) Gasket, Sender, Fuel	1
▲	8	1033901	(002000–) Send-Unit, Fuel [2007]	1
▲	9	1032812	(002000–) Cap, Fuel, Tank	1
▲	10	48126	(002000–) Fitting, Pipe, Plug, Pm02, Sq Head	1
	11	1023482	(002000–) Hose, Fuel, 0.50id, 21.0l	1
	12	54333	(002000–) Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	1
	13	1013086	(002000–) Connector, Fuel, Qf	2
	14	1011895	(002000–) Clamp, Cable, Stl, 2.00d X 0.75w, 1hole	2
	15	06956	(002000–) Screw, Hex, M8 X 1.25 X 45, 8.8	2
	16	1034676	(002000–) Fuelline, .31d Str/Str,Plstc[M20/T20 07]	1
	17	1034655	(002000–) Fuelline, .31d Str/Str,Plstc[M20/T20 07]	1
	18	1012248	(002000–) Fuelline, .31d Str/Str, Plstc	1
	19	1033746	(002000–) Hose, Fuel, 0.31id [Evap Emission 07]	2
	20	54333	(002000–) Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	4
	21	9000355	(002000–) Fitting, Brs, E90, Em05/Pm04	2
	22	372440	(002000–) Filter, Fuel [Gm 1.6l/3.0l]	1
	23	1011107	(002000–) Pump, Fuel, Hi Press [Gm 1.6l/3.0l]	1
	24	1028924	(002000–) Manifold, Gas, Relief, Valve	1
	25	1029293	(002000–) Fitting, Fuel, Str, 0.56–18 [07 Eng]	2
	26	1029295	(002000–) Fitting, Fuel, Str, 0.38–24 [07 Eng]	1
	27	06949	(002000–) Screw, Hex, M6 X 1.0 X 50, 8.8	2
	28	1025229	(002000–) Strap, Tank, Gas	4
	29	32483	(002000–) Washer, Flat, 0.25, Sae	4
	30	32981	(002000–) Nut, Hex, Lock, .25–20, NI	4
	31	62595–15	(002000–) Molding, Trim, Pvc, .08–.11 13.2l	1
	32	385009	(002000–) Harness, Manifold, Gas	1
	33	16931	(002000–) Screw, Hex, M8 X 1.25 X 20, 8.8	1

Fig. 21 – Engine Fuel Tank Group, LPG

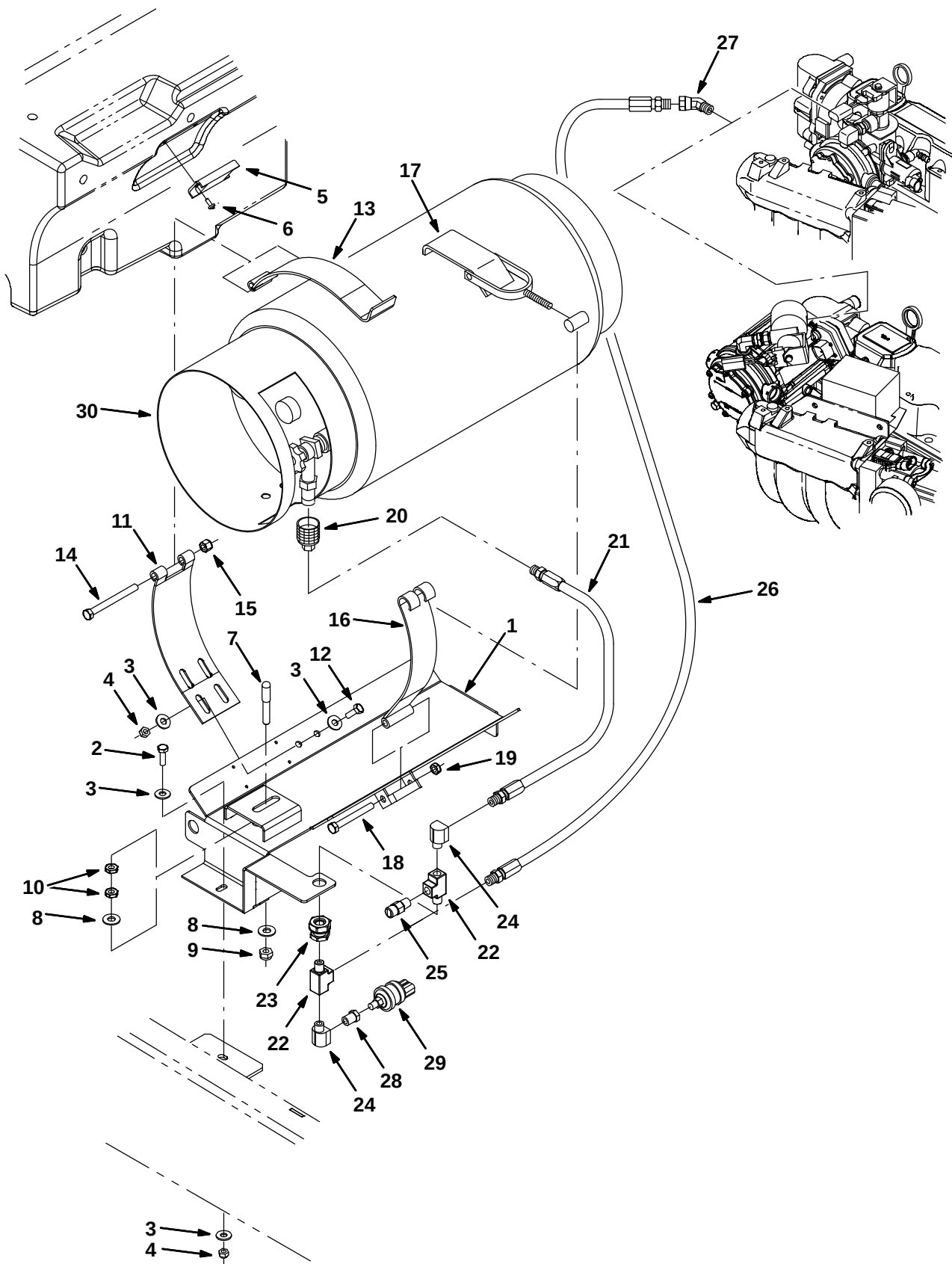


Fig. 21 – Engine Fuel Tank Group, LPG

Ref.	Part No.	Serial Number	Description	Qty.
1	1017947	(000000–	) Tray Wldt, Lpg	1
2	39277	(000000–	) Screw, Hex, M8 X 1.25 X 25, 8.8	2
3	32491	(000000–	) Washer, Flat, 0.31, Std	8
4	08709	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI	4
5	63378	(000000–	) Magnet, Drive Brush	1
6	09200	(000000–	) Screw, Pan, M5 X 0.8 X 12, Ss	2
7	1024934	(000000–	) Pin, Locating, Lpg	1
8	32492	(000000–	) Washer, Flat, 0.38 Std	2
9	41430	(000000–	) Nut, Hex, Lock, M10 X 1.5, NI	1
10	32716	(000000–	) Nut, Hex, Jam, M10 X 1.5, Ss	2
11	58589	(000000–	) Strap, Mtg, Tank, Lpg	1
12	16931	(000000–	) Screw, Hex, M8 X 1.25 X 20, 8.8	2
13	57297	(000000–	) Strap, Mtg, Tank, Lpg, Hinge	1
14	35710	(000000–	) Screw, Hex, .38–16 X 3.75, 5	1
15	59156	(000000–	) Nut, Hex, Lock, .38–16, NI, Ss	1
16	58590	(000000–	) Strap, Mtg, Tank, Lpg	1
17	53400–1	(000000–	) Latch Assy, Mtg, Tank, Lpg, W/Nut	1
18	35707	(000000–	) Screw, Hex, .38–16 X 3.00, 5	1
19	36643	(000000–	) Nut, Hex, Lock, .38–16, NI, Thin	1
20	26496	(000000–	) Fitting, Brs, Qdc, Pf04, Lpg Fem	1
21	22308–6	(000000–	) Hose, Lpg, Med05, Pm04str/Sm04str, 14.0l	1
22	24929	(000000–	) Fitting, Hyd, Tee, Pf04/Pf04/Pm04, Run	2
23	78122	(000000–	) Fitting, Brs, Str, Pf04/Pf04, Bh	1
24	27048	(000000–	) Fitting, Brs, E90, Pf04/Pm04	2
25	24047	(000000–	) Valve, Lpg, Press Relief [Rego]	1
26	19760	(000000–	) Hose, Lpg, Med05, Pm04str/Sm04str, 55.0l	1
27	392645	(000000–	) Fitting, Pipe, E45, Spcl	1
28	17414	(000000–	) Fitting, Hyd, Str, Pf02/Pm04	1
29	23156	(000000–	) Switch, Press, 12vdc 08a Spst Nc 0070psi	1
30	24928–1	(000000–	) Tank, Lpg, 33lb, W/ Gauge [Empty, Liq]	1

Fig. 22 – Engine Air Cleaner Group, Gasoline (000000–001999)

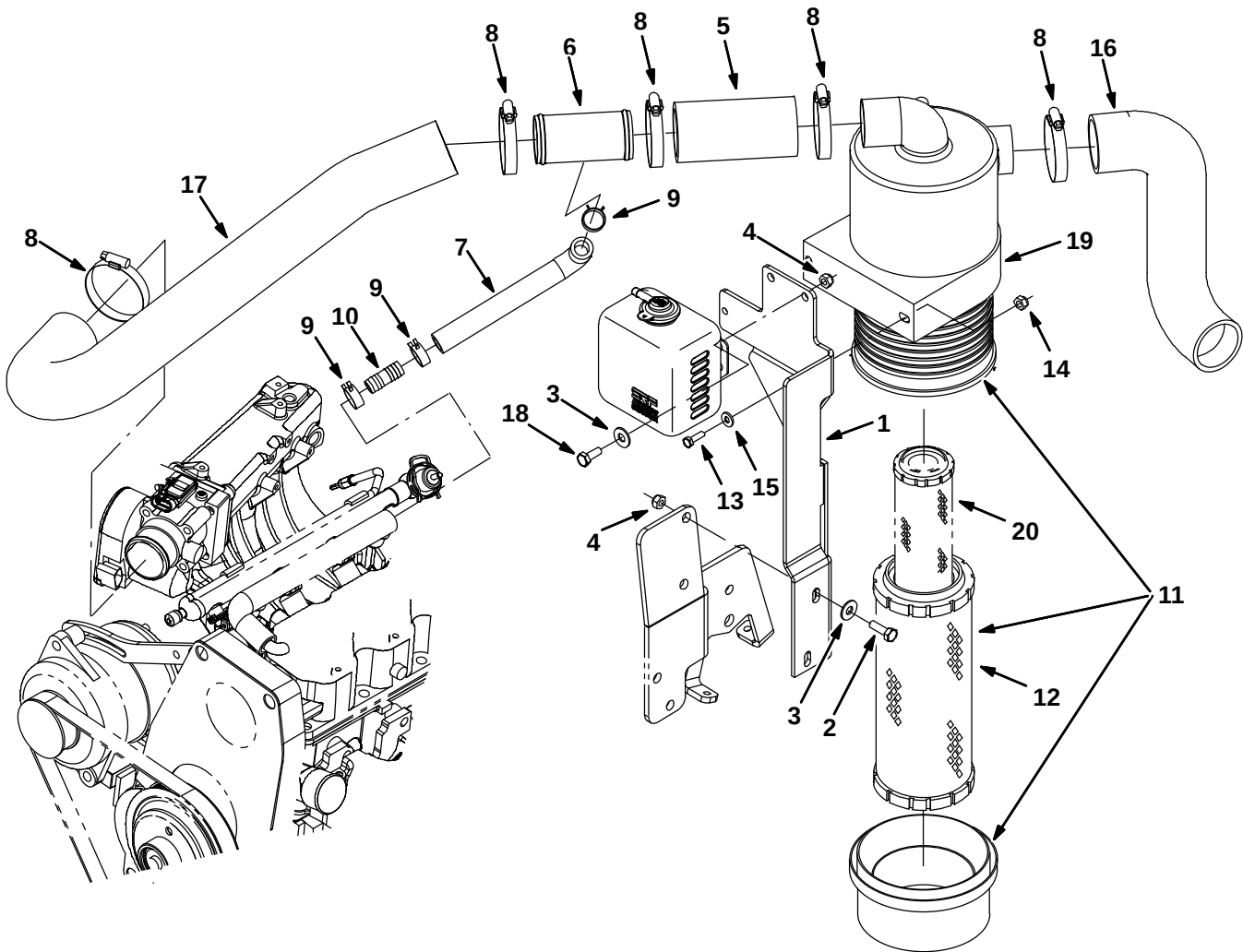


Fig. 22 – Engine Air Cleaner Group, Gasoline (000000–001999)

Ref.	Part No.	Serial Number	Description	Qty.	
1	1027856	(000000–001999)	Bracket, Mtg, Fltr, Air	1	
2	39277	(000000–001999)	Screw, Hex, M8 X 1.25 X 25, 8.8	2	
3	32491	(000000–001999)	Washer, Flat, 0.31, Std	4	
4	08709	(000000–001999)	Nut, Hex, Lock, M8 X 1.25, NI	4	
5	15543–2	(000000–001999)	Hose, Rbr, 2.00id 2.50od 05.0l	1	
6	1011780	(000000–001999)	Tube Wldt, Tee	1	
7	1021514	(000000–001999)	Hose, Heater, E90, 0.62id 07.0 2.0	1	
8	14432	(000000–001999)	Clamp, Hose, Wormdrive, 1.81–2.75d, .50w	5	
9	1011899	(000000–001999)	Clamp, Hose, Spring Stl, 0.86d X 0.38w	3	
10	365164	(000000–001999)	Fitting, Plstc, Str, Bm10/Bm10	1	
▽	11	369745	(000000–001999)	Filter Assy, Air	1
▲	12	369746	(000000–001999)	Element, Fltr, Air [Dn]	1
	13	06943	(000000–001999)	Screw, Hex, M6 X 1.0 X 20, 8.8	2
	14	08708	(000000–001999)	Nut, Hex, Lock, M6 X 1.0, NI	2
	15	32483	(000000–001999)	Washer, Flat, 0.25 Sae	2
	16	1020949	(000000–001999)	Hose, Intake, Mold, 2.00id [Epdm]	1
	17	1017978	(000000–001999)	Hose, Intake, Mold, 2.00id, Gas [Epdm]	1
	18	16931	(000000–001999)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
	19	369747	(000000–001999)	Clamp, Mtg, Fltr, Air	1
	20	398279	(000000–001999)	Element, Fltr, Air, Safety (Option)	1

Fig. 23 – Engine Air Cleaner Group, Gasoline (002000–)

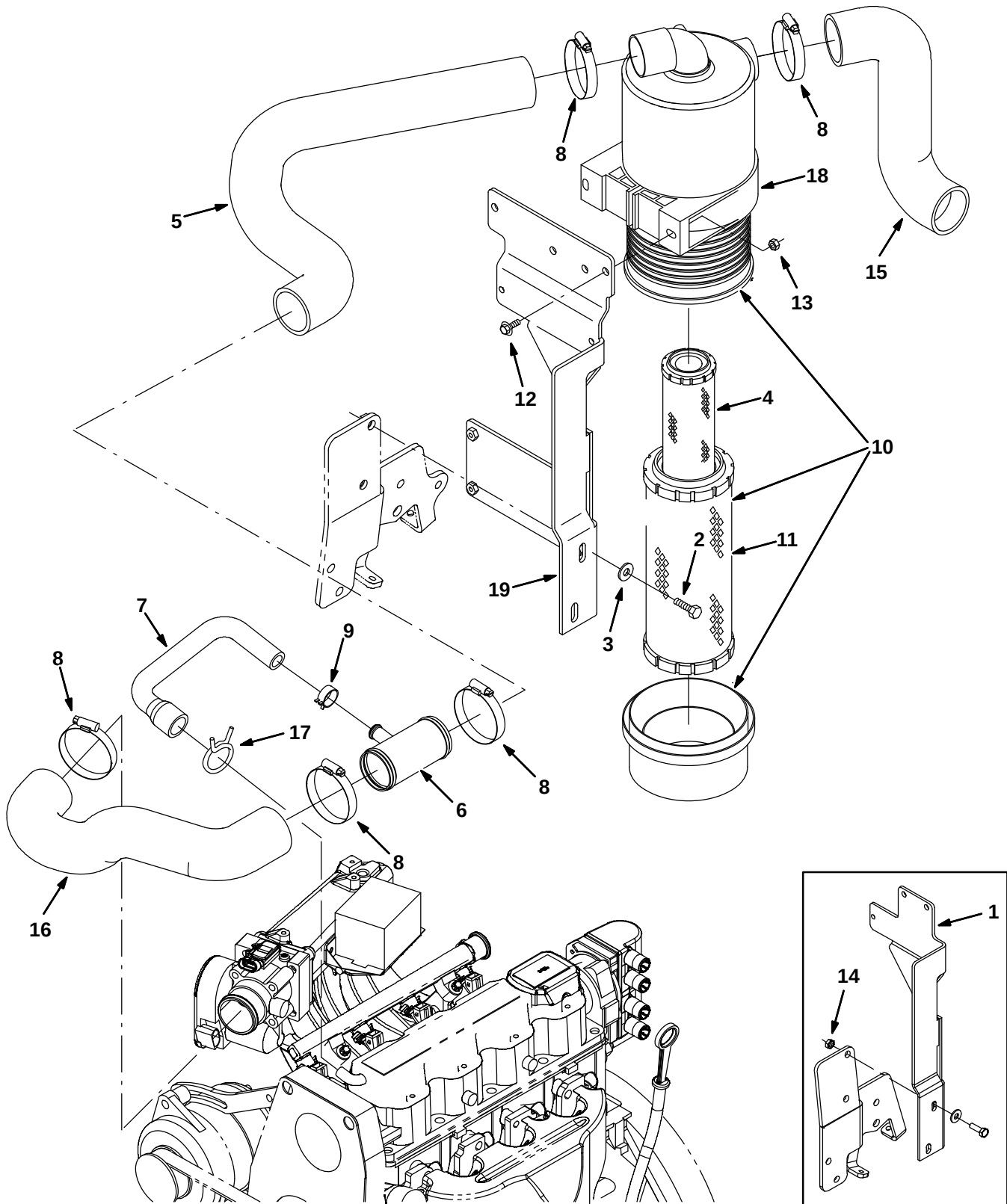


Fig. 23 – Engine Air Cleaner Group, Gasoline (002000–)

Ref.	Part No.	Serial Number	Description	Qty.	
1	1027856	(002000–003122)	Bracket, Mtg, Fltr, Air	1	
2	39277	(002000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	2	
3	32491	(002000–)	Washer, Flat, 0.31, Std	2	
4	398279	(002000–)	Element, Fltr, Air, Safety (Option)	1	
5	1031614	(002000–)	Hose, Intake, Mold, 2.0id [Epdm M20/T20]	1	
6	1011780	(002000–)	Tube Wldt, Tee	1	
7	1032323	(002000–)	Hose, Vent, E90, 0.62id[Gm1.6l 2007]	1	
8	14432	(002000–)	Clamp, Hose, Wormdrive, 1.81–2.75d, .50w	5	
9	1011899	(002000–)	Clamp, Hose, Spring Stl, 0.86d X 0.38w	1	
▽	10	369745	(002000–)	Filter Assy, Air	1
▲	11	369746	(002000–)	Element, Fltr, Air [Dn]	1
	12	1036892	(002000–)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	2
	13	08708	(002000–)	Nut, Hex, Lock, M6 X 1.00, NI	2
	14	08709	(002000–xxxxxx)	Nut, Hex, Lock, M8 X 1.25, NI	2
	15	1020949	(002000–)	Hose, Intake, Mold, 2.00id [Epdm]	1
	16	1031609	(002000–)	Hose, Intake, Mold, 2.0id, Gas	1
	17	371854	(002000–)	Clamp, Spring, 1.50	1
	18	369747	(002000–)	Clamp, Mtg, Fltr, Air	1
	19	1056355	(003123–)	Bracket, Mtg, Fltr, Air	1

Fig. 24 – Engine Air Cleaner Group, LPG (000000–001999)

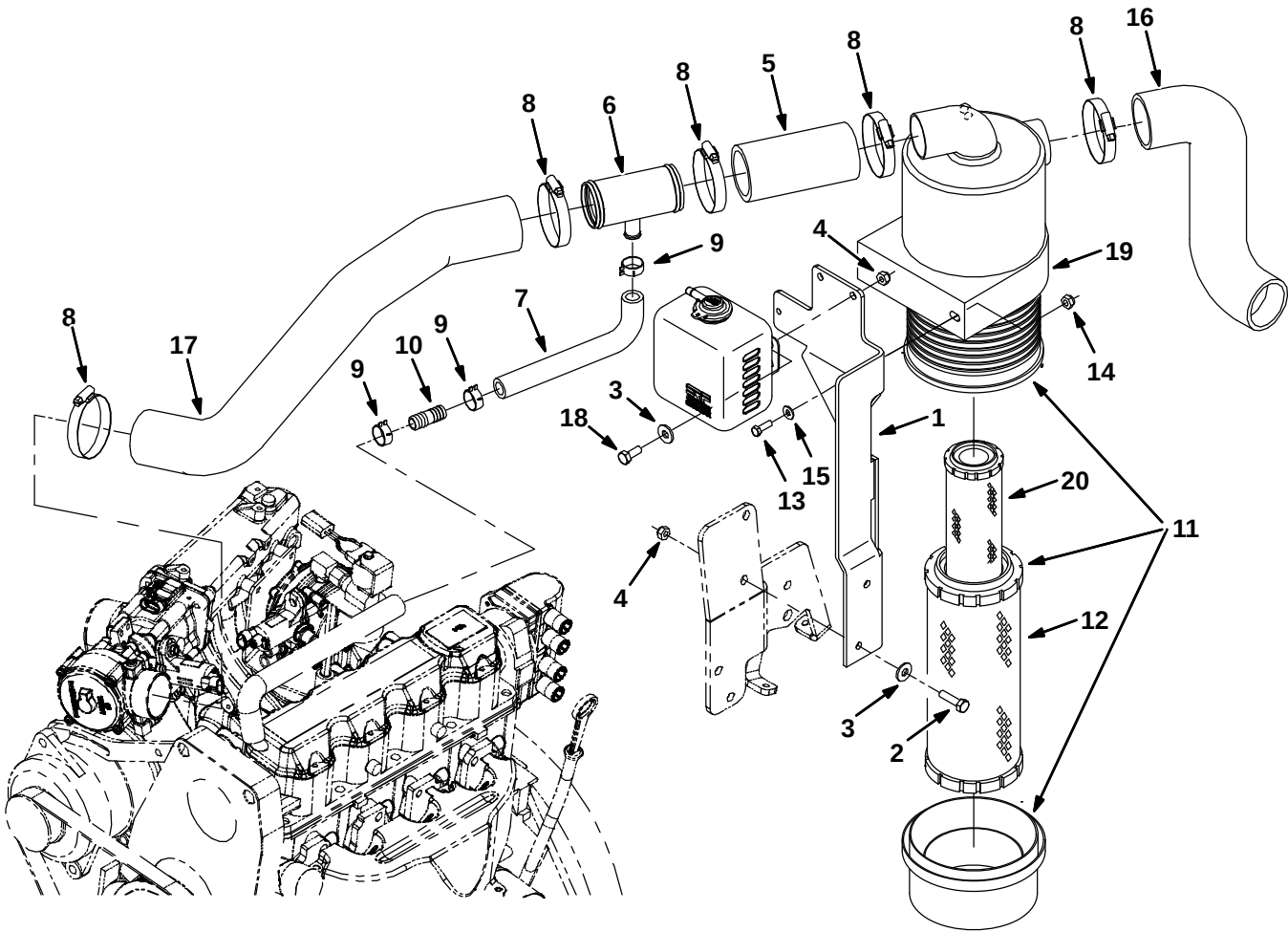


Fig. 24 – Engine Air Cleaner Group, LPG (000000–001999)

Ref.	Part No.	Serial Number	Description	Qty.	
1	1027856	(000000–001999)	Bracket, Mtg, Fltr, Air	1	
2	39277	(000000–001999)	Screw, Hex, M8 X 1.25 X 25, 8.8	2	
3	32491	(000000–001999)	Washer, Flat, 0.31, Std	4	
4	08709	(000000–001999)	Nut, Hex, Lock, M8 X 1.25, NI	4	
5	15543–2	(000000–001999)	Hose, Rbr, 2.00id 2.50od 05.0l	1	
6	1011780	(000000–001999)	Tube Wldt, Tee	1	
7	1021514	(000000–001999)	Hose, Heater, E90, 0.62id 07.0 2.0	1	
8	14432	(000000–001999)	Clamp, Hose, Wormdrive, 1.81–2.75d, .50w	5	
9	1011899	(000000–001999)	Clamp, Hose, Spring Stl, 0.86d X 0.38w	3	
10	365164	(000000–001999)	Fitting, Plstc, Str, Bm10/Bm10	1	
▽	11	369745	(000000–001999)	Filter Assy, Air	1
▲	12	369746	(000000–001999)	Element, Fltr, Air [Dn]	1
	13	06943	(000000–001999)	Screw, Hex, M6 X 1.0 X 20, 8.8	2
	14	08708	(000000–001999)	Nut, Hex, Lock, M6 X 1.0, NI	2
	15	32483	(000000–001999)	Washer, Flat, 0.25 Sae	2
	16	1020949	(000000–001999)	Hose, Intake, Mold, 2.00id [Epdm]	1
	17	1017987	(000000–001999)	Hose, Intake, Mold, 2.00id, Lpg [Epdm]	1
	18	16931	(000000–001999)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
	19	369747	(000000–001999)	Clamp, Mtg, Fltr, Air	1
	20	398279	(000000–001999)	Element, Fltr, Air, Safety (Option)	1

Fig. 25 – Engine Air Cleaner Group, LPG (002000–)

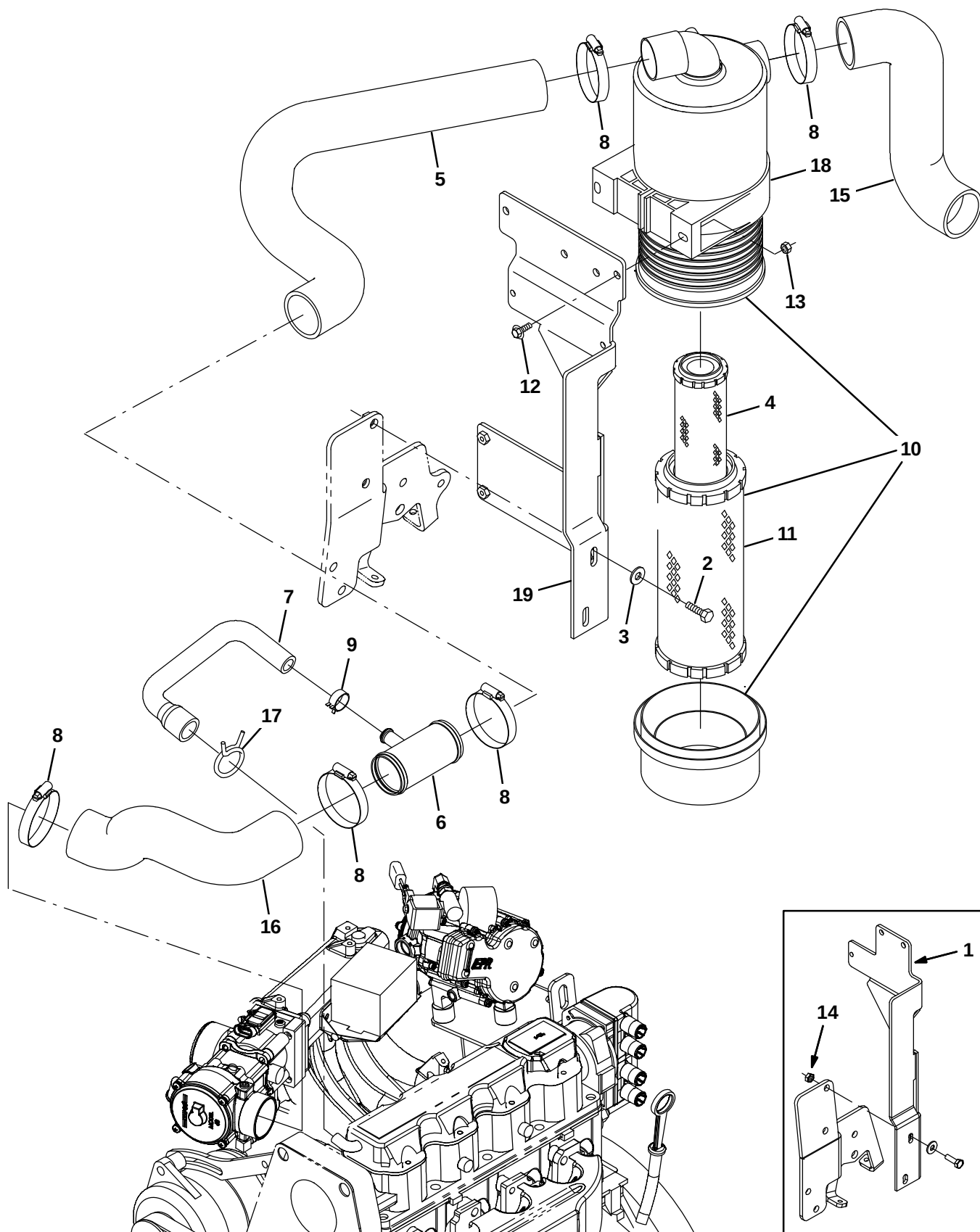


Fig. 25 – Engine Air Cleaner Group, LPG (002000–)

Ref.	Part No.	Serial Number	Description	Qty.	
1	1027856	(002000–003122)	Bracket, Mtg, Fltr, Air	1	
2	39277	(002000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	2	
3	32491	(002000–)	Washer, Flat, 0.31, Std	2	
4	398279	(002000–)	Element, Fltr, Air, Safety (Option)	1	
5	1031614	(002000–)	Hose, Intake, Mold, 2.0id [Epdm M20/T20]	1	
6	1011780	(002000–)	Tube Wldt, Tee	1	
7	1032323	(002000–)	Hose, Vent, E90, 0.62id[Gm1.6l 2007]	1	
8	14432	(002000–)	Clamp, Hose, Wormdrive, 1.81–2.75d, .50w	5	
9	1011899	(002000–)	Clamp, Hose, Spring Stl, 0.86d X 0.38w	1	
▽	10	369745	(002000–)	Filter Assy, Air	1
▲	11	369746	(002000–)	Element, Fltr, Air [Dn]	1
	12	1036892	(002000–)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	2
	13	08708	(002000–)	Nut, Hex, Lock, M6 X 1.00, NI	2
	14	08709	(002000–xxxxxx)	Nut, Hex, Lock, M8 X 1.25, NI	2
	15	1020949	(002000–)	Hose, Intake, Mold, 2.00id [Epdm]	1
	16	1031553	(002000–003122)	Hose, Intake, Mold, 2.0id, Lpg	1
	16	1054558	(003123–)	Hose, Intake, Mold, 2.0id, Lpg [Gm 2010]	1
	17	371854	(002000–)	Clamp, Spring, 1.50	1
	18	369747	(002000–)	Clamp, Mtg, Fltr, Air	1
	19	1056355	(003123–)	Bracket, Mtg, Fltr, Air	1

Fig. 26 – Engine Alternator and Fan Group

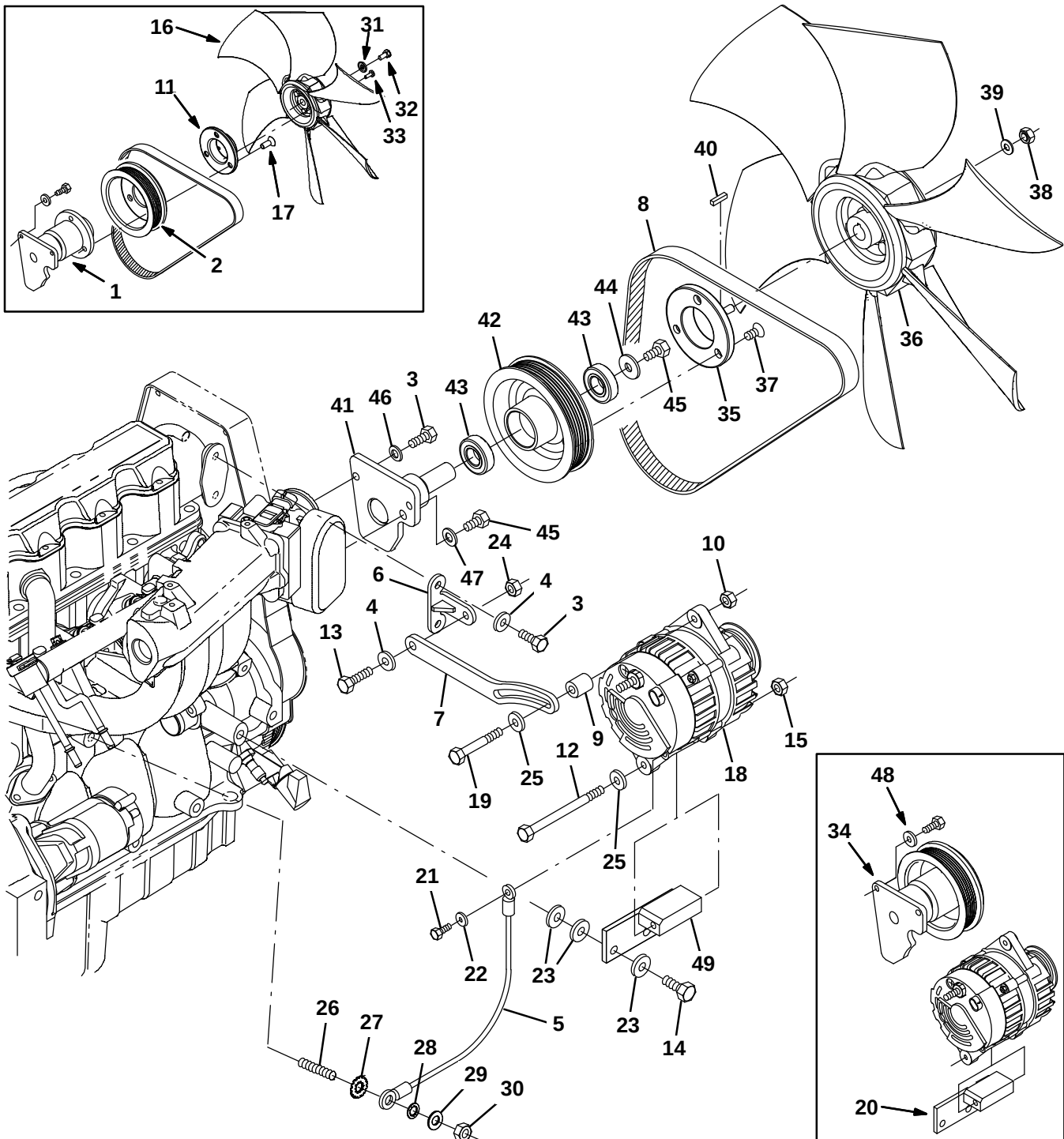


Fig. 26 – Engine Alternator and Fan Group

Ref.	Part No.	Serial Number	Description	Qty.
1	371863	(000000-001999)	Base Assy, Fan, W/O Pulley	1
2	1033428	(000000-001999)	Sheave, 5.00dia [Gm1.6l 2007]	1
3	16931	(000000-)	Screw, Hex, M8 X 1.25 X 20, 8.8	4
4	371865	(000000-)	Washer, Flat, 0.31, Hardened	5
5	371527	(000000-)	Wire, Ground	1
6	371871	(000000-)	Bracket, Anchor, Strap, Alternator	1
7	371872	(000000-)	Strap, Adj, Alternator	1
8	1033644	(000000-)	Belt, Ribbed, 38.5l	1
9	372557	(000000-)	Spacer, Strap, Adj, Alternator	1
10	39311	(000000-)	Nut, Hex, Std, M8 X 1.25	1
11	1032242	(000000-001999)	Spacer, Fan	1
12	39785	(000000-)	Screw, Hex, .31-18 X 4.50, 5	1
13	76958	(000000-)	Screw, Hex, .31-18 X 1.75, 5	1
14	06961	(000000-)	Screw, Hex, M10 X 1.5 X 20, 8.8	2
15	32983	(000000-)	Nut, Hex, Lock, .31-18, NI	1
16	1035031	(000000-001999)	Fan, Cooling, Pusher, 15.5D [2007]	1
17	48998	(000000-001999)	Screw, Flt, .38-16 X 1.00, Al	3
18	393209	(000000-)	Alternator, 12vdc 075a [Multi Grv]	1
19	363976	(000000-)	Screw, Hex, M8 X 1.25 X 60, 8.8, FI	1
20	9006917	(000000-003122)	Bracket Kit, Alternator, Repair	1
21	42011	(000000-)	Screw, Hex, #10-24 X 0.50, Ss	1
22	19066	(000000-)	Washer, Flat, #10	1
23	32485	(000000-)	Washer, Flat, 0.38 Sae	4
24	19313	(000000-)	Nut, Hex, Std, .31-18	1
25	39349	(000000-)	Washer, Flat, 0.31 Sae	2
26	384442	(000000-)	Stud, M10 X 1.50 [35]	1
27	32988	(000000-)	Washer, Lock, Int, 0.38	1
28	41142	(000000-)	Washer, Lock, Int-Ext, 0.38	1
29	32485	(000000-)	Washer, Flat, 0.38 Sae	1
30	32716	(000000-)	Nut, Hex, Jam, M10 X 1.5, Ss	1
31	41186	(000000-001999)	Washer, Flat, Belleville, .31	1
32	16735	(000000-001999)	Screw, Hex, M8 X 1.25 X 16, 8.8	1
33	09145	(000000-001999)	Screw, Pan, M6 X 1.00 X 16, 4.8	3
34	9007088	(002000-003122)	Sheave Assy Kit, Repair	1
35	1035530	(002000-)	Spacer, Fan, Taper [2007]	1
36	1035771	(002000-003038)	Fan, Cooling, 15.5d, 6 Blade, .5b Taper	1
36	1046237	(003039-)	Fan, Cooling, 16.0d, 6 Blade	1
37	48996	(002000-)	Screw, Flt, .38-16 X 0.75, Al	3
38	08709	(002000-)	Nut, Hex, Lock, M8 X 1.25, NI	1
39	32491	(002000-)	Washer, Flat, 0.31, Std	1
40	00960	(002000-)	Key, Sq, 0.12 X 0.12, 0.50l	1
41	1055381	(003123-)	Plate Wldt, Fan, Hub [Gm 1.6l]	1
42	1055425	(003123-)	Sheave, Mach [Gm1.6l]	1
43	1055377	(003123-)	Bearing, Ball, 20mm B 42mm D 12mm W	2
44	1014563	(003123-)	Washer, Flat, 0.40b 1.12d .12, Ss	1
45	21195	(003123-)	Screw, Hex, .38-16 X 0.75, G5	2
46	39349	(003123-)	Washer, Flat, 0.31, Sae	2
47	32485	(003123-)	Washer, Flat, 0.38, Sae	1
48	371865	(000000-003122)	Washer, Flat, 0.31, Hardened	2
49	1008640	(003123-)	Bracket Wldt, Alternator, Lower [Gm1.6l]	1

Fig. 27 – Engine Muffler Group (000000–001999)

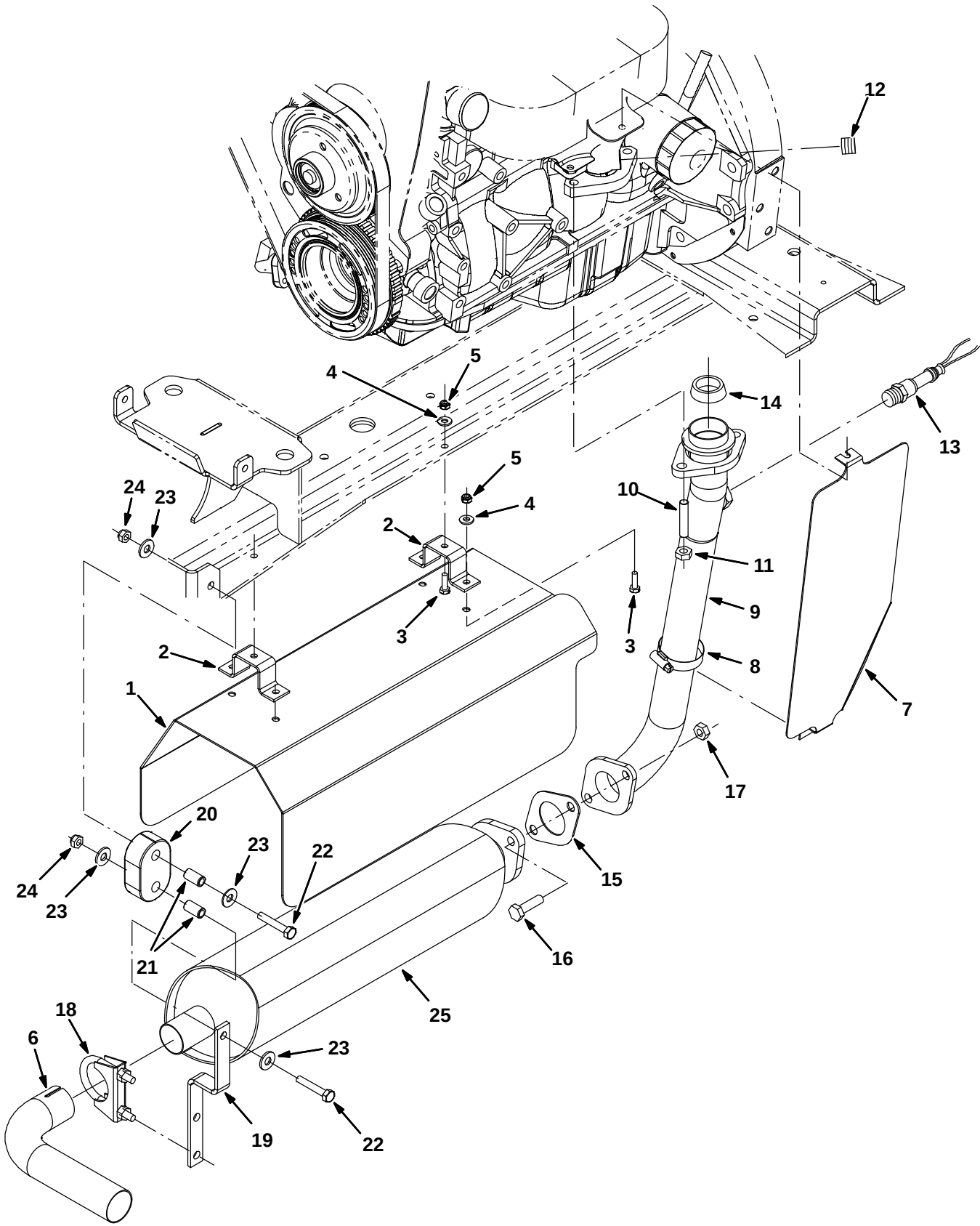


Fig. 27 – Engine Muffler Group (000000–001999)

Ref.	Part No.	Serial Number	Description	Qty.
1	1020602	(000000–001999)	Channel, Shield, Muffler	1
2	1022113	(000000–001999)	Bracket, Retainer, Shield, Heat	2
3	08716	(000000–001999)	Screw, Hex, M6 X 1.0 X 20, Ss	6
4	32483	(000000–001999)	Washer, Flat, 0.25 Sae	6
5	08712	(000000–001999)	Nut, Hex, Lock, M6 X 1.0, Ss, NI	6
6	1021789	(000000–001999)	Tube, Exhaust, 1.5d	1
7	9002394	(000000–001999)	Plate, Shield, Heat, Gas/Lpg, Replmt	1
8	79381	(000000–001999)	Clamp, Hose, Wormdrive, 1.25–2.00D, .50W	1
9	1018142	(000000–001999)	Tube Wldt, Exhaust, Gas/Lpg	1
10	384442	(000000–001999)	Stud, M10 X 1.50 [35]	2
11	08166	(000000–001999)	Nut, Hex, M10 X 1.50 [Stover]	2
12	371860	(000000–001999)	Fitting, Pipe, Plug, Metric, M18,Soc	1
13	372491	(000000–001999)	Sensor, Oxygen	1
14	371861	(000000–001999)	Gasket, Flng, Pipe, Exhaust	1
15	1011216	(000000–001999)	Gasket, Exhaust, 2hole, 3.4bc	1
16	39284	(000000–001999)	Screw, Hex, M10 X 1.5 X 35, 8.8	2
17	08166	(000000–001999)	Nut, Hex, M10 X 1.5 [Stover]	2
18	24012	(000000–001999)	Clamp, Muffler, 1.62d	1
19	1017969	(000000–001999)	Bracket, Muffler, Hanger, Front	1
20	1013031	(000000–001999)	Isolator, Rbr	1
21	222496	(000000–001999)	Sleeve, P/M, 0.31b 0.50d 0.9l [430ss]	2
22	222505	(000000–001999)	Screw, Hex, M8 X 1.25 X 45, Ss	2
23	01685	(000000–001999)	Washer, Flat, 0.31, Ss	4
24	08713	(000000–001999)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	2
25	1022794	(000000–001999)	Muffler, Short [Non–Catalytic Gm1.6/3.0]	1
25	1016624	(000000–001999)	Muffler, Catalytic [Gm 1.6]	1

Fig. 28 – Engine Muffler Group (002000–)

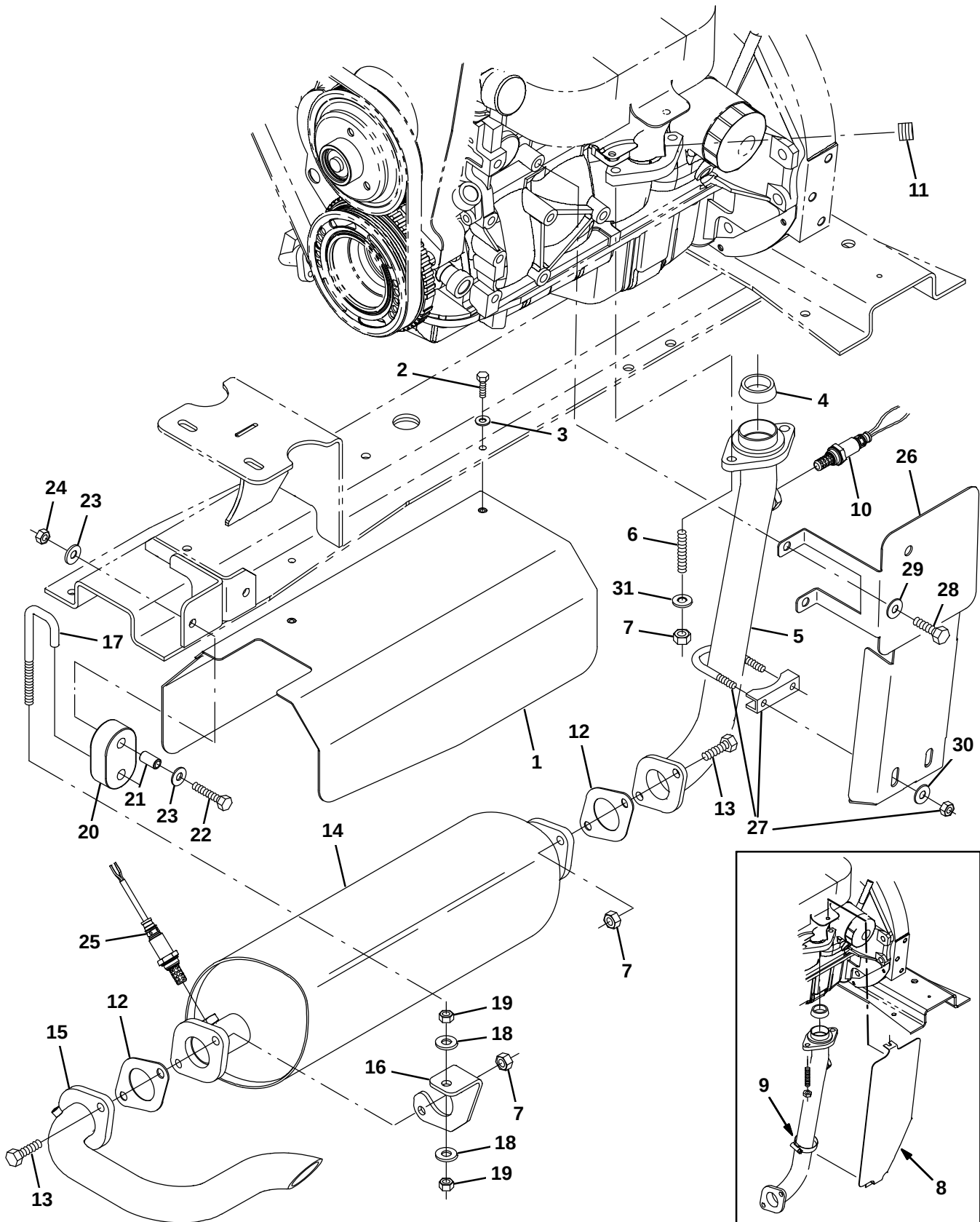


Fig. 28 – Engine Muffler Group (002000–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1028994	(002000–)	Channel, Shield, Muffler [M20/T20 2007]	1
2	08716	(002000–)	Screw, Hex, M6 X 1.0 X 20, Ss	2
3	32483	(002000–)	Washer, Flat, 0.25, Sae	2
4	371861	(002000–)	Gasket, Flng, Pipe, Exhaust	1
5	1018142	(002000–)	Tube Wldt, Exhaust, 1.6d, 2 Flng	1
6	384442	(002000–)	Stud, M10 X 1.50 [35]	2
7	08166	(002000–)	Nut, Hex, M10 X 1.50 [Stover]	6
8	9002394	(002000–002395)	Plate, Shield, Heat, Gas/Lpg, Replmt	1
9	79381	(002000–002395)	Clamp, Hose, Wormdrive, 1.25–2.00D, .50W	1
10	1028559	(002000–003122)	Sensor, Oxygen [Gm 1.6L/3.0L 2007]	1
10	1028558	(003123–)	Sensor, Exhaust, Tailpipe	1
11	371860	(002000–)	Fitting, Pipe, Plug, Metric, M18,Soc	1
12	1011216	(002000–)	Gasket, Exhaust, 2hole, 3.4bc	2
13	39284	(002000–)	Screw, Hex, M10 X 1.5 X 35, 8.8	4
14	1028136	(002000–003122)	Muffler, Catalytic [Gm 1.6l 2007]	1
14	1056241	(003123–)	Muffler, Catalytic [Gm 1.6l 2010]	1
15	1028753	(002000–)	Tube, Exhaust, Flng, 1.5d [M20/T20 2007]	1
16	1028929	(002000–)	Bracket, Mtg, Muffler [M20/T20 2007]	1
17	1013117	(002000–)	Rod, Hanger, Isolator	1
18	32492	(002000–)	Washer, Flat, 0.38, Std	2
19	25014	(002000–)	Nut, Hex, Std, .38–16	2
20	1013031	(002000–)	Isolator, Rbr	1
21	222496	(002000–)	Sleeve, P/M, 0.31b 0.50d 0.9l [430ss]	1
22	222505	(002000–)	Screw, Hex, M8 X 1.25 X 45, Ss	1
23	01685	(002000–)	Washer, Flat, 0.38b 0.88d .08, Ss	2
24	08713	(002000–)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	1
25	1028558	(002000–)	Sensor, Exhaust, Tailpipe	1
26	9003832	(002396–)	Shield, Heat, Gas/Lpg, Replmt	1
26	9004983	(002396–)	Shield, Heat, Gas/Lpg, Replmt (Japan Only)	1
27	24012	(002396–)	Clamp, Muffler, 1.62d	1
28	06961	(002396–)	Screw, Hex, M10 X 1.50 X 20, 8.8	2
29	32485	(002396–)	Washer, Flat, 0.38, Sae	2
30	32491	(002396–)	Washer, Flat, 0.31, Std	2
31	41187	(002000–)	Washer, Flat, Belleville, .38	2

Fig. 29 – Engine Radiator Group (000000–003038)

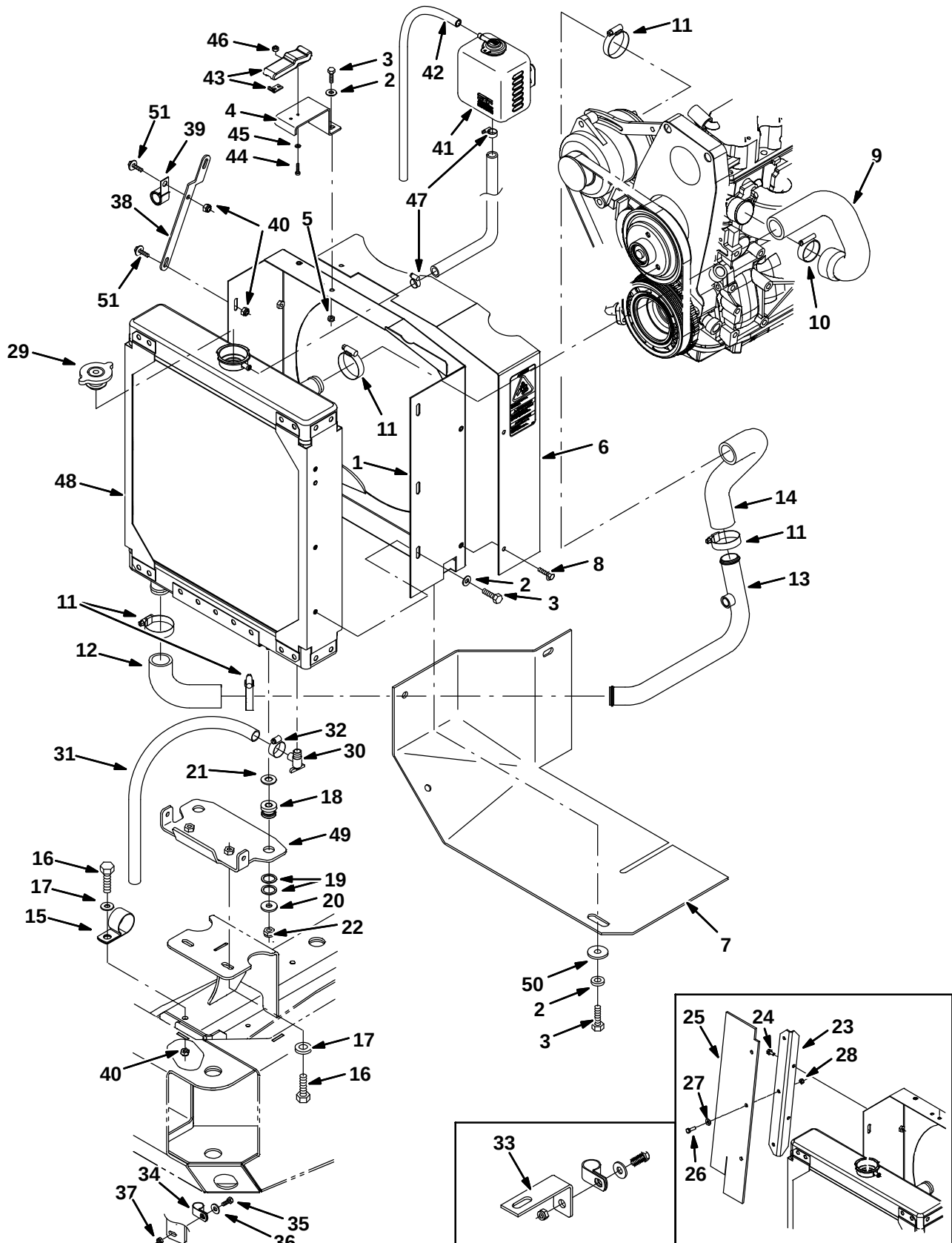


Fig. 29 – Engine Radiator Group (000000–003038)

Ref.	Part No.	Serial Number	Description	Qty.
1	1038499	(000000–003038)	Panel Wldt, Shrd, Fan	1
2	32490	(000000–003038)	Washer, Flat, 0.25 Std	9
3	06942	(000000–003038)	Screw, Hex, M6 X 1.0 X 16, 8.8	13
4	1018463	(000000–003038)	Bracket, Mtg, Latch	1
5	08708	(000000–003038)	Nut, Hex, Lock, M6 X 1.0, NI	5
6	9002393	(000000–003038)	Plate, Guard, Fan Shrd, Gas/Lpg, Replmt	1
7	1035222	(000000–003038)	Skirt, Debris, Eng Radiator	1
8	74455	(000000–003038)	Screw, Hex, M6 X 1.0 X 12, Fmg	3
9	1011799	(000000–003038)	Hose, Radiator, Upper, Mold	1
10	22297	(000000–003038)	Clamp, Hose, Wormdrive, 1.56–2.50d, .50w	1
11	79381	(000000–003038)	Clamp, Hose, Wormdrive, 1.25–2.00D, .50W	7
12	1007482	(000000–003038)	Hose, Rbr, E90 1.25id 1.25id 04.2 03.1	1
13	1019273	(000000–003038)	Tube, Coolant, Lower, 1.3d	1
14	1019265	(000000–003038)	Hose, Radiator, Lower, Mold	1
15	53466	(000000–003038)	Clamp, Cable, Stl, 1.50d X 1.00w, 1h	1
16	39277	(000000–003038)	Screw, Hex, M8 X 1.25 X 25, 8.8	3
17	32491	(000000–003038)	Washer, Flat, 0.31, Std	3
18	54274	(000000–003038)	Isolator, Vib, Bshg, 1.1d 0.6l .4b 0.78h	2
19	09832	(000000–003038)	Washer, Flat, 0.81b 1.06d .06, Stl	4
20	1014563	(000000–003038)	Washer, Flat, 0.40b 1.12d .12, Ss	2
21	32486	(000000–003038)	Washer, Flat, 0.50 Sae	2
22	41430	(000000–003038)	Nut, Hex, Lock, M10 X 1.5, NI	2
23	1027099	(000000–001261)	Plate, Mtg, Seal	1
24	74455	(000000–001261)	Screw, Hex, M6 X 1.0 X 12, Fmg	2
25	1027103	(000000–001261)	Seal, Radiator	1
26	06943	(000000–003038)	Screw, Hex, M6 X 1.0 X 20, 8.8	4
27	32483	(000000–001261)	Washer, Flat, 0.25 Sae	3
28	08708	(000000–001261)	Nut, Hex, Lock, M6 X 1.0, NI	3
29	1045764	(000000–003038)	Cap, Radiator, 14psi [Stant Ao–2516]	1
30	51305	(000000–003038)	Fitting, Draincock, E90, .25npt	1
31	73471	(000000–003038)	Hose, Pvc, Clr, 0.38id 0.56od 22.00l	1
32	43844	(000000–003038)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	1
33	1026003	(000000–002241)	Bracket, Ftg, Bh	1
34	67767	(000000–003038)	Clamp, Cable, Stl, 0.69d X 0.62w, 1h	1
35	09740	(000000–003038)	Screw, Hex, M8 X 1.25 X 20, Ss	1
36	01685	(000000–003038)	Washer, Flat, 0.31, Ss	1
37	08713	(000000–003038)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	1
38	1019968	(000000–003038)	Bracket, Mtg, Radiator	1
39	30407	(000000–003038)	Clip, Keeper, Open	1
40	08709	(000000–003038)	Nut, Hex, Lock, M8 X 1.25, NI	4
41	1023853	(000000–003038)	Tank, Coolant, 04.7 03.3 4.7deep, 1liter	1
42	1015041	(000000–003038)	Hose, Afmkt, Coolant Recvy, 05ft	1
43	49800	(000000–003038)	Latch	1
44	06927	(000000–003038)	Screw, Pan, M4 X 0.70 X 16, 4.8	2
45	19064	(000000–003038)	Washer, Flat, #06	2

STANDARD PARTS

Fig. 29 – Engine Radiator Group (000000–003038)

Ref.	Part No.	Serial Number	Description	Qty.
46	02850	(000000–003038)	Nut, Hex, Lock, M4 X 0.7, NI	2
47	43844	(000000–003038)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	2
48	1018059	(000000–002492)	Radiator (Replaced by 1045316)	1
48	1041291	(002493–003038)	Radiator	1
49	1035976	(001338–003038)	Bracket, Sppt, Radiator, Upper	1
50	41178	(000000–003038)	Washer, Flat, 0.25, Fendr	3
51	1040467	(000000–003038)	Screw, Hex, M6 X 1.0 X 20, 9.8, Sems	2

Fig. 30 – Engine Radiator and Mount Group (003039–)

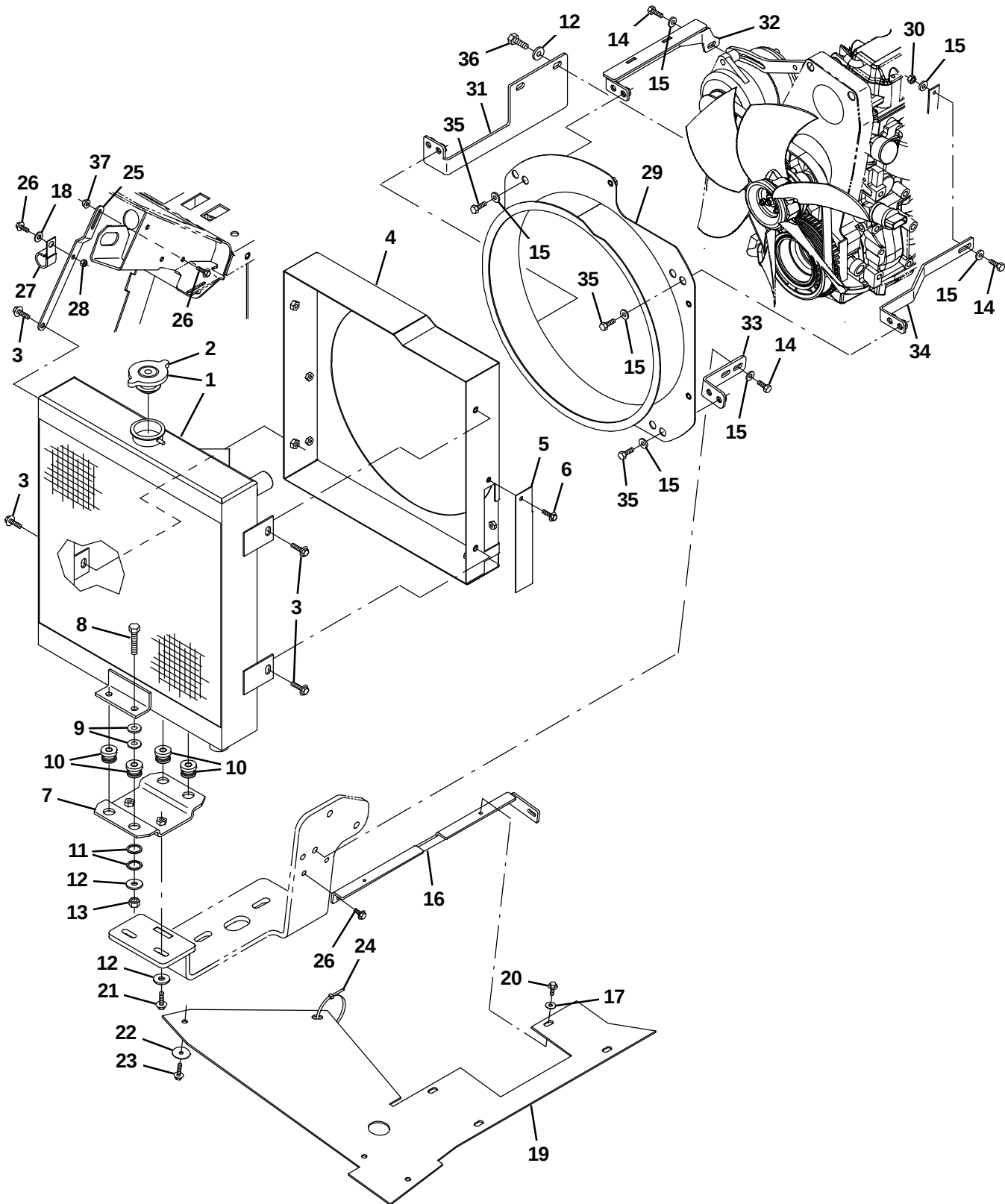


Fig. 30 – Engine Radiator and Mount Group (003039–)

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	1045940	(003039–)	Radiator, W/ Hyd Cooler [Side X Side]	1
▲	2	1045764	(003039–)	Cap, Radiator, 14Psi [Stant]	1
	3	1037346	(003039–)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	4
	4	9006811	(003039–)	Shrd Wldt,Fan,G/Lp, Replmt [M20/M30/T20]	1
	4	9006813	(003039–)	Shrd Wldt,Fan,G/Lp, Replmt [TJ] (Japan Only)	1
	5	1045433	(003039–)	Bracket, Cover	1
	6	1036892	(003039–)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	2
	7	1046962	(003039–)	Bracket, Mtg, Radiator	1
	8	06962	(003039–)	Screw, Hex, M10 X 1.50 X 45, 8.8	4
	9	32492	(003039–)	Washer, Flat, 0.38, Std	8
	10	54274	(003039–)	Isolator, Vib, Bshg, 1.1d 0.6l .4b 0.78h	4
	11	09832	(003039–)	Washer, Flat, 0.81b 1.06d .06, Stl	8
	12	1014563	(003039–)	Washer, Flat, 0.40b 1.12d .12, Ss	6
	13	41430	(003039–)	Nut, Hex, Lock, M10 X 1.5, NI	4
	14	39277	(003039–)	Screw, Hex, M8 X 1.25 X 25, 8.8	4
	15	32491	(003039–)	Washer, Flat, 0.31, Std	12
	16	1043897	(003039–)	Bracket, Skirt, Rbr	1
	17	32483	(003039–)	Washer, Flat, 0.25, Sae	2
	18	32490	(003039–)	Washer, Flat, 0.25, Std	2
	19	1052170	(003039–)	Skirt, Eng Fan, Gas / Lp	1
	20	361339	(003039–)	Screw, Hex, M6 X 1.00 X 16, Fmg	2
	21	1037355	(003039–)	Screw, Hex, M8 X 1.25 X 35, 9.8, Sems	2
	22	41178	(003039–)	Washer, Flat, 0.25, Fendr	3
	23	1036892	(003039–)	Screw, Hex, M6 X 1.00 X 25, 9.8 Sems	3
	24	49266	(003039–)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	1
	25	1019968	(003039–)	Bracket, Mtg, Radiator	1
	26	1040467	(003039–)	Screw, Hex, M6 X 1.00 X 20, 9.8, Sems	4
	27	30407	(003039–)	Clip, Keeper, Open	1
	28	08708	(003039–)	Nut, Hex, Lock, M6 X 1.00, NI	1
	29	1046039	(003039–)	Shroud Wldt, Fan, 16.25d [Side X Side]	1
	30	08165	(003039–)	Nut, Hex, Stover, M8 X 1.25	1
	31	1045419	(003039–)	Bracket, Fan, Rh	1
	32	1045530	(003039–)	Bracket Wldt, Mtg, Fan, Upper	1
	33	1045415	(003039–)	Bracket, Fan, Lh	1
	34	1045447	(003039–)	Bracket, Fan, Upper, Lh	1
	35	16931	(003039–)	Screw, Hex, M8 X 1.25 X 20, 8.8	9
	36	39283	(003039–)	Screw, Hex, M10 X 1.50 X 25, 8.8	2
	37	07790	(003039–)	Nut, Hex, Flng, M6 X 1.00	1

Fig. 31 – Engine Radiator Hose Group (003039–)

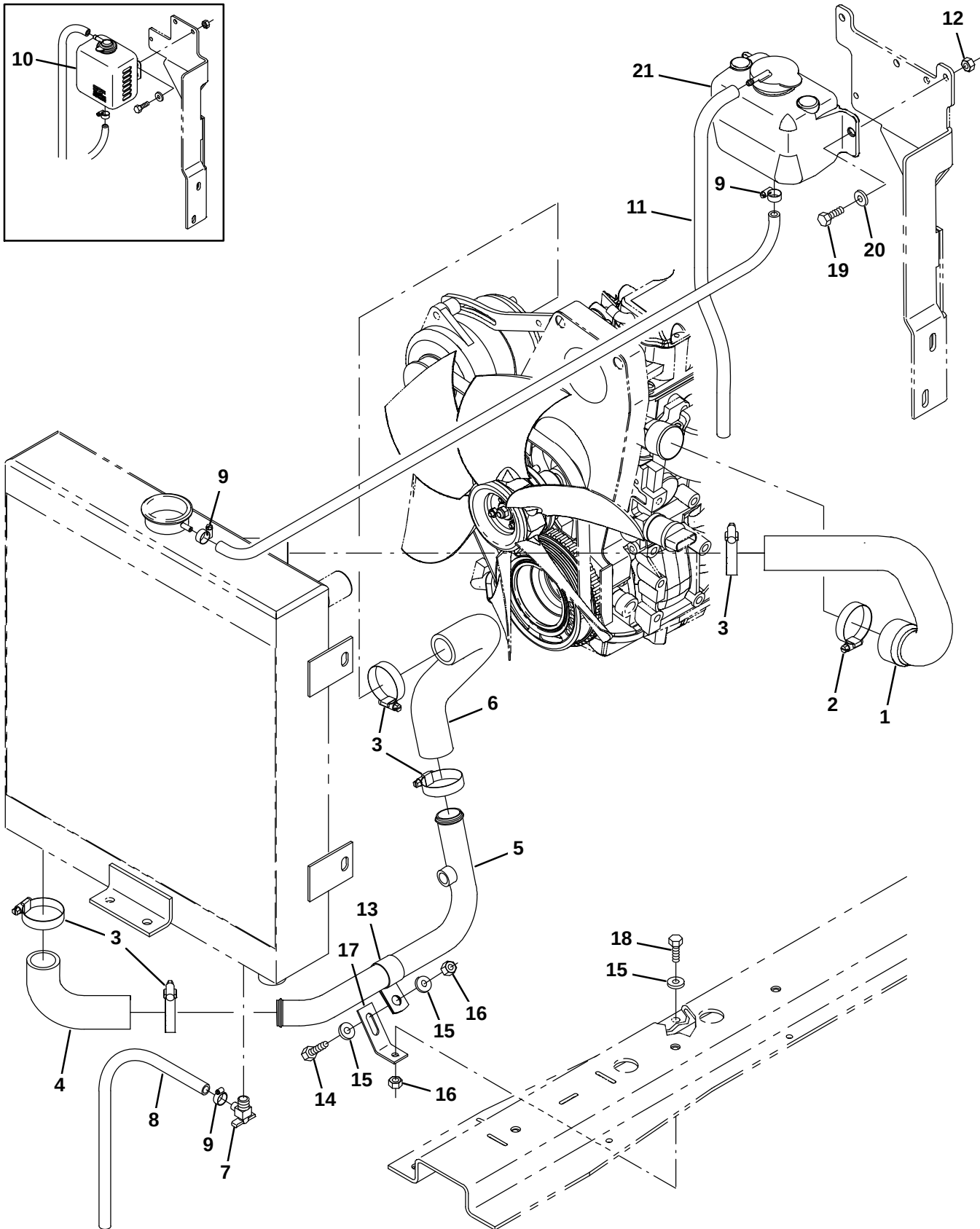


Fig. 31 – Engine Radiator Hose Group (003039–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1014747	(003039–)	Hose, Coolant, Mold, 1.25id To 1.62id	1
2	22297	(003039–)	Clamp, Hose, Wormdrive, 1.56–2.50d, .50w	1
3	79381	(003039–)	Clamp, Hose, Wormdrive, 1.25–2.00d, .50w	5
4	1007482	(003039–)	Hose, Rbr, E90, 1.25id 1.25id 04.2 03.1	1
5	1043322	(003039–)	Tube, Coolant, 1.3d, Lower	1
6	1019265	(003039–)	Hose, Radiator, Lower, Mold	1
7	51305	(003039–)	Fitting, Draincock, E90, .25npt	1
8	73471	(003039–)	Hose, Pvc, Clr, 0.38id 0.56od 022.0l	1
9	43844	(003039–)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	3
10	1023853	(003039–003122)	Tank, Coolant, 03.30w 4.7hi 04.7l, 1liter	1
11	1015041	(003039–003122)	Hose, Afmkt, Coolant Recvy, 05ft	1
11	87738	(003123–)	Hose, Fuel, 0.18id, 29.0l	1
12	08709	(003039–)	Nut, Hex, Lock, M8 X 1.25, NI	2
13	58366	(003039–)	Clamp, Cable, Stl, 1.25d X 1.00w, 1hole	1
14	09010	(003039–)	Screw, Hex, M8 X 1.25 X 25, Ss	1
15	01685	(003039–)	Washer, Flat, 0.38b 0.88d .08, Ss	3
16	08713	(003039–)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	2
17	1035214	(003039–)	Bracket, Tube, Coolant	1
18	09740	(003039–)	Screw, Hex, M8 X 1.25 X 20, Ss	1
19	16931	(003039–)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
20	32491	(003039–)	Washer, Flat, 0.31, Std	2
21	1054382	(003123–)	Tank, Coolant, 03.6w 04.1hi 05.5l, 1liter	1

Fig. 32 – Battery and Electrical Group

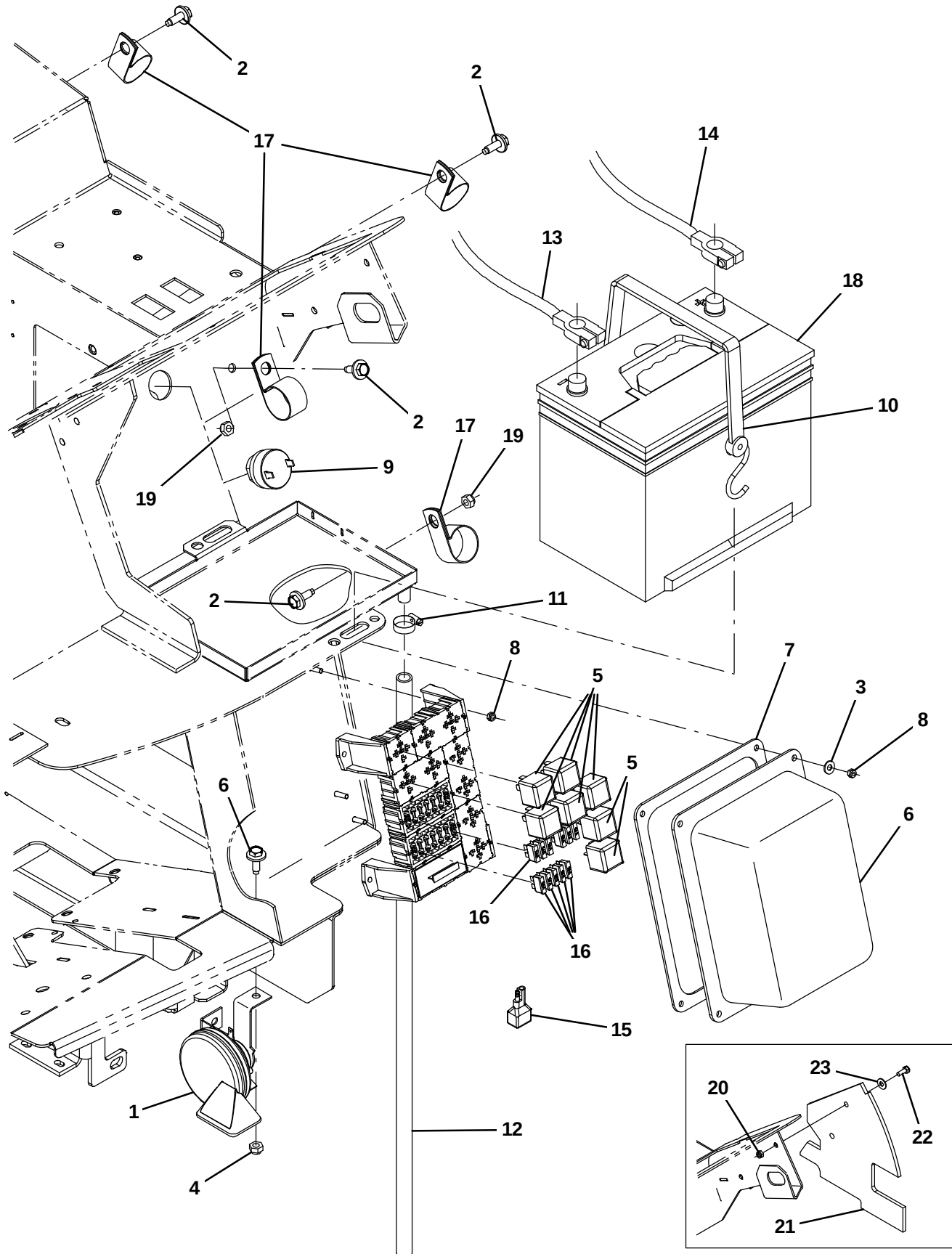


Fig. 32 – Battery and Electrical Group

Ref.	Part No.	Serial Number	Description	Qty.
1	369704	(000000–	) Horn, 12vdc, DbA [Wolo]	1
2	1037346	(000000–	) Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	5
3	19066	(000000–	) Washer, Flat, #10	4
4	08709	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI	1
5	57804	(000000–	) Relay, 12vdc, 40a, Spdt N/O	7
6	1024274	(000000–	) Cover, Fuse, Block	1
7	1026576	(000000–	) Gasket, Cover, Fuse Block	1
8	06549	(000000–	) Nut, Hex, Lock, M5 X 0.8, NI	8
9	1021290	(000000–	) Alarm, Warning [Sonalert, St628]	1
10	33671	(000000–	) Strap, Rbr, Tie-Down, 2/Hooks 19.0l	1
11	54333	(000000–	) Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	1
12	20778	(000000–	) Hose, Pvc, Clr, 0.50id 0.69od 30.00l	1
13	60295	(000000–	) Cable, Battery, 02ga 60.0l Blk .41ring	1
14	68869	(000000–	) Cable, Battery, 02ga 48.0l Red .41ring	1
15	222290	(000000–	) Diode, Ele, Plug	1
16	762514	(000000–	) Fuse, 015a	14
17	53466	(000000–	) Clamp, Cable, Stl, 1.50d X 1.00w, 1h	4
18	10137	(000000–	) Battery, 12vdc, 0475cca, Ah, Wet	1
19	08709	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI	2
20	08708	(000000–001278)	Nut, Hex, Lock, M6 X 1.0, NI	2
21	1027228	(000000–001278)	Seal, Radiator, Upper	1
22	06942	(000000–001278)	Screw, Hex, M6 X 1.0 X 16, 8.8	2
23	32490	(000000–001278)	Washer, Flat, 0.25 Std	2

Fig. 33 - Wheel Group, Front Drive

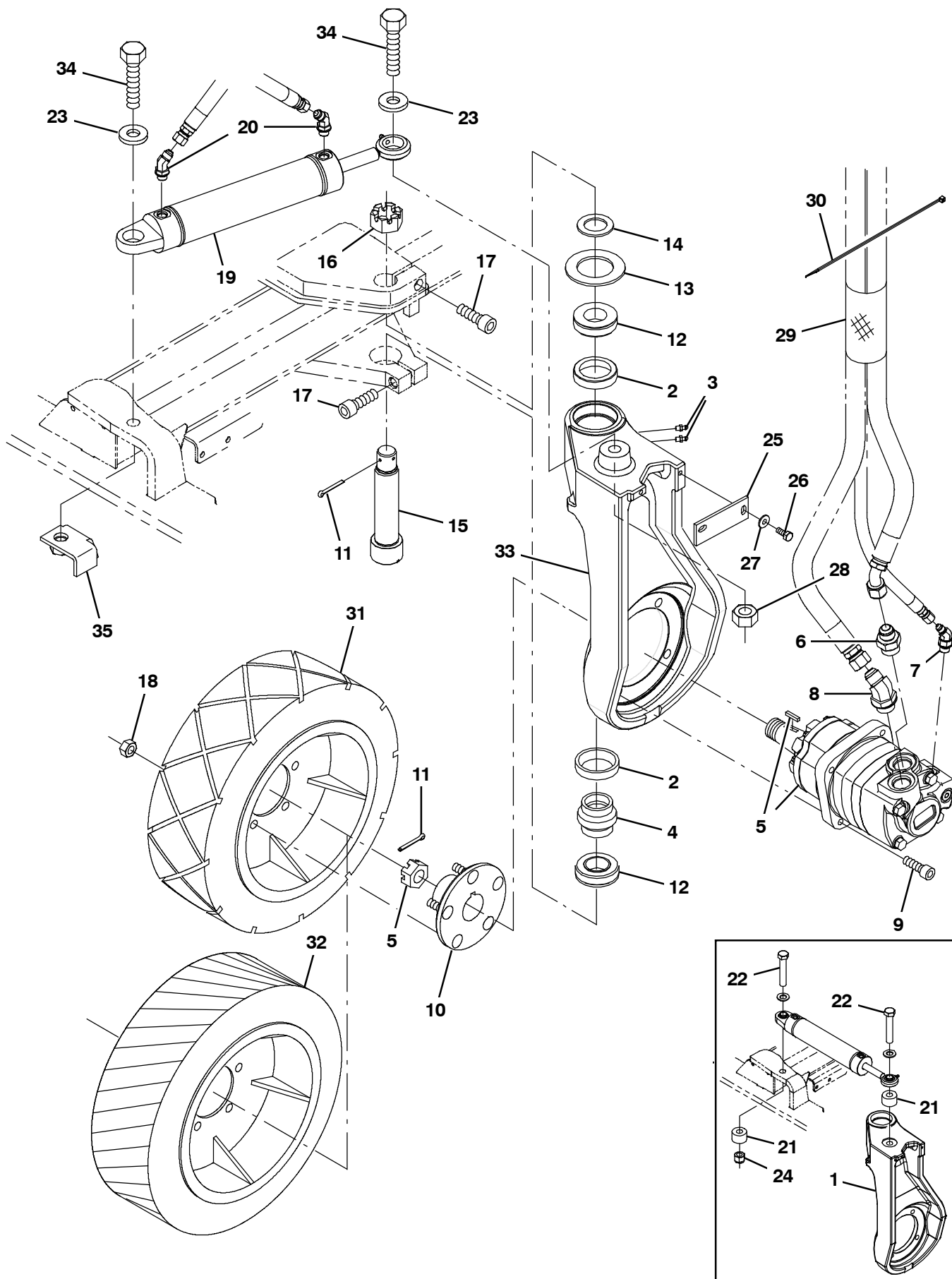


Fig. 33 – Wheel Group, Front Drive

Ref.	Part No.	Serial Number	Description	Qty.	
1	9008248	(000000–003675)	Housing Kit, Drive, Front, Replmt	1	
2	51338	(000000–)	Bearing, Cup, 2.56d 0.55w	2	
3	47801	(000000–)	Fitting, Grease, Str Pm04 .63l	2	
4	374560	(000000–)	Seal, Drive, Rear, Grease Cav	1	
5	379609	(000000–)	Motor, Hyd, Gear, Int 19.0 Bi–Dir 3000 (See Breakdowns)	1	
6	42223	(000000–)	Fitting, Hyd, Str, Jm10/Om12	1	
7	393215	(000000–)	Fitting, Hyd, E45, Jm04/Om06	1	
8	1024249	(000000–)	Fitting, Hyd, E45, Jm10/Om12	1	
9	19583	(000000–)	Screw, Soc, .50–13 X 1.50, Al	4	
▽	10	54087	(000000–)	Hub Assy, Wheel, 5 Bolt 4.50bc Taper B	1
▲		32126	(000000–)	Stud, Wheel, .50–20 X 1.50l, 0.370th	5
11	08180	(000000–)	Pin, Cotter, .125 X 2.00	2	
12	51339	(000000–)	Bearing, Cone, 1.38b 0.71w	2	
13	374563	(000000–)	Washer, Flat, 2.16b 3.50d .16, Felt	1	
14	54051	(000000–)	Washer, Flat, 1.39b 2.12d .13, Stl	1	
15	73281	(000000–)	Bolt, Shld, 1.37d X 5.13l,1.1–18 Drilled	1	
16	54052	(000000–)	Nut, Hex, Sltd, 1.12–18	1	
17	72926	(000000–)	Screw, Soc, M16 X 2.0 X 50, 12.9	2	
18	24339	(000000–)	Nut, Wheel, .50–20 X 60 Angle	5	
19	1017903	(000000–)	Cylinder, Hyd, 2.0b,15.2l,09.00strk,3000	1	
20	47522	(000000–)	Fitting, Hyd, E45, Jm06/Om06	2	
21	71340	(000000–003675)	Tube, Rnd, 1.75d 0.77b 01.1l, Stl, Pntd	2	
22	71341	(000000–003675)	Screw, Hex, .75–10 X 4.00, 5	2	
23	39350	(000000–)	Washer, Flat, 0.75 Sae	2	
24	32987	(000000–003675)	Nut, Hex, Lock, .75–10, NI	1	
25	58842	(000000–)	Bar, Flat, Stl 0.19, 01.50 X 04.1l	1	
26	16931	(000000–)	Screw, Hex, M8 X 1.25 X 20, 8.8	2	
27	32491	(000000–)	Washer, Flat, 0.31, Std	2	
28	32987	(003676–)	Nut, Hex, Lock, .75–10, NI	1	
29	57315	(000000–)	Sleeve, Nyl, #37 05.0l	2	
30	49266	(000000–)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	1	
31	1059343	(000000–)	Tire, Drive, Scrbr, Non–Skid, 18.0X6.0	1	
31	1059346	(000000–)	Tire, Drive, Scrbr, Non–Skid, 16.0x6.0 (Included in Kit 363174) (Optional)	1	
32	1061973	(000000–)	Tire, Drive, Scrbr, Pu, Grey, 18.0X6.0 (Optional Polyurethane)	1	
33	1064086	(003676–)	Housing, Sppt, Rear Wheel	1	
34	77345	(003676–)	Screw, Hex, .75–10 X 3.25, G5	1	
35	1060521	(003676–)	Bracket, Mtg, Sppt	1	

Fig. 34 – Wheel Group, Rear

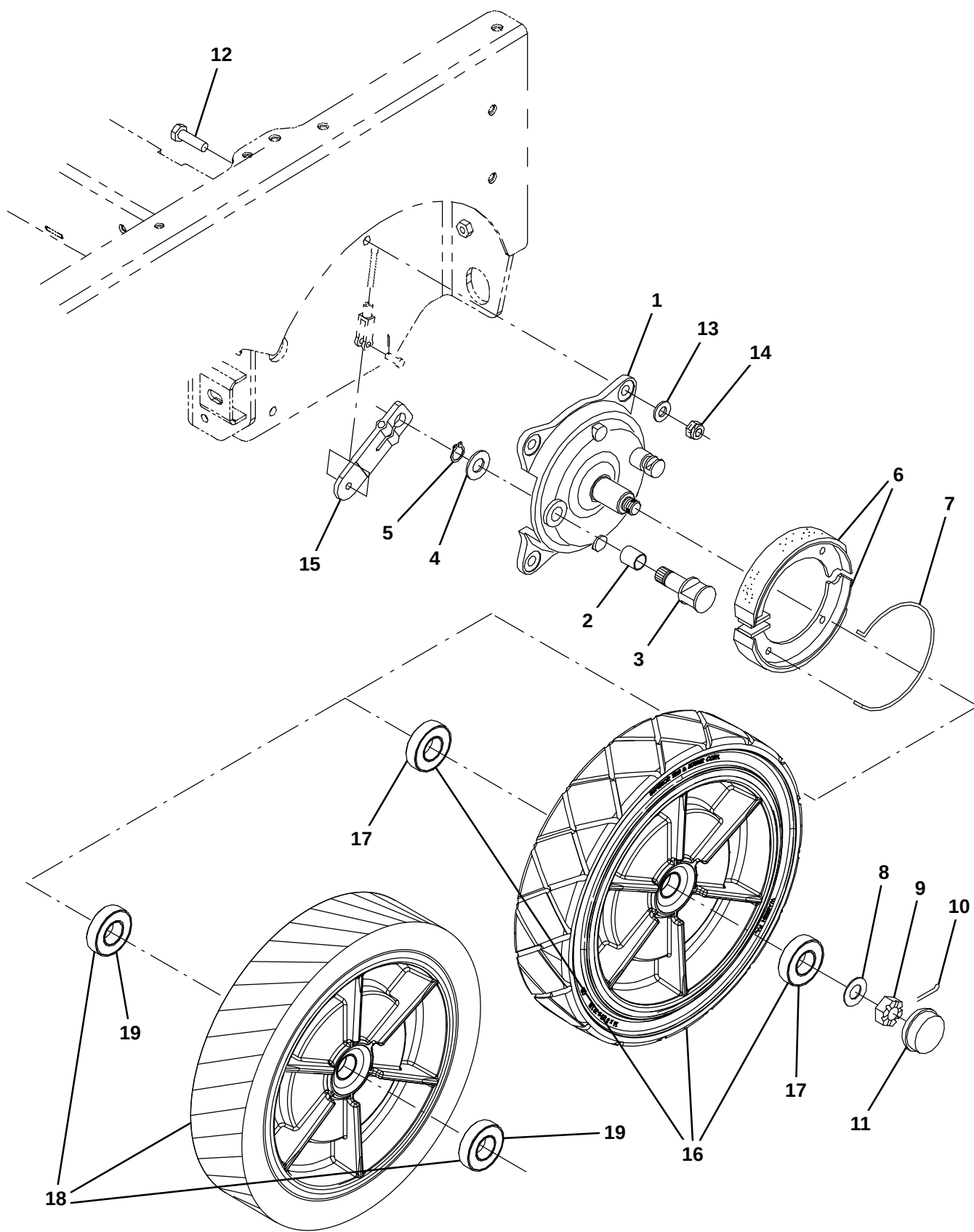


Fig. 34 – Wheel Group, Rear

	Ref.	Part No.	Serial Number	Description	Qty.
▽		360023	(000000–	) Brake Assy, Drum, Mech, 07.0d 1.2w	2
▲	1	360270	(000000–	) Plate, Backing, Brake	1
▲	2	360271	(000000–	) Bushing, Sleeve, 0.78b 0.86d 0.93l, Bnz	1
▲	3	360272	(000000–	) Cam, Plt, Brake [Nickel]	1
▲	4	360273	(000000–	) Washer, Flat, M21.0b X 37d X 3	1
▲	5	360274	(000000–	) Retainer, Ring, Brake	1
▲	6	360275	(000000–	) Shoe, Brake, 180 X 30mm	2
▲	7	360276	(000000–	) Spring, Wir, 0.25d, Return, Brake	1
	8	49145	(000000–	) Washer, Flat, 0.76b 1.50d .06, Ss	2
	9	86659	(000000–	) Nut, Hex, Sltd, .75–16	2
	10	08171	(000000–	) Pin, Cotter, .156 X 2.00	2
	11	54390	(000000–	) Cap, Hub, Dust 2.57d 0.77l	2
	12	06969	(000000–	) Screw, Hex, M12 X 1.75 X 40, 8.8	8
	13	32486	(000000–	) Washer, Flat, 0.50 Sae	8
	14	08711	(000000–	) Nut, Hex, Lock, M12 X 1.75,NI	8
	15	360802	(000000–	) Arm, Lever, Brake, 4.1 [Knott]	2
▽	16	1059671	(000000–	) Tire, Idler, Scrbr, Blk, 16.0X3.5	2
▲	17	360074	(000000–	) Bearing, Ball, 1.18b 2.44d 0.63w	2
▽	16	1059347	(000000–	) Tire, Idler, Scrbr, Non–Skid, 16.0x3.5 (Included in Kit 363174) (Optional)	2
▲	17	360074	(000000–	) Bearing, Ball, 1.18b 2.44d 0.63w	2
▽	18	1061974	(000000–	) Tire, Idler, Scrbr, Pu, Grey, 16.0X3.5 (Optional Polyurethane)	2
▲	19	360074	(000000–	) Bearing, Ball, 1.18b 2.44d 0.63w	2

Fig. 35 – Brake Pedal Linkage Group

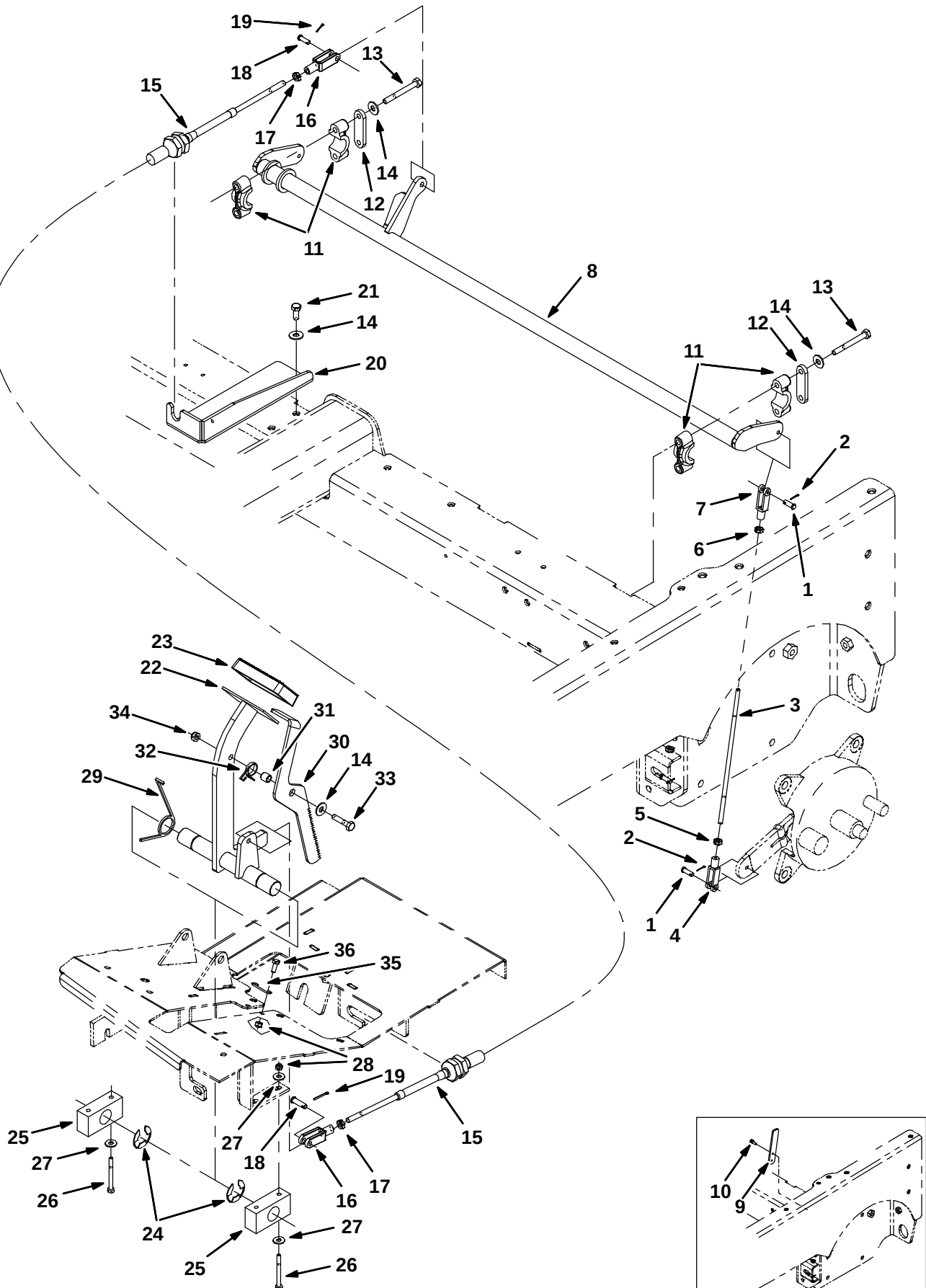
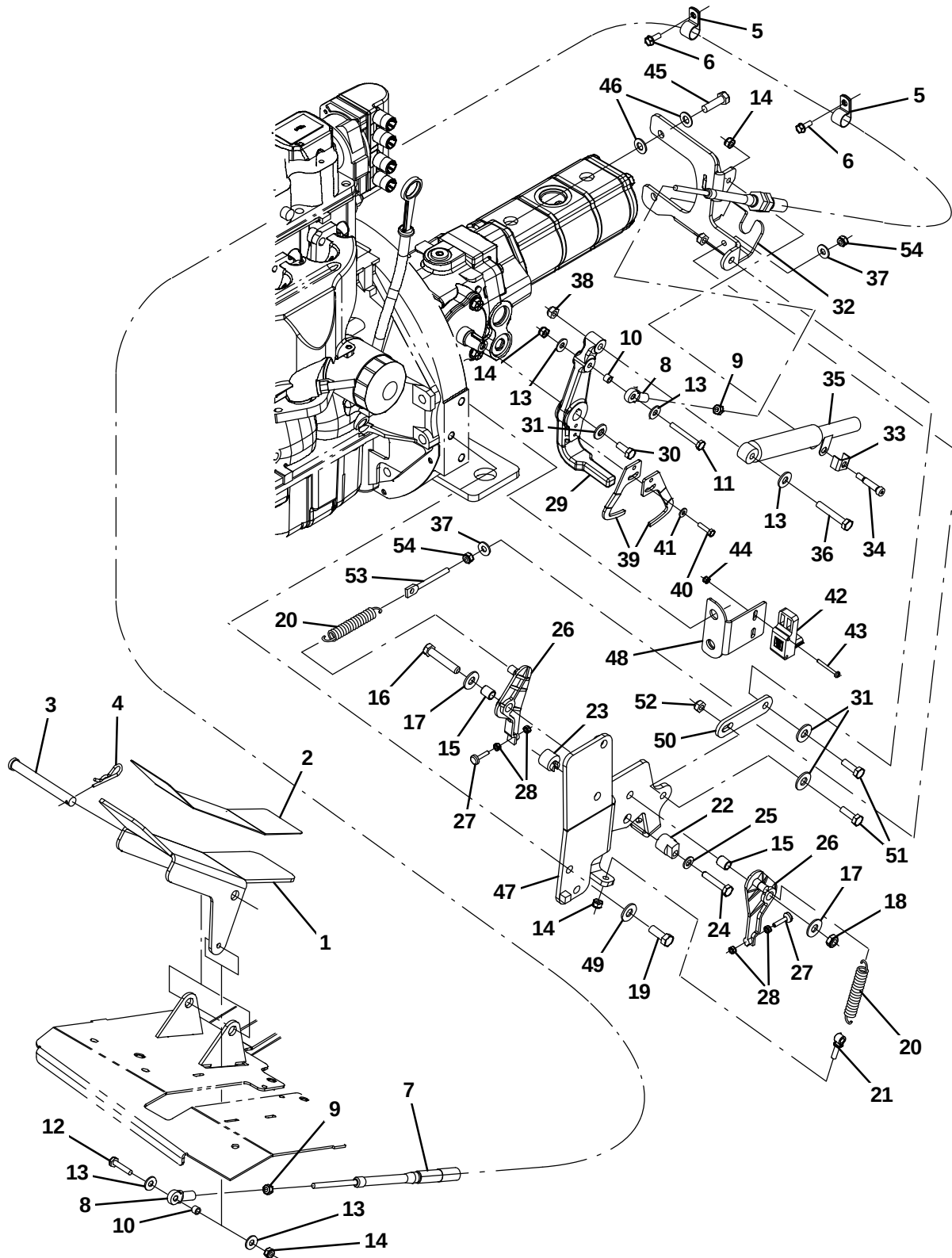


Fig. 35 – Brake Pedal Linkage Group

Ref.	Part No.	Serial Number	Description	Qty.
1	14605	(000000–)	Pin, Clevis, 0.25d X 0.75l	4
2	08170	(000000–)	Pin, Cotter, .062 X 0.50	4
3	364347	(000000–)	Rod	2
4	14595–1	(000000–)	Clevis, Adj, 0.25 Pin, 0.25–28 Rh, Pl	2
5	364948	(000000–)	Nut, Hex, Std, .25–28, Lh	2
6	01714	(000000–)	Nut, Hex, Std, .25–28	2
7	364864	(000000–)	Clevis, Adj, 0.25pin, 0.25–28left Pl	2
8	1022031	(000000–)	Shaft Wldt, Brake	1
9	1026025	(000000–xxxxxx)	Plate, Stop, Brake	2
10	361339	(000000–xxxxxx)	Screw, Hex, M6 X 1.0 X 16, Fmg	4
11	381502	(000000–)	Bearing, Split, 1.00b	4
12	382224	(000000–)	Plate, Sppt	2
13	39279	(000000–)	Screw, Hex, M8 X 1.25 X 70, 8.8	4
14	32491	(000000–)	Washer, Flat, 0.31, Std	7
15	1025495	(000000–)	Cable, Push / Pull, 063.0l 4.0, .31–24	1
16	58311	(000000–)	Clevis, Adj, 0.31pin, 0.31–24	2
17	20170	(000000–)	Nut, Hex, Jam, .31–24	2
18	69582	(000000–)	Pin, Clevis, 0.31d X 1.00l	2
19	08179	(000000–)	Pin, Cotter, .094 X 1.00	2
20	1022736	(000000–)	Bracket, Mtg, Cable	1
21	16931	(000000–)	Screw, Hex, M8 X 1.25 X 20, 8.8	2
22	1022243	(000000–)	Shaft Wldt, Pedal, Brake	1
23	51109	(000000–)	Pad, Pedal, Brake, 3.96l 2.36w 0.75	1
24	23788	(000000–)	Ring, Retaining, Ext, 0.98d, [E–Ring]	2
25	86751	(000000–)	Bearing, Pillowblock, 1.02b [Solid Pye]	2
26	06548	(000000–)	Screw, Hex, M6 X 1.0 X 60, 8.8	4
27	32490	(000000–)	Washer, Flat, 0.25 Std	8
28	08708	(000000–)	Nut, Hex, Lock, M6 X 1.0, NI	6
29	54607	(000000–)	Spring, Tors, 1.13id .12wir 02.3coil Rh	2
30	1025487	(000000–)	Pedal, Brake, Lock	1
31	46563	(000000–)	Bushing, Sleeve, 0.37b 0.50d 0.50l, Oib	1
32	59009	(000000–)	Spring, Tors, 0.75id .06wir 02.8coil	1
33	06955	(000000–)	Screw, Hex, M8 X 1.25 X 35, 8.8	1
34	08709	(000000–)	Nut, Hex, Lock, M8 X 1.25, NI	1
35	71367	(000000–)	Spring, Wir, 0.08d, Brake, Parking	1
36	06942	(000000–)	Screw, Hex, M6 X 1.0 X 16, 8.8	2

Fig. 36 – Directional Pedal and Linkage Group



Ref.	Part No.	Serial Number	Description	Qty.
1	1025140	(000000–)	Pedal, Propel	1
2	58819	(000000–)	Tread, Non-Skid, 03.0w 11.6l	1
3	59668	(000000–)	Pin, Clevis, 0.50 D X 4.50l	1

Fig. 36 – Directional Pedal and Linkage Group

Ref.	Part No.	Serial Number	Description	Qty.
4	08182	(000000–	) Pin, Cotter, .125 X 1.00	1
5	67767	(000000–	) Clamp, Cable, Stl, 0.69d X 0.62w, 1h	2
6	361339	(000000–	) Screw, Hex, M6 X 1.0 X 16, Fmg	2
7	1022345	(000000–	) Cable, Push / Pull, 098.0l .25–28/.25–28	1
8	68866	(000000–	) Rod–End, .25–28rh Fem 0.25b [Teflon]	2
9	01714	(000000–	) Nut, Hex, Std, .25–28	2
10	65441	(000000–	) Tube, 00.38d 00.26b 00.3l Stl Plt	2
11	41399	(000000–	) Screw, Hex, .25–20 X 2.25, Ss	1
12	42180	(000000–	) Screw, Hex, .25–20 X 1.75, Ss	1
13	32490	(000000–	) Washer, Flat, 0.25 Std	5
14	41169	(000000–	) Nut, Hex, Lock, .25–20, NI, Ss	4
15	63234	(000000–	) Tube, 00.50d 00.38b 00.6l Stl	2
16	42467	(000000–	) Screw, Hex, .38–16 X 2.00, Ss	1
17	32492	(000000–	) Washer, Flat, 0.38 Std	2
18	36643	(000000–	) Nut, Hex, Lock, .38–16, NI, Thin	1
19	21197	(000000–	) Screw, Hex, .38–16 X 1.00, 5	2
20	11842	(000000–	) Spring, Extn, 0.75od X 0.12wir, 4.3l	2
21	48079	(000000–	) Bolt, Eye, .25–20 X 1.40 X .25 Eye	1
22	53947	(000000–	) Cam, Centering, Pintle	1
23	54655	(000000–	) Cam, Centering, Pintle	1
24	74440	(000000–	) Screw, Hex, M8 X 1.25 X 40, Ss, NI	1
25	39349	(000000–	) Washer, Flat, 0.31 Sae	1
26	53953	(000000–	) Arm, Cntrl, Pintle, Centering	2
27	54205	(000000–	) Bumper, Rbr, 0.5d 0.16t M5 X 08	2
28	50335	(000000–	) Nut, Hex, Std, M5 X 0.8, 8	4
29	1027233	(000000–	) Arm, Pintle	1
30	83879	(000000–	) Screw, Hex, .31–24 X 0.75, NI	1
31	41186	(000000–	) Washer, Belleville, .31	3
32	1027313	(000000–	) Bracket Wldt, Propel, Pintle	1
33	84170	(000000–	) Bracket, Retainer, Safety	1
34	16213	(000000–	) Bolt, Shld, .31d X 1.00, .25–20	1
35	73411	(000000–	) Shock Absorber, 2.3 Strk	1
36	39278	(000000–	) Screw, Hex, M8 X 1.25 X 50, 8.8	1
37	32491	(000000–	) Washer, Flat, 0.31 Std	2
38	08709	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI	1
39	1022787	(000000–	) Arm [Positioning]	2
40	09252	(000000–	) Screw, Hex, M5 X 0.8 X 20, 8.8	2
41	01683	(000000–	) Washer, Flat, #10 Ss	2
42	1022779	(000000–	) Sensor, Spd / Dir, 6–30vdc	1
43	09198	(000000–	) Screw, Pan, M4 X 0.7 X 35, Ss	2
44	33932	(000000–	) Nut, Hex, Lock, M4 X 0.7, NI, Ss	2
45	46559	(000000–	) Screw, Hex, .38–16 X 1.25, NI	2
46	32485	(000000–	) Washer, Flat, 0.38 Sae	4
47	1022140	(000000–	) Bracket, Propel, Gas/Lpg	1
48	1022798	(000000–	) Bracket, Mtg, Cyl	1
49	41187	(000000–	) Washer, Flat, Belleville, .38	2
50	1032399	(000000–	) Strap, Sppt	1
51	09010	(000000–	) Screw, Hex, M8 X 1.25 X 25, Ss	2
52	08713	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	2
53	386088	(000000–	) Bolt, Eye, M8X1.25, 2.75L	1
54	07786	(000000–	) Nut, Hex, Std, M8 X 1.25, Ss	2

Fig. 37 – Hopper Lift Arms Group

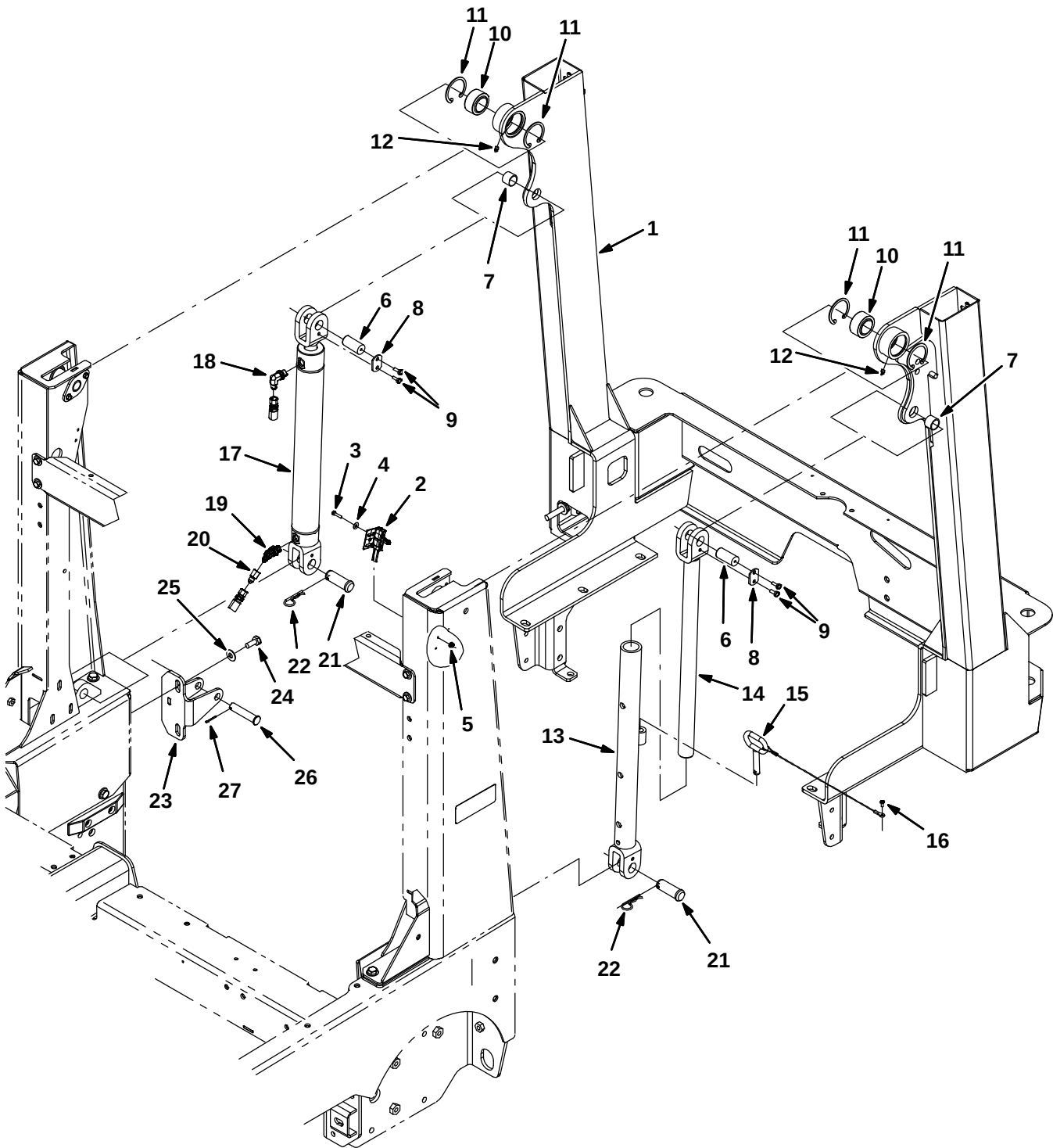


Fig. 37 – Hopper Lift Arms Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1018241	(000000–	) Frame Wldt, Lift, Hppr	1
2	23211	(000000–	) Switch, Snap, 15a No, Rlr	1
3	09252	(000000–	) Screw, Hex, M5 X 0.8 X 20, 8.8	2
4	19066	(000000–	) Washer, Flat, #10	2
5	07789	(000000–	) Nut, Hex, Flng, M5 X 0.8	2
6	1018226	(000000–	) Pin, 0.87d 01.8l, 1/M6 X 1.0, 1cham,Stl	2
7	364587	(000000–	) Bushing, Sleeve, 0.88b 1.00d 0.75l, Bnz	2
8	72897	(000000–	) Plate, Pin, Clevis, Upper	2
9	1040467	(000000–	) Screw, Hex, M6 X 1.0 X 20, 9.8, Sems	4
10	42120–1	(000000–	) Bearing, Self Align, 1.25b 2.00d	2
11	59542	(000000–	) Ring, Retaining, Int, 2.00d	4
12	07259	(000000–	) Fitting, Grease, Str Pm04 .47l	2
13	1018260	(000000–	) Tube Wldt, Arm, Safety	1
14	1018262	(000000–	) Rod Wldt, Arm, Safety	1
15	1018266	(000000–	) Pin, Arm, Safety	1
16	16944	(000000–	) Screw, Hex, M4 X 0.7 X 10, Fmg	1
17	1029646	(000000–	) Cylinder, Hyd, 2.0B 24.1L 15.00Strk 3000	1
18	47638	(000000–	) Fitting, Hyd, E90, Jm04/Om06	1
19	393215	(000000–	) Fitting, Hyd, E45, Jm04/Om06	1
20	1025904	(000000–	) Fitting, Hyd, Rst, Jf04/Jm04, .028	1
21	1018227	(000000–	) Pin, Clevis, 0.88d X 2.25l	2
22	02942	(000000–	) Pin, Cotter, Hair, 0.62d .120 Wir	2
23	1018275	(000000–	) Plate Wldt, Arm, Stop	1
24	09028	(000000–	) Screw, Hex, M10 X 1.5 X 25, Ss	2
25	01686	(000000–	) Washer, Flat, 0.44b 1.00d .08, Ss	2
26	1018276	(000000–	) Pin, Clevis, 0.62d X 2.91l	1
27	08179	(000000–	) Pin, Cotter, .094 X 1.00	1

Fig. 38 – Hopper and Debris Screen Group

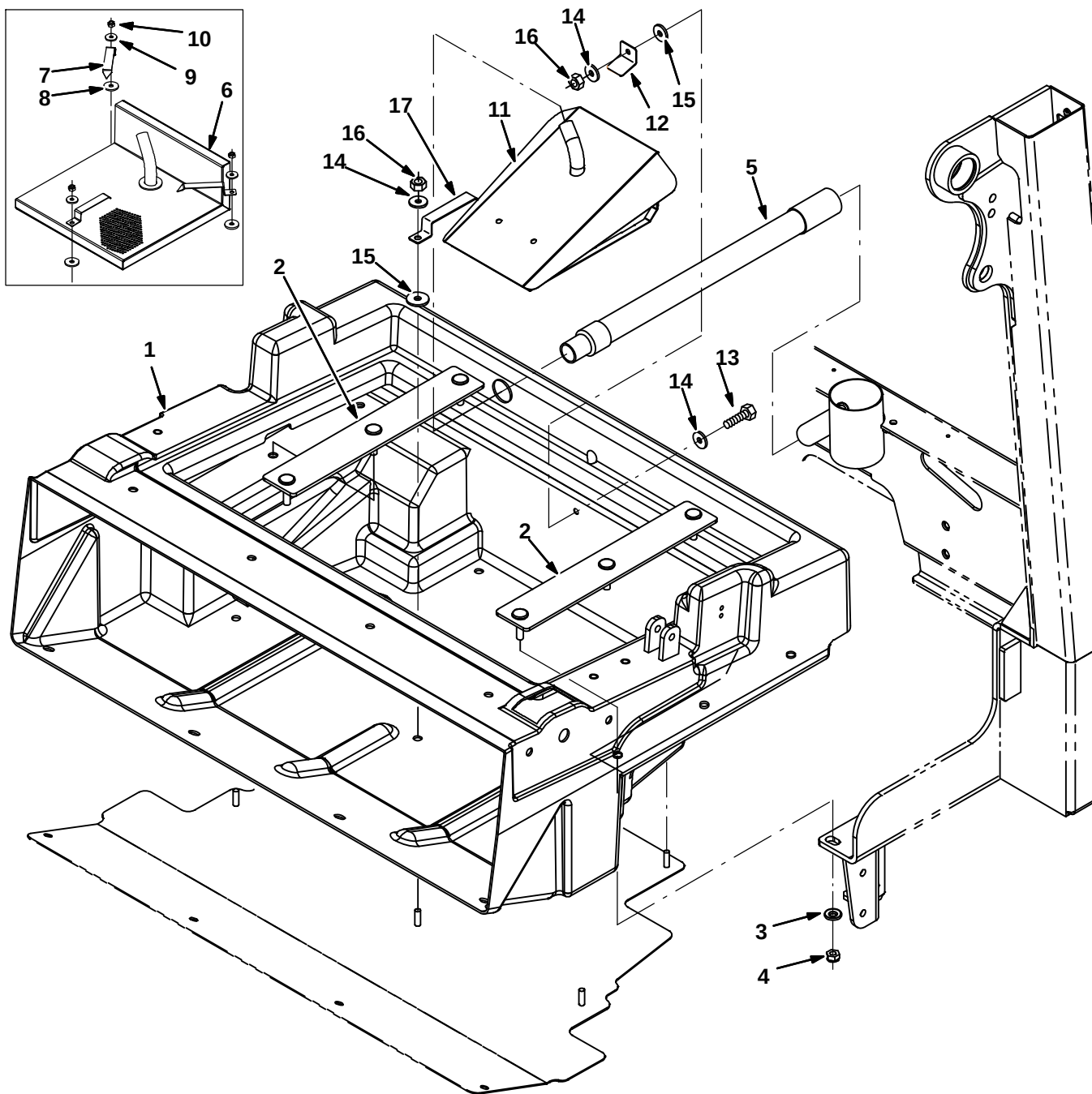


Fig. 38 – Hopper and Debris Screen Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1018300	(000000–	) Hopper, Debris, Rm–Hg, Trimmed	1
2	1018272	(000000–	) Bar, Mtg, Hppr	2
3	763042	(000000–	) Washer, Flat, Belleville, M10	6
4	08714	(000000–	) Nut, Hex, Lock, M10 X 1.5, NI, Ss	6
5	1018239	(000000–	) Hose Assy, W/1cuff, 1.0d 09I 1.0/	1
6	1018235	(000000–002280	) Filter Wldt, Hppr (Replaced By 9003774)	1
7	1018258	(000000–002280	) Spring, Flat, Retainer, Screen	3
8	222268	(000000–002280	) Washer, Flat, 0.38b 1.25d .12, Neo	3
9	1017218	(000000–002280	) Washer, Flat, 0.32b 1.00d .12, Ss	3
10	08713	(000000–002280	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	3
11	1039163	(002281–	) Screen Wldt, Hppr	1
12	1039215	(002281–	) Angle, Retainer	1
13	09010	(002281–	) Screw, Hex, M8 X 1.25 X 25, Ss	1
14	1017218	(002281–	) Washer, Flat, 0.32b 1.00d .12, Ss	3
15	222268	(002281–	) Washer, Flat, 0.38b 1.25d .12, Neo	2
16	08713	(002281–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	2
17	1044323	(002281–	) Spring, Flat, Retainer, Angled Screen	1

Fig. 39 – Hopper Cover and Dust Filter Group

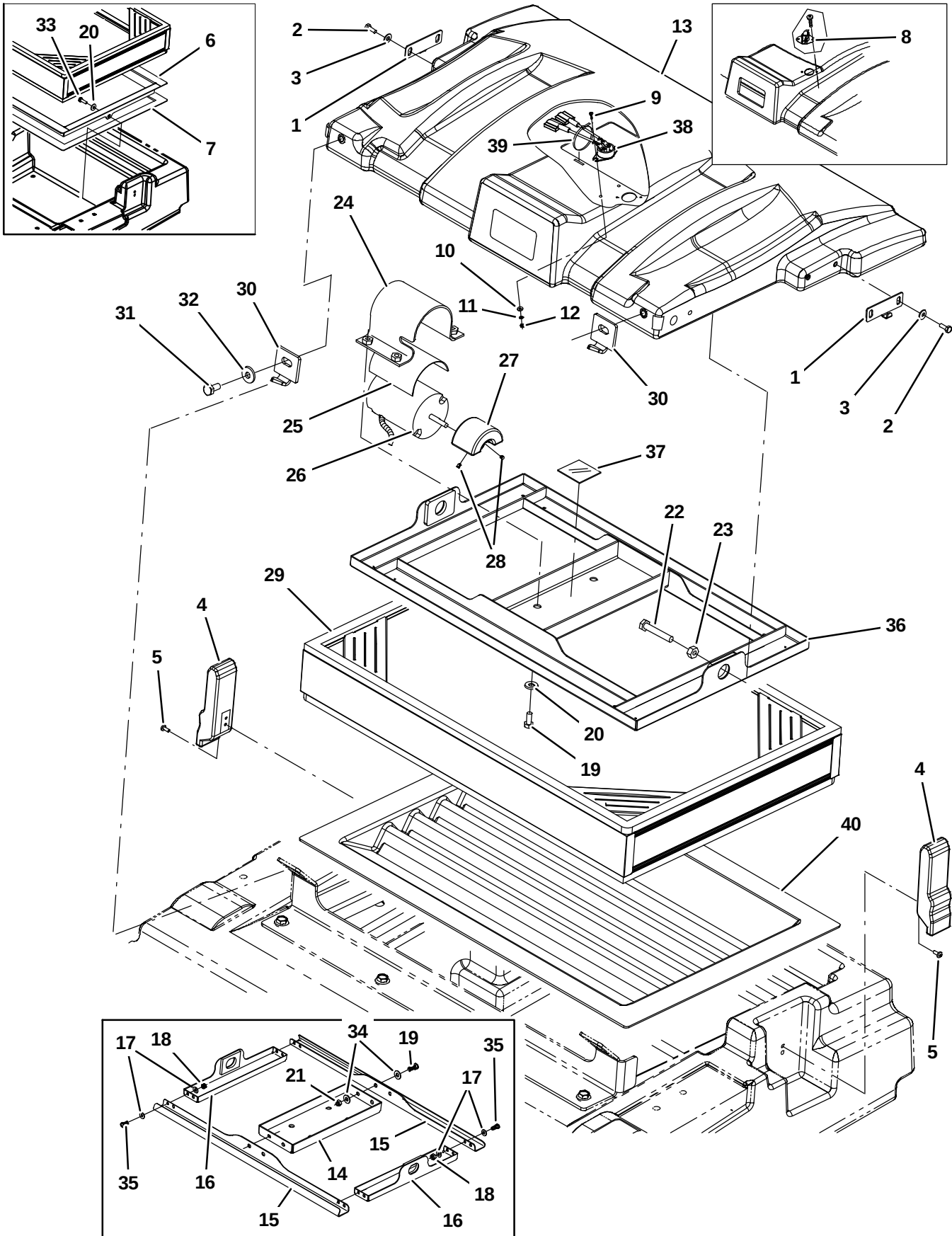


Fig. 39 – Hopper Cover and Dust Filter Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1041984	(000000–)	Bracket, Cover, Hppr	2
2	15678	(000000–)	Screw, Hex, M6 X 1.0 X 16, Ss	4
3	01684	(000000–)	Washer, Flat, 0.25, Ss	4
4	360824	(000000–)	Latch	2
5	09200	(000000–)	Screw, Pan, M5 X 0.8 X 12, Ss	4
6	1033591	(000000–002048)	Tray Wldt, Perma–filter (Replaced By none)	1
7	1015220	(000000–002048)	Seal, Afmkt, Ure, Adh, 0.38, 0.75w 08ft (Replaced By none)	1
8	367679	(000000–002040)	Switch, Thermal, 160Deg, Spdt (Replaced by 9003444)	1
9	06922	(000000–)	Screw, Pan, M3 X 0.5 X 20, 4.8	2
10	19064	(000000–)	Washer, Flat, #06	2
11	32975	(000000–)	Washer, Lock, Int, #06	2
12	01754	(000000–)	Nut, Hex, Std, M3 X 0.5, 8	2
13	1041006	(000000–)	Cover, Hppr	1
14	1018203	(000000–001356)	Plate, Shagr	1
15	360952	(000000–001356)	Plate, Shagr, Bar	2
16	1017944	(000000–001356)	Plate Wldt, Shagr, Side	2
17	32483	(000000–001356)	Washer, Flat, 0.25 Sae	16
18	08712	(000000–001356)	Nut, Hex, Lock, M6 X 1.0, Ss, NI	8
19	09740	(000000–)	Screw, Hex, M8 X 1.25 X 20, Ss	8
20	01685	(000000–)	Washer, Flat, 0.31, Ss	6
21	08713	(000000–)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	4
22	06957	(000000–002040)	Screw, Hex, M8 X 1.25 X 60, 8.8	2
22	06963	(002041–)	Screw, Hex, M10 X 1.50 X 60, 8.8	2
23	39311	(000000–002040)	Nut, Hex, Std, M8 X 1.25	2
23	39312	(002041–)	Nut, Hex, Std, M10 X 1.50	2
24	1037671	(000000–)	Strap, Mtg, Motor, .124.00W	1
25	36658	(000000–)	Strip, Rbr, 0.06 04.00w 05.0l Neo/60	1
26	1041920	(000000–003408)	Motor, Ele [12vdc, Shaker]	1
26	1059542	(003409–)	Motor, Ele 12Vdc, Shagr	1
27	1049242	(000000–003408)	Weight, Eccentric	1
27	1053320	(003409–)	Weight, Eccentric	1
28	20634	(000000–)	Screw, Set, #10–24 X 0.25, NI	2
29	1048295AM	(000000–)	Filter, Panl, Syn, 4.2 X 20.0 X 30.0	1
30	1018207	(000000–)	Bar, Mtg, Hppr Cover	2
31	09291	(000000–)	Screw, Hex, M10 X 1.5 X 20, Ss	2
32	1014563	(000000–)	Washer, Flat, 0.40b 1.12d .12, Ss	2
33	39277	(000000–)	Screw, Hex, M8 X 1.25 X 25, 8.8	2
34	01685	(000000–001356)	Washer, Flat, 0.31, Ss	8
35	15678	(000000–001356)	Screw, Hex, M6 X 1.0 X 16, Ss	8
36	1037235	(001357–)	Shaker Wldt	1
37	36661	(001357–)	Strip, Rbr, 0.06 01.00W 04.0L	1
38	1036611	(002041–003478)	Switch, Temp [160F]	1
38	1056298	(003479–)	Switch, Temp, Sealed, Nc	1
39	763116	(002041–)	Tie, Cable, Nyl, 15.3L . W 4.5 Max D	1
40	1037947	(002140–)	Tray, Perma–Filter	1

Fig. 40 – Hopper Bumper Group

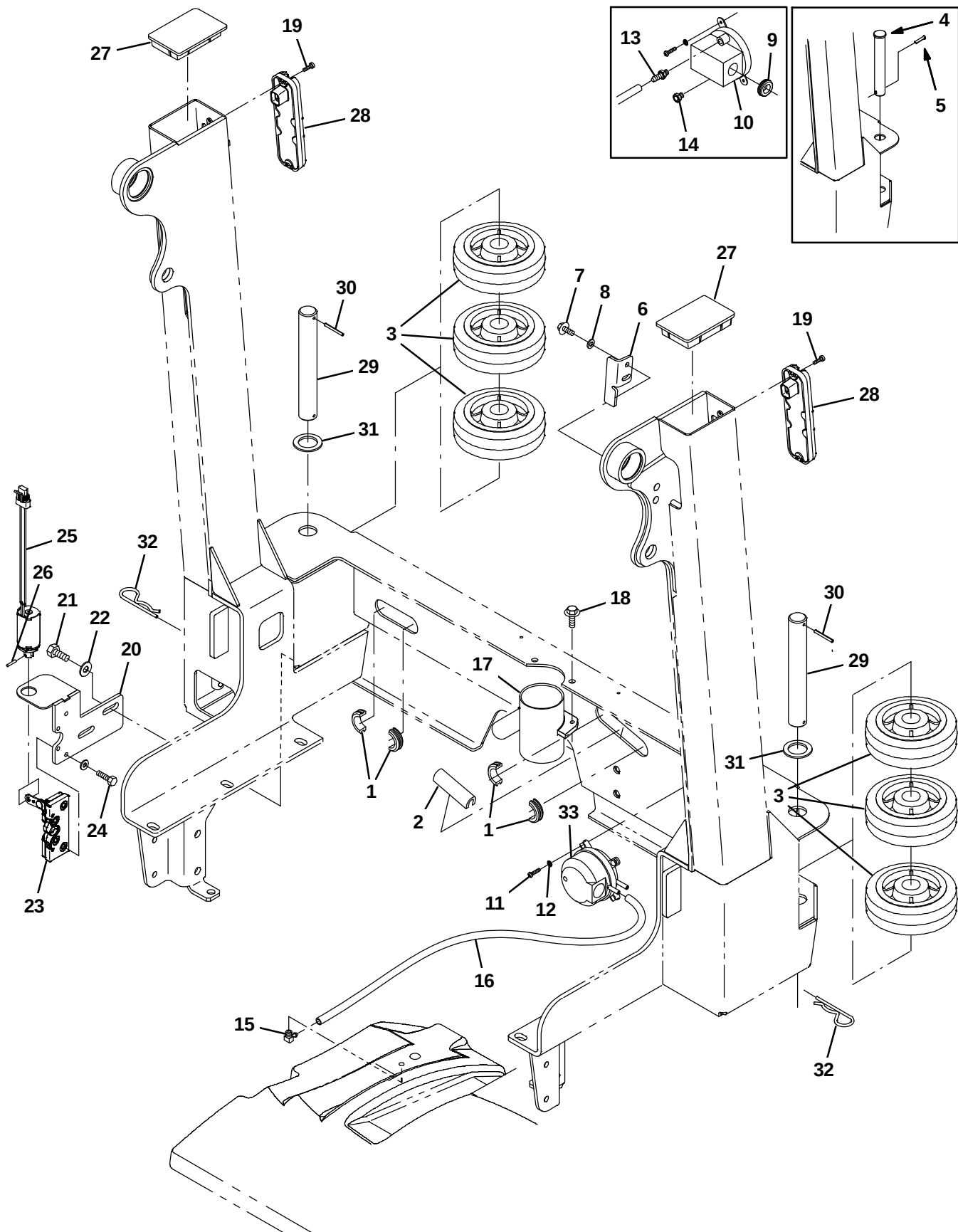


Fig. 40 – Hopper Bumper Group

Ref.	Part No.	Serial Number	Description	Qty.
1	10632-1	(000000-xxxxxx)	Grommet, Rbr, 1.06id, F/1.4h, .19 Matl	2
1	10632-13	(xxxxxx-)	Grommet, Rbr, 1.50id, F/1.8h, .19 Matl	2
2	50646	(000000-)	Molding, Trim, Pvc,.18-.31 07.5l	1
3	1021047	(000000-)	Wheel, 06.0d 2.00w 1.19b, Gray Rbr	6
4	9006334	(000000-003062)	Pin Kit, Wheel, Ci [M20/T20/M30]	2
5	08171	(000000-003062)	Pin, Cotter, .156 X 2.00	2
6	1018240	(000000-)	Bracket, Mtg, Switch	1
7	361339	(000000-)	Screw, Hex, M6 X 1.0 X 16, Fmg	2
8	32483	(000000-)	Washer, Flat, 0.25 Sae	2
9	10632-4	(000000-003259)	Grommet, Rbr, 0.62id, F/0.9h, .06 Matl	1
10	39924	(000000-003259)	Switch, Press, Spdt 0008psi	1
11	12323	(000000-)	Screw, Pan, M4 X 0.7 X 20, Ss	2
12	02938	(000000-)	Washer, Lock, Int, #08, Ss	2
13	40607	(000000-003259)	Fitting, Brs, Str, Bm03/Pm02	1
14	82739	(000000-003259)	Fitting, Brs, Breather [02mp]	1
15	32183	(000000-)	Fitting, Brs, E90, Pm02/Bm03	1
16	1031575	(000000-)	Hose, Afmkt, Vacuum, 0.16id, 03ft	1
17	1036240	(000000-)	Tube, Vacuum	1
18	1037346	(000000-)	Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	2
19	06928	(000000-)	Screw, Pan, M4 X 0.7 X 20, 4.8	4
20	1018280	(000000-)	Plate Wldt, Mtg, Solenoid	1
21	09028	(000000-xxxxxx)	Screw, Hex, M10 X 1.5 X 25, Ss	2
21	12309	(xxxxxx-)	Screw, Hex, M12 X 1.75 X 30, Ss	2
22	32492	(000000-xxxxxx)	Washer, Flat, 0.38 Std	2
22	32486	(xxxxxx-)	Washer, Flat, 0.50, Sae	2
23	21623	(000000-)	Latch	1
24	06944	(000000-)	Screw, Hex, M6 X 1.0 X 25, 8.8	4
25	1018274	(000000-)	Solenoid, Pull, 12vdc, Damper	1
26	20021	(000000-)	Pin, Roll, .125 D X 0.75l, .125/.129	1
27	1018293	(000000-)	Cap, Arm, Lift	2
28	1018208	(000000-)	Light, Tail, 12vdc	2
29	1053838	(003063-)	Pin, 30mmd X 215mml	2
30	23146	(003063-)	Pin, Roll, .187d X 1.62l, .187/.192	2
31	1062566	(003063-)	Washer, Flat, 1.26B 1.88D .13, Stl, Pl	2
32	34411	(003063-)	Pin, Cotter, Hair, 1.00d .178 Wir	2
33	1052885	(003260-)	Switch, Press, Adj [4-16 In Wtr]	1

Fig. 41 – Hopper Door Group (000000-003061)

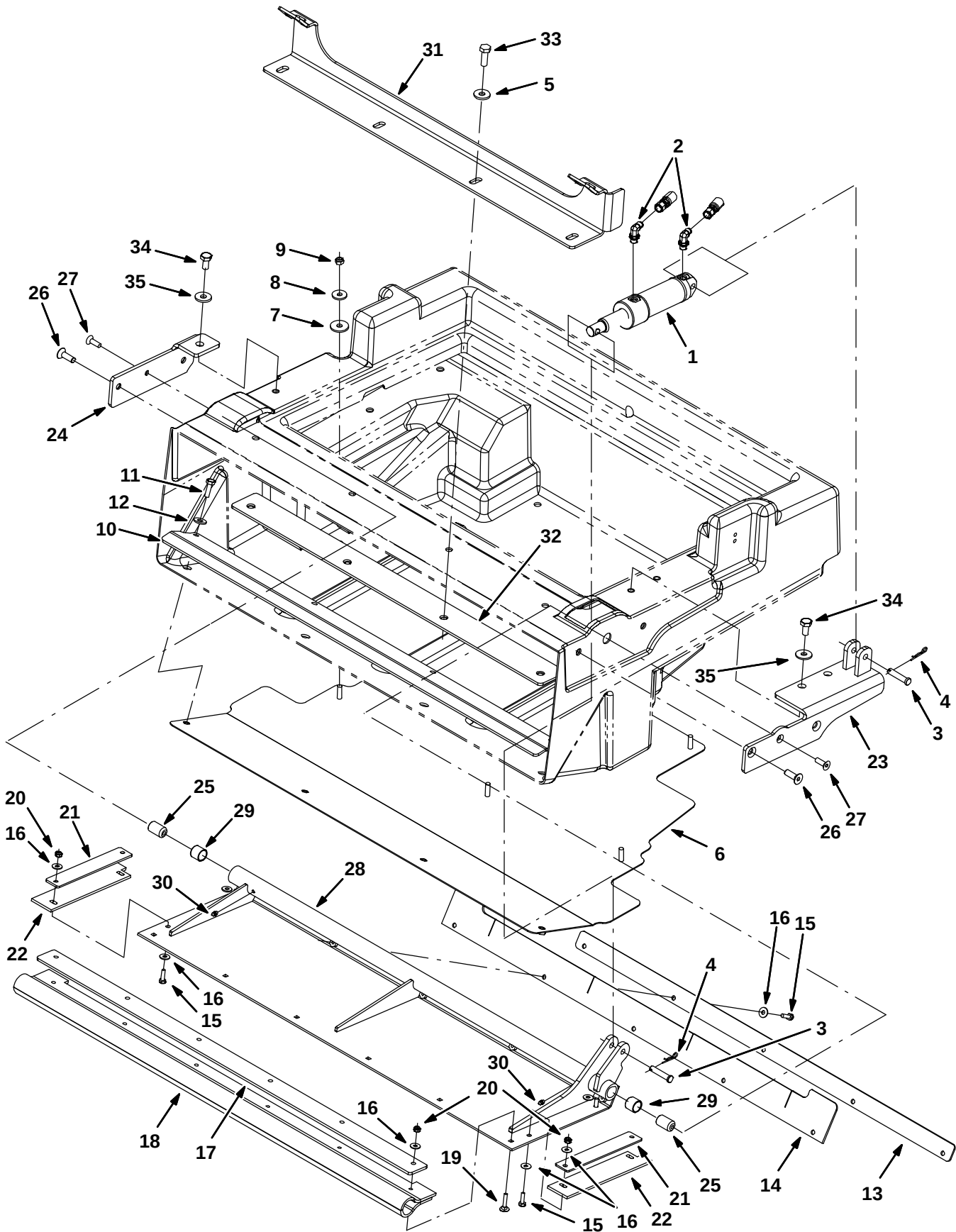


Fig. 41 – Hopper Door Group (000000–003061)

Ref.	Part No.	Serial Number	Description	Qty.
1	1021941	(000000–003061)	Door Cyl, Hppr [Mako]	1
2	77097	(000000–003061)	Fitting, Hyd, E90, Jm04/Om04	2
3	17461	(000000–003061)	Pin, Clevis, 0.37d X 1.75l	2
4	08179	(000000–003061)	Pin, Cotter, .094 X 1.00	2
5	1014563	(000000–003061)	Washer, Flat, 0.40b 1.12d .12, Ss	4
6	1018237	(000000–003061)	Plate, Bottom, Hppr	1
7	222268	(000000–003061)	Washer, Flat, 0.38b 1.25d .12, Neo	2
8	1017218	(000000–003061)	Washer, Flat, 0.32b 1.00d .12, Ss	2
9	08713	(000000–003061)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	2
10	1018236	(000000–003061)	Bracket, Lip, Hppr	1
11	09010	(000000–003061)	Screw, Hex, M8 X 1.25 X 25, Ss	4
12	01685	(000000–003061)	Washer, Flat, 0.31, Ss	4
13	1018244	(000000–003061)	Strap, Door, Dump	1
14	1018245	(000000–003061)	Seal, Door, Dump	1
15	08716	(000000–003061)	Screw, Hex, M6 X 1.0 X 20, Ss	9
16	01684	(000000–003061)	Washer, Flat, 0.25, Ss	19
17	1018196	(000000–003061)	Plate, Retainer, Door, Dump	1
18	1018197	(000000–003061)	Seal, Door, Dump	1
19	379791	(000000–003061)	Bolt, Carriage, M06 X 1.0 X 30	6
20	08712	(000000–003061)	Nut, Hex, Lock, M6 X 1.0, Ss, NI	10
21	1018194	(000000–003061)	Strap, Door, Dump, Side	2
22	1018199	(000000–003061)	Seal, Door, Dump, Side	2
23	1018210	(000000–003061)	Bracket Wldt, Pivot, Hppr Door, Lh	1
24	1018202	(000000–003061)	Bracket, Pivot, Hppr Door, Rh	1
25	1018193	(000000–003061)	Bushing, Pivot, Door	2
26	395825	(000000–003061)	Screw, Flt, M10 X 1.5 X 30, Ss 18–8	4
27	07810	(000000–003061)	Screw, Flt, M8 X 1.25 X 25, 10.9	2
28	1016463	(000000–003061)	Door Wldt, Hppr	1
29	64379	(000000–003061)	Bushing, Sleeve, 0.75b 0.88d 0.75l, Tef	2
30	07259	(000000–003061)	Fitting, Grease, Str Pm04 .47l	2
31	1044993	(000000–003061)	Bracket, Cover, Hopper	1
32	1018253	(000000–003061)	Bracket, Cover	1
33	12317	(000000–003061)	Screw, Hex, M10 X 1.5 X 30, Ss	4
34	09291	(000000–003061)	Screw, Hex, M10 X 1.5 X 20, Ss	3
35	1014563	(000000–003061)	Washer, Flat, 0.40b 1.12d .12, Ss	3

Fig. 42 – Hopper Door Group (003062–)

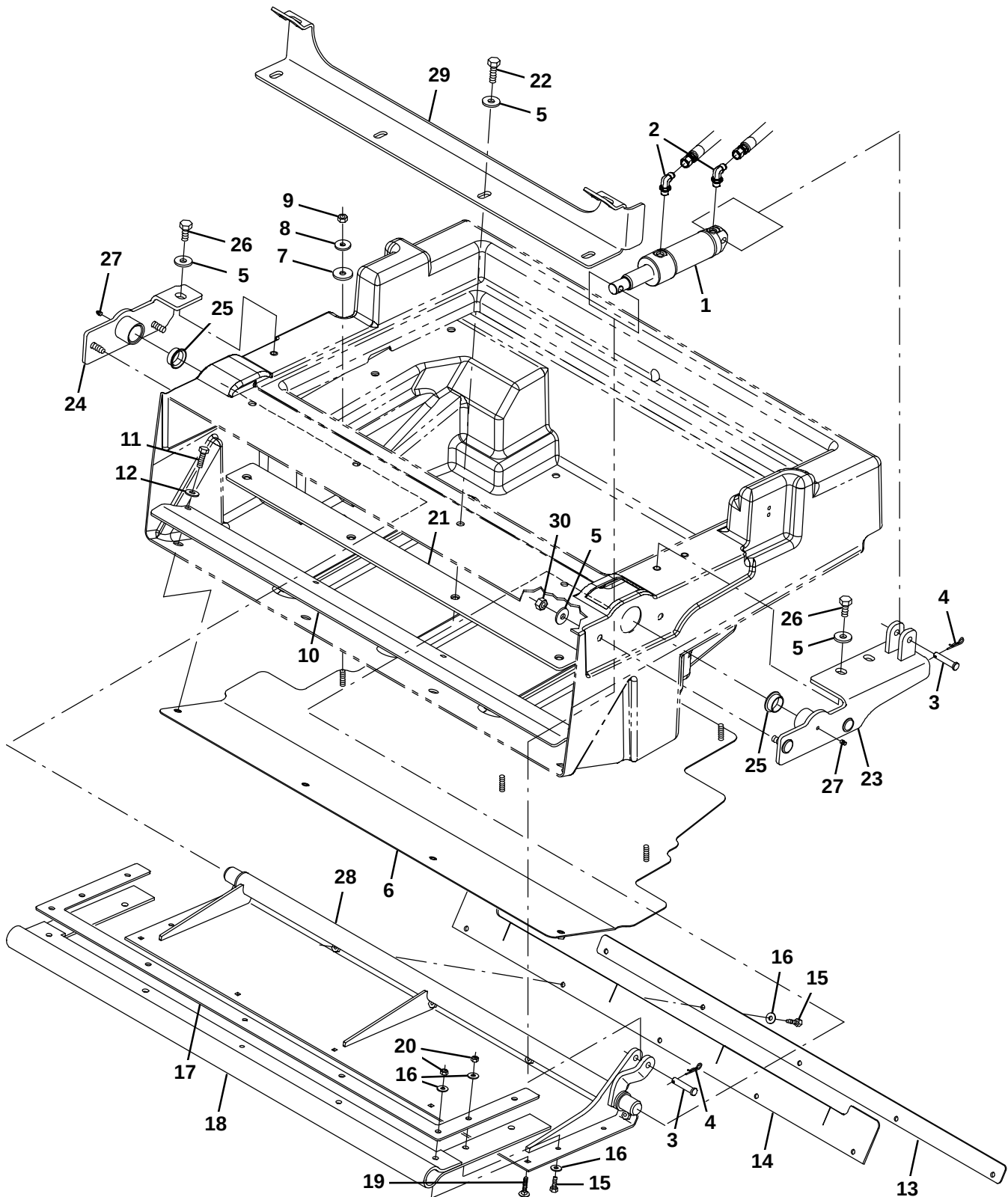


Fig. 42 – Hopper Door Group (003062–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1021941	(003062–)	Door Cyl, Hppr [Mako]	1
2	77097	(003062–)	Fitting, Hyd, E90, Jm04/Om04	2
3	17461	(003062–)	Pin, Clevis, 0.37d X 1.75l	2
4	08179	(003062–)	Pin, Cotter, .094 X 1.00	2
5	1014563	(003062–)	Washer, Flat, 0.40b 1.12d .12, Ss	11
6	1018237	(003062–)	Plate, Bottom, Hppr	1
7	222268	(003062–)	Washer, Flat, 0.38b 1.25d .12, Neo	2
8	1017218	(003062–)	Washer, Flat, 0.32b 1.00d .12, Ss	2
9	08713	(003062–)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	2
10	1018236	(003062–)	Bracket, Lip, Hppr	1
11	09010	(003062–)	Screw, Hex, M8 X 1.25 X 25, Ss	4
12	01685	(003062–)	Washer, Flat, 0.31, Ss	4
13	1039155	(003062–)	Strap, Door, Dump	1
14	1018245	(003062–)	Seal, Door, Dump	1
15	08716	(003062–)	Screw, Hex, M6 X 1.0 X 20, Ss	9
16	01684	(003062–)	Washer, Flat, 0.25, Ss	14
17	1039149	(003062–)	Plate, Retainer, Door, Dump	1
18	1039157	(003062–)	Seal, Door, Dump	1
19	379791	(003062–)	Bolt, Carriage, M06 X 1.0 X 30	5
20	08712	(003062–)	Nut, Hex, Lock, M6 X 1.0, Ss, NI	9
21	1018253	(003062–)	Bracket, Cover	1
22	12317	(003062–)	Screw, Hex, M10 X 1.5 X 30, Ss	4
23	1038123	(003062–)	Bracket Wldt, Pivot, Hppr Door, Lh	1
24	1038134	(003062–)	Bracket Wldt, Pivot, Hppr, Rh	1
25	367313	(003062–)	Bushing, Flng, 1.00b 1.13d 0.50l	2
26	09291	(003062–)	Screw, Hex, M10 X 1.5 X 20, Ss	3
27	07259	(003062–)	Fitting, Grease, Str Pm04 .47l	2
28	1039124	(003062–)	Door Wldt, Hppr	1
29	1044993	(003062–)	Bracket, Cover, Hopper	1
30	08714	(003062–)	Nut, Hex, Lock, M10 X 1.5, NI, Ss	4

Fig. 43 – Cylindrical Scrub Brush Drive Group, Left Side

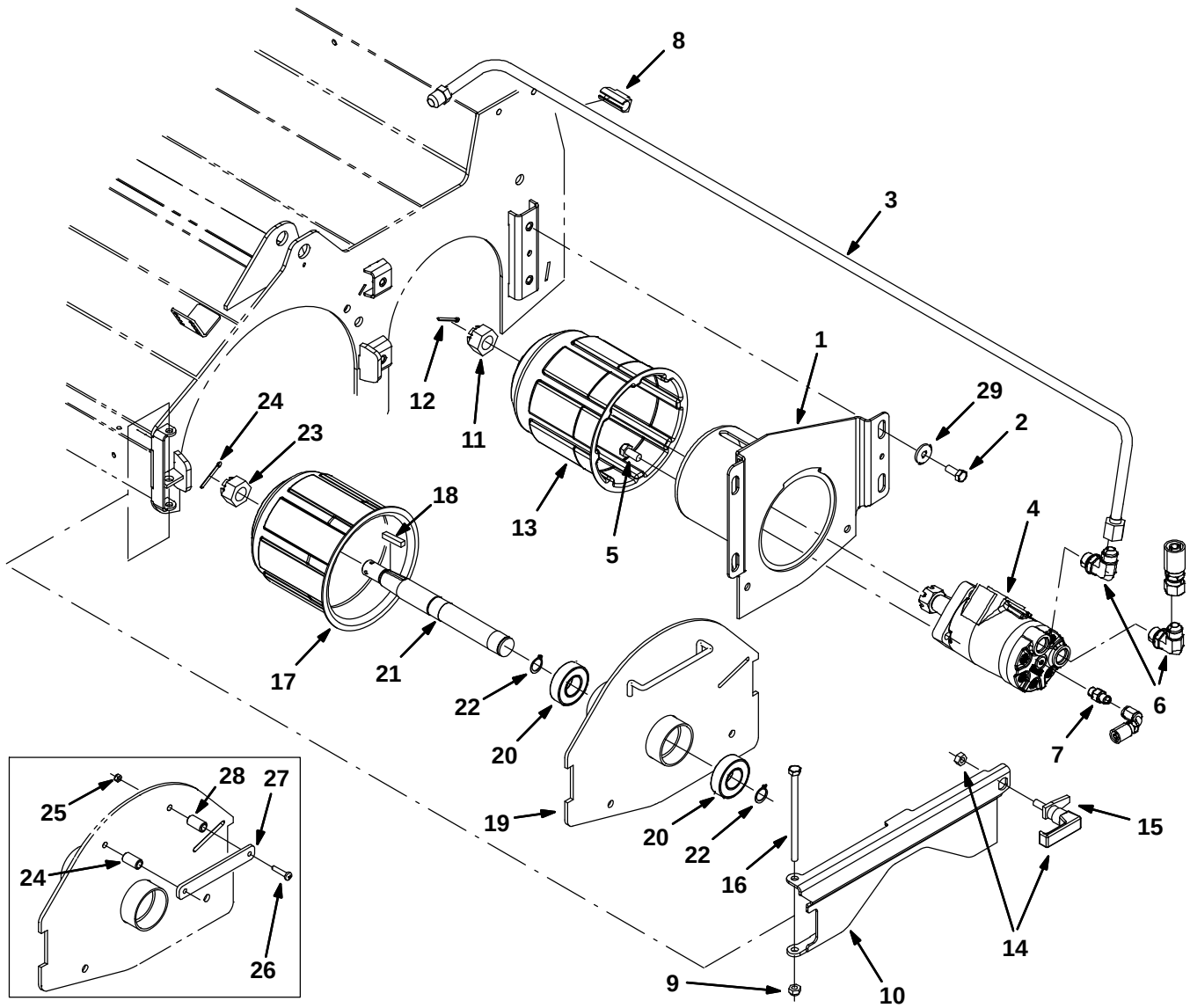


Fig. 43 – Cylindrical Scrub Brush Drive Group, Left Side

Ref.	Part No.	Serial Number	Description	Qty.	
1	1021019	(000000–	) Housing Wldt, Brush, Drive	1	
2	15675	(000000–	) Screw, Hex, M8 X 1.25 X 16, Ss	4	
3	1023617	(000000–	) Tube, Hyd, 08 Jf08/Jm08	1	
4	71729	(000000–	) Motor, Hyd, Gear, Int 04.5 Bi–Dir 1500 (See Breakdowns)	1	
5	01762	(000000–	) Screw, Hex, .38–16 X 0.75, NI	4	
6	44868	(000000–	) Fitting, Hyd, E90, Jm08/Om08	2	
7	55586	(000000–	) Fitting, Hyd, Str, Jm04/Om04	1	
8	1026080	(000000–	) Clamp, Hyd, 0.50d	1	
9	08713	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	11	
10	1029964	(000000–	) Door Wldt, Brush	1	
11	12295	(000000–	) Nut, Hex, Sltd, M20 X 2.5, 8	1	
12	08175	(000000–	) Pin, Cotter, .125 X 1.25	1	
13	87631	(000000–	) Plug Wldt, Drive, Brush, Sweep	1	
14	65695	(000000–	) Latch	1	
15	1026352	(000000–	) Pawl, Str	1	
16	70563	(000000–	) Screw, Hex, M8 X 1.25 X 130, 8.8	1	
▽	9006398	(000000–	) Idler Assy, Brush, Replmt [M20/T20, M30]	1	
▲	17	25686	(000000–	) Plug Wldt, Drive, Brush	1
▲	18	00927	(000000–	) Key, Sq, 0.25 X 0.25, 1.25l	1
▲	19	1038258	(000000–	) Door Wldt, Brush, Idler	1
▲	20	13534	(000000–	) Bearing, Ball, 0.98b 2.05d 0.59w	2
▲	21	56078	(000000–	) Shaft, Brush, Idler	1
▲	22	09005	(000000–	) Ring, Retaining, Ext, 1.00d, Basic	2
▲	23	12295	(000000–	) Nut, Hex, Sltd, M20 X 2.5, 8	1
▲	24	08175	(000000–	) Pin, Cotter, .125 X 1.25	1
25	09739	(000000–002167)	Nut, Hex, Lock, M5 X 0.8, NI, Ss	2	
26	17185	(000000–002167)	Screw, Pan, M5 X 0.8 X 40, Ss	2	
27	1032743	(000000–002167)	Plate, Handle	1	
28	222496	(000000–002167)	Sleeve, P/M, 0.31b 0.50d 0.9l [430ss]	2	
29	32491	(000000–	) Washer, Flat, 0.31, Std	4	

Fig. 44 – Cylindrical Scrub Brush Drive Group, Right Side

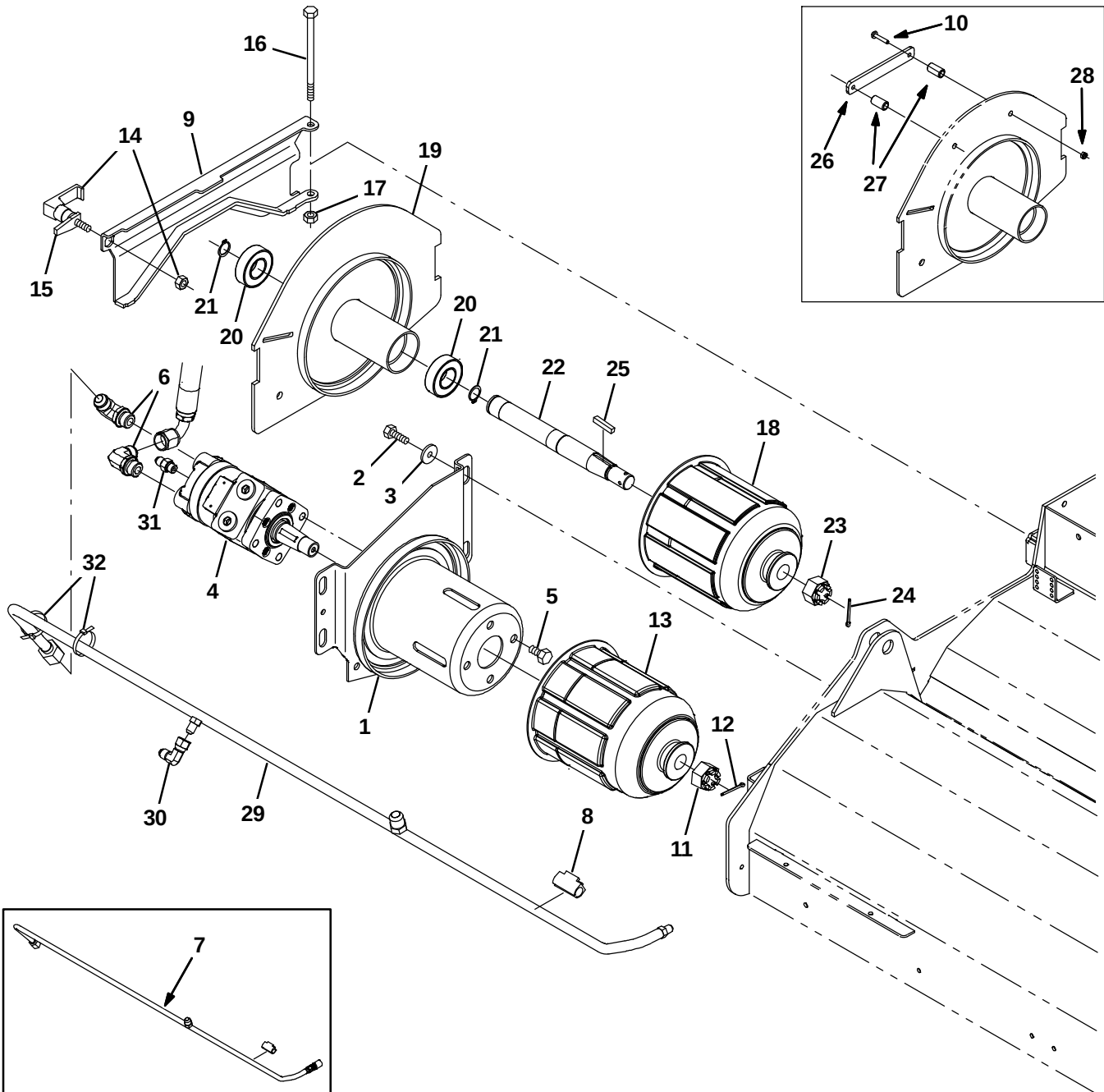


Fig. 44 – Cylindrical Scrub Brush Drive Group, Right Side

Ref.	Part No.	Serial Number	Description	Qty.	
1	1021019	(000000–)	Housing Wldt, Brush, Drive	1	
2	15675	(000000–)	Screw, Hex, M8 X 1.25 X 16, Ss	4	
3	32491	(000000–)	Washer, Flat, 0.31, Std	4	
4	71729	(000000–)	Motor, Hyd, Gear, Int 04.5 Bi-Dir 1500 (See Breakdowns)	1	
5	01762	(000000–)	Screw, Hex, .38–16 X 0.75, NI	4	
6	44868	(000000–)	Fitting, Hyd, E90, Jm08/Om08	2	
7	9006386	(000000–003056)	Tube Kit, Hyd, Case Drain [M20/T20]	1	
8	1026080	(000000–)	Clamp, Hyd, 0.50d	1	
9	1029964	(000000–)	Door Wldt, Brush	1	
10	17185	(000000–002167)	Screw, Pan, M5 X 0.8 X 40, Ss	2	
11	12295	(000000–)	Nut, Hex, Sltd, M20 X 2.5, 8	1	
12	08175	(000000–)	Pin, Cotter, .125 X 1.25	1	
13	87631	(000000–)	Plug Wldt, Drive, Brush, Sweep	1	
14	65695	(000000–)	Latch	1	
15	1026352	(000000–)	Pawl, Str	1	
16	70563	(000000–)	Screw, Hex, M8 X 1.25 X 130, 8.8	1	
17	08713	(000000–)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	1	
▽	9006398	(000000–)	Idler Assy, Brush, Replmt [M20/T20, M30]	1	
▲	18	25686	(000000–)	Plug Wldt, Drive, Brush	1
▲	19	1038258	(000000–)	Door Wldt, Brush, Idler	1
▲	20	13534	(000000–)	Bearing, Ball, 0.98b 2.05d 0.59w	2
▲	21	09005	(000000–)	Ring, Retaining, Ext, 1.00d, Basic	2
▲	22	56078	(000000–)	Shaft, Brush, Idler	1
▲	23	12295	(000000–)	Nut, Hex, Sltd, M20 X 2.5, 8	1
▲	24	08175	(000000–)	Pin, Cotter, .125 X 1.25	1
▲	25	00927	(000000–)	Key, Sq, 0.25 X 0.25, 1.25l	1
	26	1032743	(000000–002167)	Plate, Handle	1
	27	222496	(000000–002167)	Sleeve, P/M, 0.31b 0.50d 0.9l [430ss]	2
	28	09739	(000000–002167)	Nut, Hex, Lock, M5 X 0.8, NI, Ss	2
	29	1055139	(003057–)	Tube, Hyd, Brush Return, W/ Cd [M20/T20]	1
	30	39210	(003057–)	Fitting, Hyd, E90, Jf04/Jm04	1
	31	55586	(003057–)	Fitting, Hyd, Str, Jm04/Om04	1
	32	49266	(003057–)	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	2

Fig. 45 – Cylindrical Scrub Brush Head Lift Group

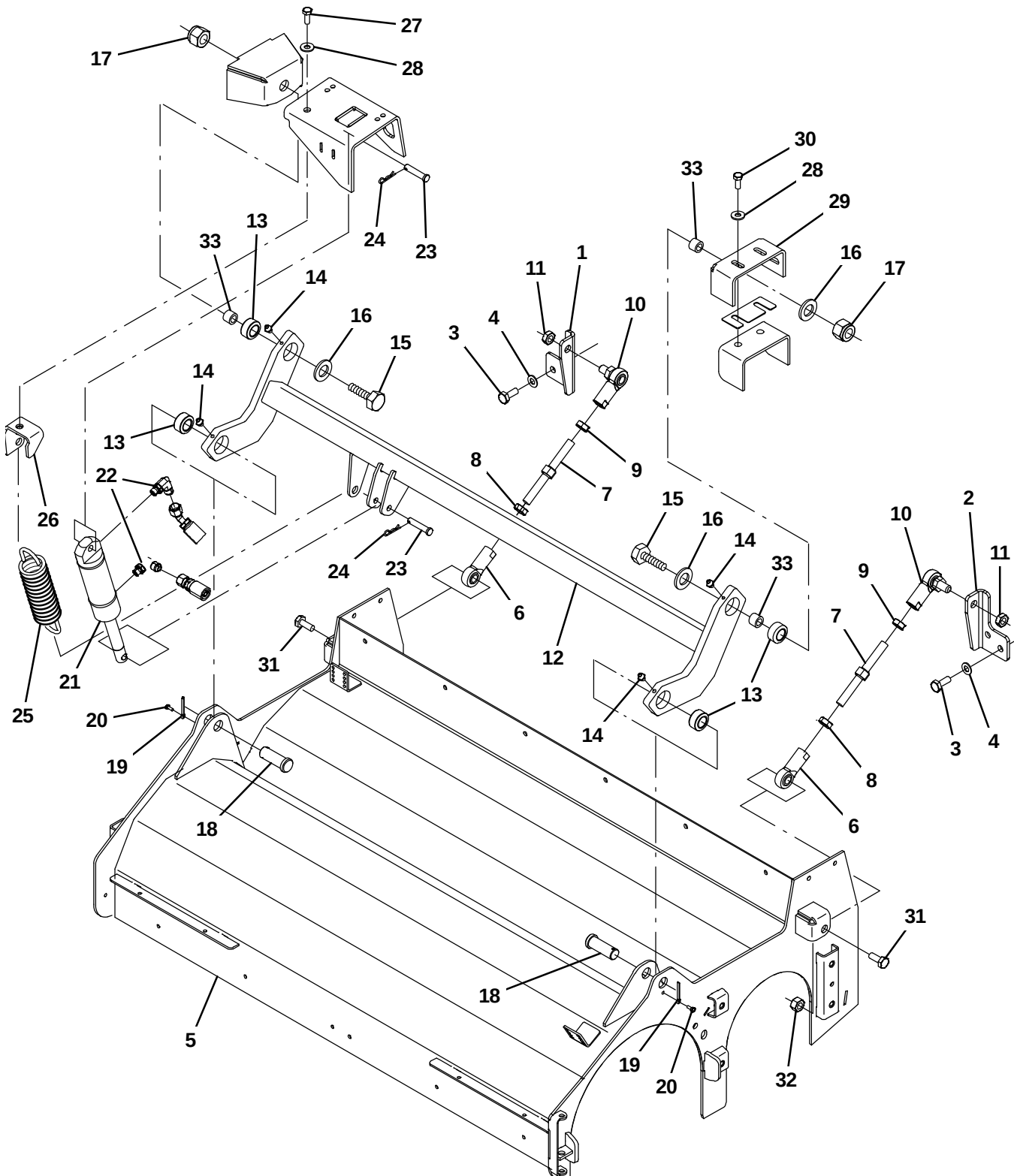


Fig. 45 – Cylindrical Scrub Brush Head Lift Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1030910	(000000–	) Bracket, Mtg, Scb Head, Rh	1
2	1030911	(000000–	) Bracket, Mtg, Scb Head, Lh	1
3	09028	(000000–	) Screw, Hex, M10 X 1.5 X 25, Ss	4
4	32485	(000000–	) Washer, Flat, 0.38 Sae	4
5	1020002	(000000–	) Housing Wldt, Swp, Scb	1
6	67555	(000000–	) Rod-End, .50–20rh Fem 0.50b	2
7	1014705	(000000–	) Rod, Thrd, 2 End, .50–20 04.9l, Rh / Lh	2
8	48985	(000000–	) Nut, Hex, Jam, .50–20	2
9	71369	(000000–	) Nut, Hex, Jam, .50–20, Lh	2
10	382099	(000000–	) Rod-End, .50–20lh Fem 0.50–20stud	2
11	51824	(000000–	) Nut, Hex, Lock, .50–20, NI, Thin	2
12	1020003	(000000–	) Tube Wldt, Torque	1
13	42120	(000000–	) Bearing, Self Align, 0.75b 1.25d	4
14	07259	(000000–	) Fitting, Grease, Str Pm04 .47l	4
15	06969	(000000–	) Screw, Hex, M12 X 1.75 X 40, 8.8	2
16	41619	(000000–	) Washer, Flat, 0.56b 1.38d .11, Ss	2
17	09741	(000000–	) Nut, Hex, Lock, M12 X 1.75, NI, Ss	2
18	04733–12	(000000–	) Pin, Clevis, 0.75d X 2.00l	2
19	08236	(000000–	) Pin, Cotter, .156 X 1.25	2
20	223198	(000000–	) Screw, Hex, M5 X 0.8 X 10, Fmg	2
21	1038137	(000000–	) Cylinder, Hyd, 1.5b 07.8l 02.80strk 2500	1
22	77098	(000000–	) Fitting, Hyd, E90, Jm06/Om04	2
23	17461	(000000–	) Pin, Clevis, 0.37d X 1.75l	2
24	86866	(000000–	) Pin, Cotter, Hair, 0.38d .072 Wir	2
25	1031413	(000000–	) Spring, Extn, 1.68od X .203wir, 7.5l	1
26	1027810	(000000–	) Bracket, Mtg, Spring	1
27	763090	(000000–	) Screw, Hex, M8 X 1.25 X 60, FI	1
28	32491	(000000–	) Washer, Flat, 0.31, Std	4
29	1019146	(000000–	) Bracket, Mtg, Lift, Scb Head	1
30	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	3
31	39811	(000000–	) Screw, Hex, .50–13 X 1.50, 5	2
32	36644	(000000–	) Nut, Hex, Lock, .50–13, NI, Thin	2
33	1025100	(000000–	) Sleeve, P/M, 0.47b 0.75d 0.5l [430ss]	3

Fig. 46 – Cylindrical Brush Head Skirt Group

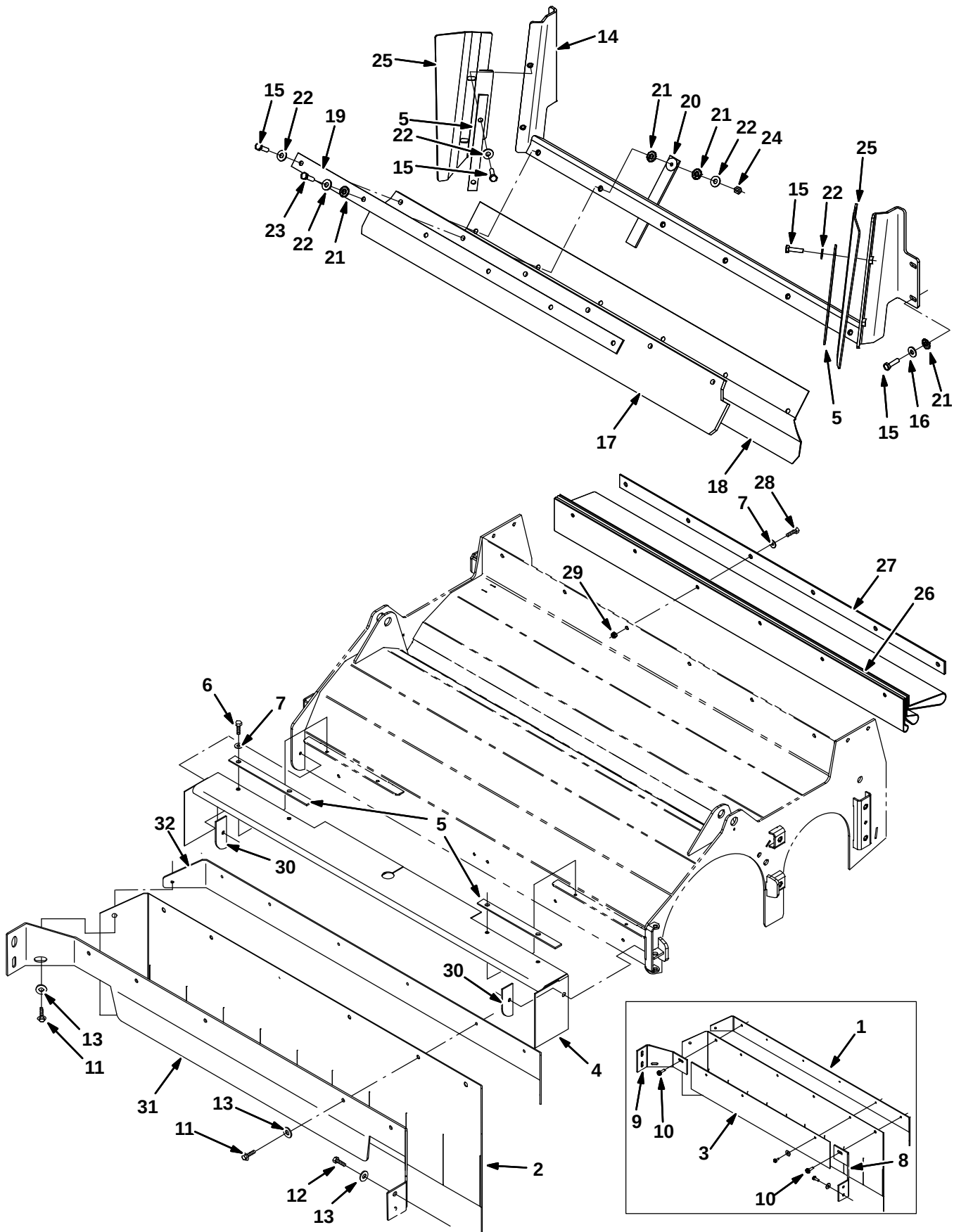


Fig. 46 – Cylindrical Brush Head Skirt Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1020208	(000000-002275)	Plate, Skirt, Front	1
2	1020166	(000000-)	Skirt, Neo, .06, 12.00w 45.88l, 07 Hole	1
3	1020207	(000000-002275)	Retainer, Skirt, Front	1
4	1022363	(000000-)	Skirt, Neo, .06, 07.63w 51.52l, 11 Hole	1
5	1022003	(000000-)	Retainer, Skirt	4
6	361339	(000000-)	Screw, Hex, M6 X 1.0 X 16, Fmg	6
7	01684	(000000-)	Washer, Flat, 0.25, Ss	12
8	1024570	(000000-002275)	Bracket, Mtg, Skirt	1
9	1020163	(000000-002275)	Bracket, Mtg, Skirt	1
10	76099	(000000-002275)	Screw, Hex, M8 X 1.25 X 25, Fmg	4
11	361339	(000000-)	Screw, Hex, M6 X 1.0 X 16, Fmg	7
12	09740	(000000-)	Screw, Hex, M8 X 1.25 X 20, Ss	4
13	01685	(000000-)	Washer, Flat, 0.31, Ss	11
14	1022179	(000000-)	Bracket Wldt, Flap, Recirculation	1
15	09010	(000000-)	Screw, Hex, M8 X 1.25 X 25, Ss	13
16	32491	(000000-)	Washer, Flat, 0.31, Std	4
17	1022007	(000000-)	Skirt, Rbr, .37, 04.50w 40.94l, 06 Hole	1
18	1022009	(000000-)	Skirt, Neo, .06, 06.38w 40.86l, 06 Hole	1
19	1020828	(000000-)	Strip, Flap, Recirculation	1
20	1028852	(000000-)	Strap, Static, Afmkt	1
21	41141	(000000-)	Washer, Lock, Int-Ext, 0.31	7
22	01685	(000000-)	Washer, Flat, 0.31, Ss	11
23	33401	(000000-)	Screw, Hex, M8 X 1.25 X 50, Ss, FI	1
24	08713	(000000-)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	1
25	1022165	(000000-)	Skirt, Neo, .12, 05.39w 14.01l, 02 SI	2
26	1026108	(000000-)	Skirt, Neo, .06, 26.99w 40.55l, 36 Hole	1
27	1020828	(000000-)	Strip, Flap, Recirculation	1
28	07805	(000000-)	Screw, Hex, M6 X 1.0 X 35, Ss	6
29	08712	(000000-)	Nut, Hex, Lock, M6 X 1.0, Ss, NI	6
30	1022359	(000000-)	Plate, Mtg, Skirt, Scb Head	2
31	1039396	(002276-)	Bracket, Mtg, Skirt	1
32	1040018	(002276-)	Plate, Skirt, Front	1

Fig. 47 – Squeegee Lift Group, Rear

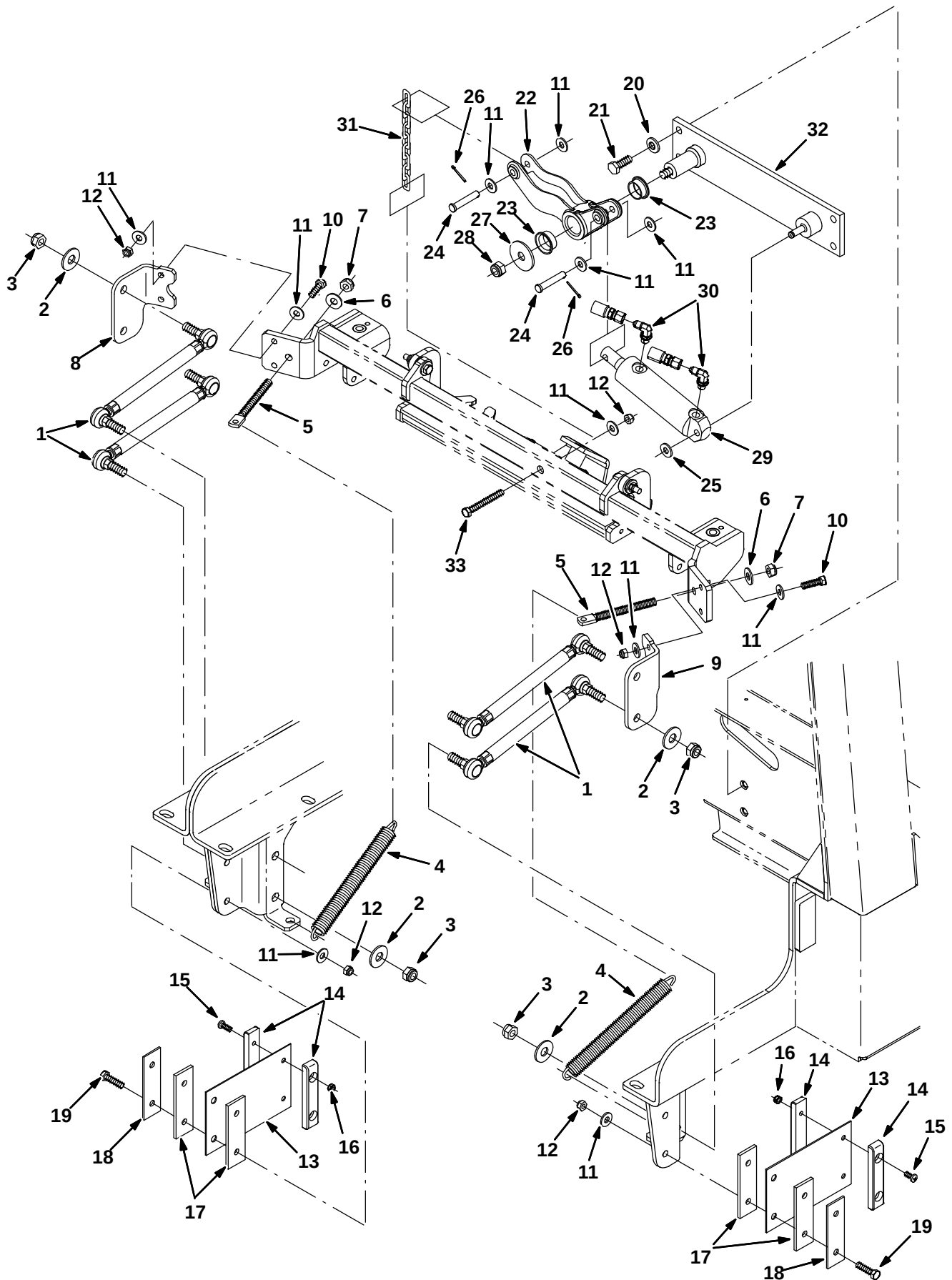


Fig. 47 – Squeegee Lift Group, Rear

Ref.	Part No.	Serial Number	Description	Qty.
1	1026007	(000000–	) Link Assy, Rod–End, M12	4
2	41619	(000000–	) Washer, Flat, 0.56b 1.38d .11, Ss	8
3	09741	(000000–	) Nut, Hex, Lock, M12 X 1.75, NI, Ss	8
4	46785–1	(000000–	) Spring, Extn, 0.88od X 0.14wir, 9.0l	2
5	1007220	(000000–	) Bolt, Eye, M10 X 1.5 X 117mm, 8.0 Eye	2
6	01686	(000000–	) Washer, Flat, 0.44b 1.00d .08, Ss	2
7	08714	(000000–	) Nut, Hex, Lock, M10 X 1.5, NI, Ss	2
8	1022372	(000000–	) Angle, Rh	1
9	1022442	(000000–	) Angle, Lh	1
10	09010	(000000–	) Screw, Hex, M8 X 1.25 X 25, Ss	4
11	01685	(000000–	) Washer, Flat, 0.31, Ss	15
12	08713	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	9
13	71204	(000000–	) Spring, Flt, 0.08th, 4.50w X 07.0l	2
14	1024648	(000000–	) Block, Centering	4
15	367770	(000000–	) Screw, Pan, M6 X 1.0 X 16, Ss	4
16	08712	(000000–	) Nut, Hex, Lock, M6 X 1.0, Ss, NI	4
17	1024641	(000000–	) Spacer, Pad, Rbr	4
18	1024703	(000000–	) Retainer, Spring	2
19	09023	(000000–	) Screw, Hex, M8 X 1.25 X 35, Ss, FI	4
20	41187	(000000–	) Washer, Flat, Belleville, .38	4
21	12317	(000000–	) Screw, Hex, M10 X 1.5 X 30, Ss	4
22	1025680	(000000–	) Bellcrank, Lift, Sqge	1
23	367313	(000000–	) Bushing, Flng, 1.00b 1.13d 0.50l	2
24	29584	(000000–	) Pin, Clevis, 0.37d X 2.00l	2
25	23524–1	(000000–	) Ring, Retaining, Ext, 0.38d, [Selflock]	1
26	08179	(000000–	) Pin, Cotter, .094 X 1.00	2
27	04414	(000000–	) Washer, Flat, 0.53b 1.88d .12, Stl, PI	1
28	09741	(000000–	) Nut, Hex, Lock, M12 X 1.75, NI, Ss	1
29	1038137	(000000–	) Cylinder, Hyd, 1.5b 07.8l 02.80strk 2500	1
30	77097	(000000–	) Fitting, Hyd, E90, Jm04/Om04	2
31	1023779	(000000–	) Chain, Str, 4/0, 08 Link	1
32	1021609	(000000–	) Plate Wldt, Lift, Sqge	1
33	06957	(002102–	) Screw, Hex, M8 X 1.25 X 60, 8.8	1

Fig. 48 – Squeegee Group, Rear

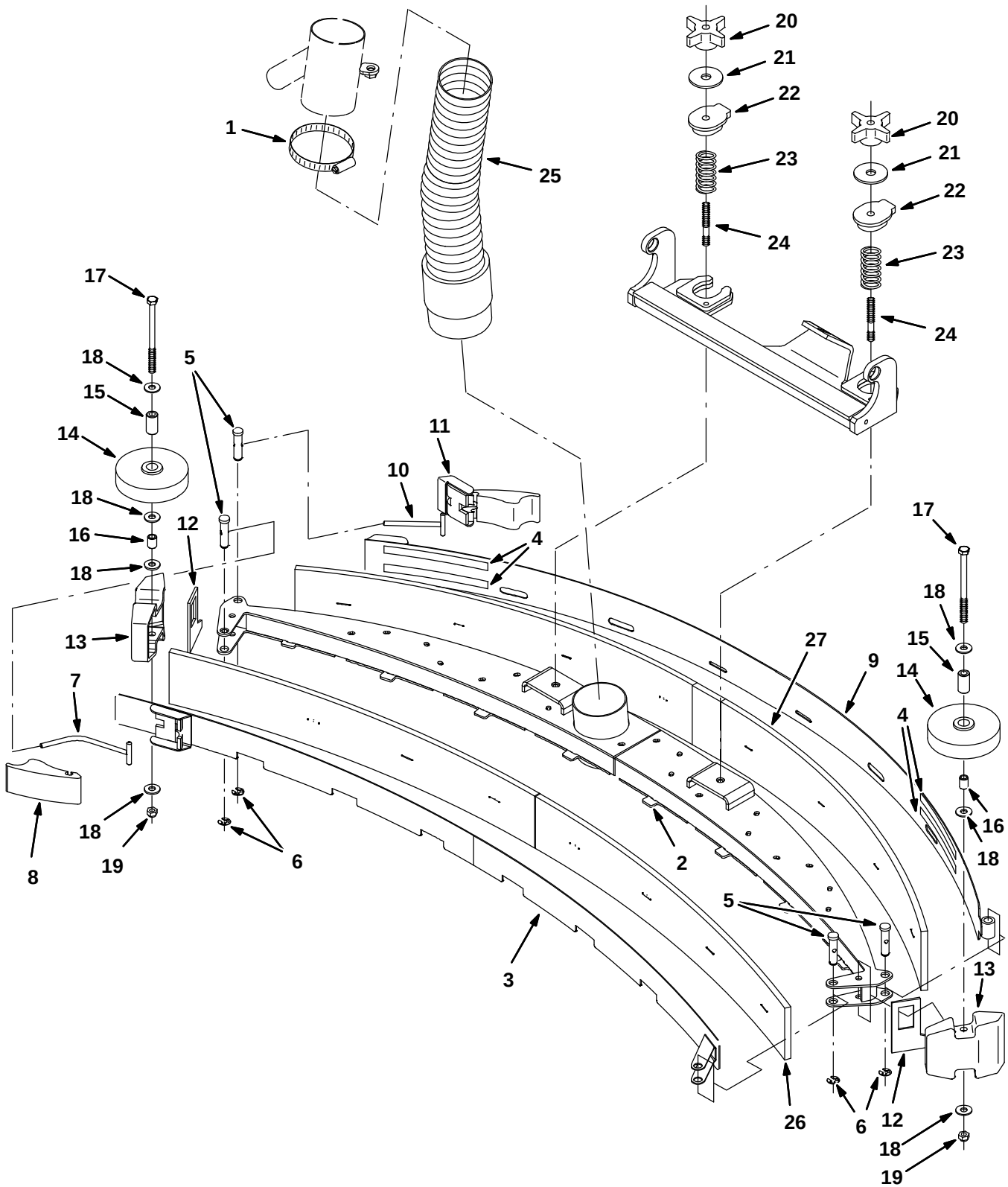


Fig. 48 – Squeegee Group, Rear

	Ref.	Part No.	Serial Number	Description	Qty.
	1	43555	(000000–	) Clamp, Hose, Wormdrive, 2.50–3.50d, .50w	1
▽		9004493	(000000–	) Squeegee Kit, Rear, Replmt [M20/T20]	1
▲	2	1022831	(000000–	) Squeegee Wldt, Rear	1
▲	3	1023239	(000000–	) Clamp Wldt, Front	1
▲	4	03495	(000000–	) Strip, Non-Slip, 0.50w 06.0l	4
▲	5	21603	(000000–	) Pin, Grvd, 0.43d 01.8l [303ss]	4
▲	6	24555	(000000–	) Ring, Retaining, Ext, 0.38d, [E-Ring]	4
▲	7	386298	(000000–	) Pin Wldt, Front	1
▲	8	21601	(000000–	) Cam	1
▲	9	1028374	(000000–	) Clamp Wldt, Rear	1
▲	10	21606	(000000–	) Bar Wldt, Retainer, Sqge, Rear	1
▲	11	21602	(000000–	) Cam, Rear	1
▲	12	83874	(000000–	) Gasket, Sqge	2
▲	13	386264	(000000–	) Bumper, Sqge	2
▲	14	363162	(000000–	) Wheel, 4.0d 0.89w 0.64b	2
▲	15	363301	(000000–	) Sleeve, P/M, 0.34b 0.63d 1.2l, Bnz	2
▲	16	80395	(000000–	) Sleeve, P/M, 0.31b 0.50d 0.7l [430ss]	2
▲	17	364441	(000000–	) Screw, Hex, M8 X 1.25 X 110, Ss	2
▲	18	01685	(000000–	) Washer, Flat, 0.31, Ss	10
▲	19	08713	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	2
	20	370100	(000000–	) Knob, Star, 2.80d 4ear 1.1l .31–18 Pyp	2
	21	04414	(000000–	) Washer, Flat, 0.53b 1.88d .12, Stl, Pl	2
	22	387433	(000000–	) Ring, Mtg, Sqge, .50l	2
	23	387500	(000000–	) Spring, Cmpr, 0.90d .042wir 02.0l	2
	24	387237	(000000–	) Stud, .31–18 2.75l M8 X 1.25, Ss	2
	25	1021511	(000000–	) Hose, Vacuum, 19.0l	1
	26	1017868	(000000–	) Blade, Sqge, Front, 49.58l Linatex	1
	26	1027719	(000000–	) Blade, Sqge, Front, 49.58l Ure (Option)	1
	27	1031331	(000000–	) Blade, Sqge, Rear, Linatex	1
	27	1031945	(000000–	) Blade, Sqge, Rear, 53.78l Ure (Option)	1

Fig. 49 – Squeegee Linkage Group, Rear

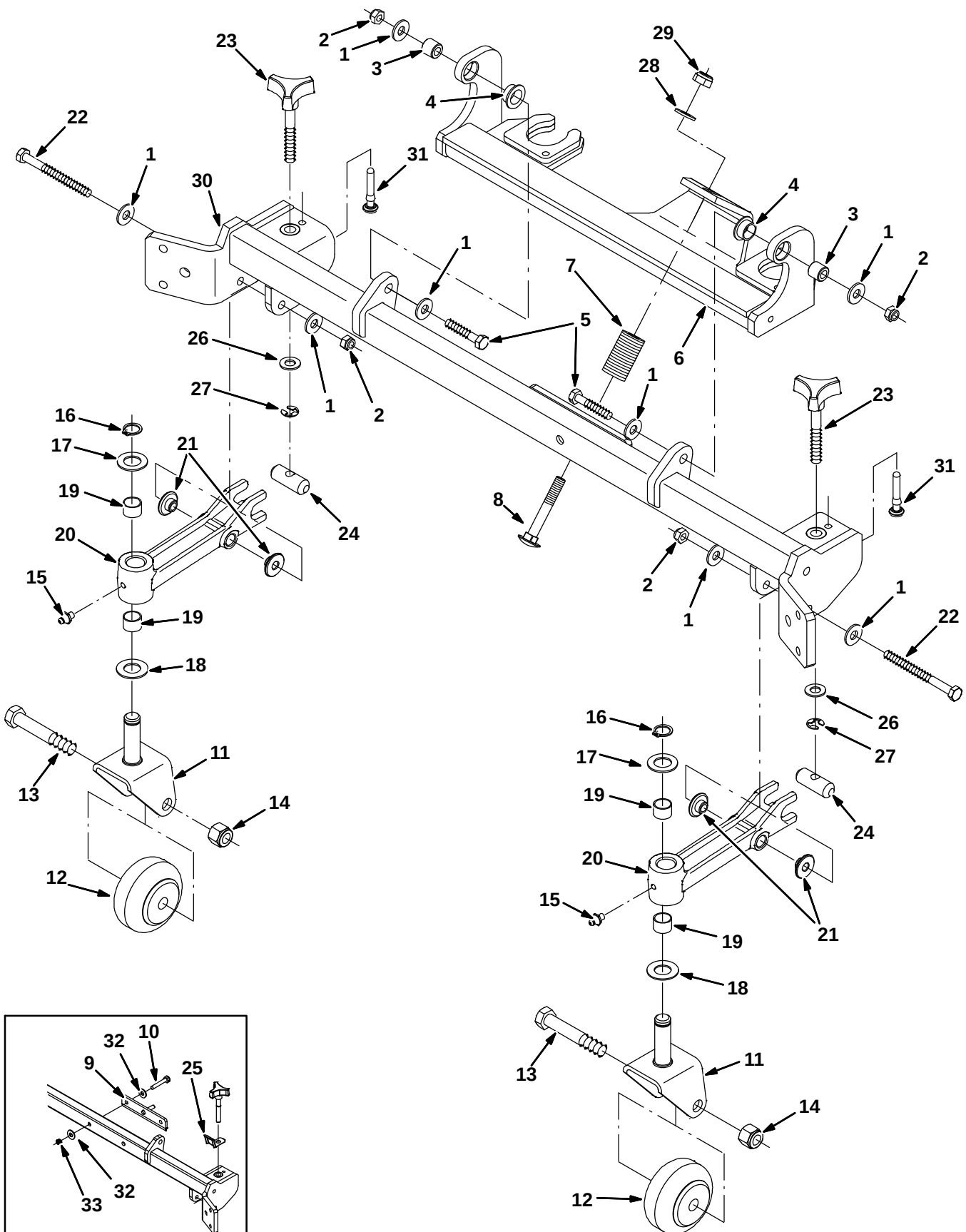


Fig. 49 – Squeegee Linkage Group, Rear

Ref.	Part No.	Serial Number	Description	Qty.
1	01685	(000000–	) Washer, Flat, 0.31, Ss	6
2	08713	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	4
3	80409	(000000–	) Sleeve, P/M, 0.34b 0.63d 0.6l, Bnz	2
4	25735	(000000–	) Bushing, Flng, 0.63b 0.75d 0.38l	2
5	222505	(000000–	) Screw, Hex, M8 X 1.25 X 45, Ss	2
6	1023476	(000000–	) Bracket Wldt, Mtg, Sqge	1
7	65180	(000000–	) Spring, Dsl, 1.00od 0.50id 1.7l	1
8	1025601	(000000–	) Bolt, Carriage, M10 X 1.5 X 70	1
9	1034147	(000000–002101	) Pin Wldt, Lift (Replaced by 9003478)	1
10	222505	(000000–002101	) Screw, Hex, M8 X 1.25 X 45, Ss	2
11	1021404	(000000–	) Bracket Wldt, Mtg, Caster	2
12	20833	(000000–	) Wheel, 3.0d 1.38w 0.50b	2
13	81952	(000000–	) Screw, Hex, .50–13 X 3.00, Ss18–8	2
14	02931	(000000–	) Nut, Hex, Lock, .50–13, NI, Ss	2
15	07259	(000000–	) Fitting, Grease, Str Pm04 .47l	2
16	33373	(000000–	) Ring, Retaining, Ext, 0.62d, Hd	2
17	63468	(000000–	) Washer, Flat, 0.69b 1.19d .06, Stl, Pl	2
18	64425	(000000–	) Washer, Thrust, 0.61b 1.25d .06, Fgl	2
19	07449	(000000–	) Bushing, Sleeve, 0.62b 0.72d 0.50l, Fgl	4
20	1025460	(000000–	) Caster, Pivot	2
21	80950	(000000–	) Bushing, Flng, 0.32b 0.50d 0.24l, Bnz	4
22	39281	(000000–	) Screw, Hex, M8 X 1.25 X 90, 8.8	2
23	1021546	(000000–	) Knob Assy, Star, 1.12d 3ear M10	2
24	1021497	(000000–	) Pin, 0.63d 01.8l, 1/M10h, 2cham	2
25	1022545	(000000–002049	) Spring, Keeper	2
26	32485	(000000–	) Washer, Flat, 0.38 Sae	2
27	24555	(000000–	) Ring, Retaining, Ext, 0.38d, [E–Ring]	2
28	1014563	(000000–	) Washer, Flat, 0.40b 1.12d .12, Ss	1
29	08714	(000000–	) Nut, Hex, Lock, M10 X 1.5, NI, Ss	1
30	1034149	(000000–	) Crossmember Wldt [M20]	1
31	1035727	(002050–	) Stop, Rotation	2
32	01685	(000000–002101	) Washer, Flat, 0.31, Ss	4
33	08713	(000000–002101	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	2

Fig. 50 – Squeegee Group, Right Side

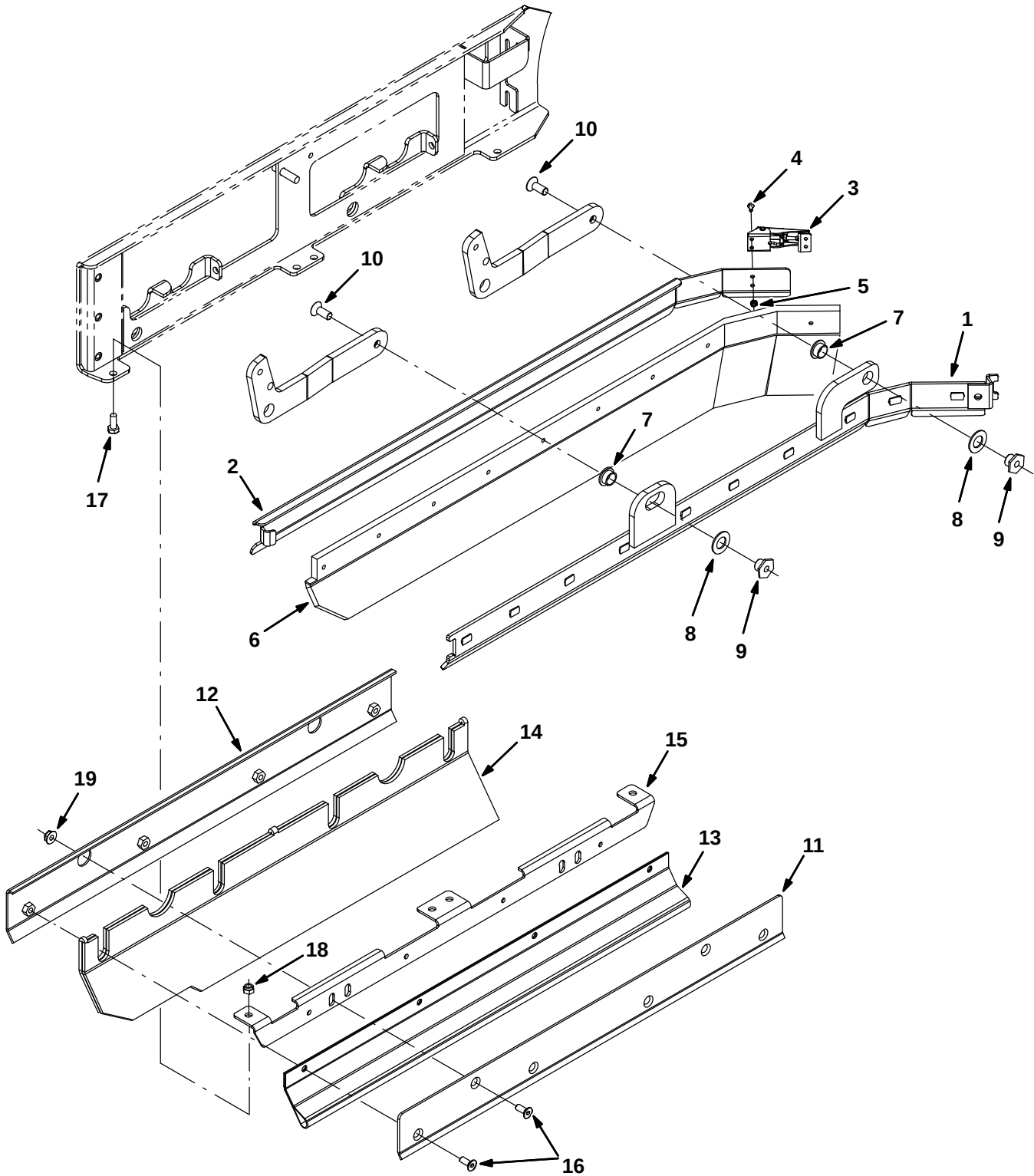


Fig. 50 – Squeegee Group, Right Side

Ref.	Part No.	Serial Number	Description	Qty.
1	1029132	(000000–	) Frame Wldt, Sqge, Rh	1
2	1029128	(000000–	) Retainer, Sqge, Side, Rh	1
3	384418	(000000–	) Latch, Door [Southco 91–562–07]	1
4	49697	(000000–	) Screw, Pan, M4 X 0.7 X 10, Ss	2
5	33932	(000000–	) Nut, Hex, Lock, M4 X 0.7, NI, Ss	2
6	1031011	(000000–	) Blade, Sqge, .38 3.55w 038.3l, Linatex	1
6	1031823	(000000–	) Blade, Sqge, .38 3.55w 038.3l, Ure (Option)	1
7	25735	(000000–	) Bushing, Flng, 0.63b 0.75d 0.38l	2
8	64425	(000000–	) Washer, Thrust, 0.61b 1.25d .06, Fgl	2
9	1022846	(000000–	) Nut, T, M10 X 1.50 X 15.8od X 13.0l	2
10	09081	(000000–	) Screw, Flt, M10 X 1.5 X 25, 10.9	2
11	1024584	(000000–	) Bracket, Mtg, Skirt, Brush Door	1
12	1024651	(000000–	) Bracket, Mtg, Skirt, Door	1
13	1024586	(000000–	) Skirt, Neo, .06, 06.85w 27.95l, 08 Hole	1
14	1019295	(000000–	) Skirt, Neo, .18, 10.37w 27.95l, 12 H&S	1
15	1025151	(000000–	) Bracket, Mtg, Skirt, Door, Brush	1
16	222463	(000000–	) Screw, Flt, M8 X 1.25 X 20, Blk	6
17	393135	(000000–	) Screw, Btn, M8 X 1.25 X 20, Blk	4
18	08713	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	4
19	07791	(000000–	) Nut, Hex, Flng, M8 X 1.25	2

Fig. 51 – Squeegee Lift Group, Right Side

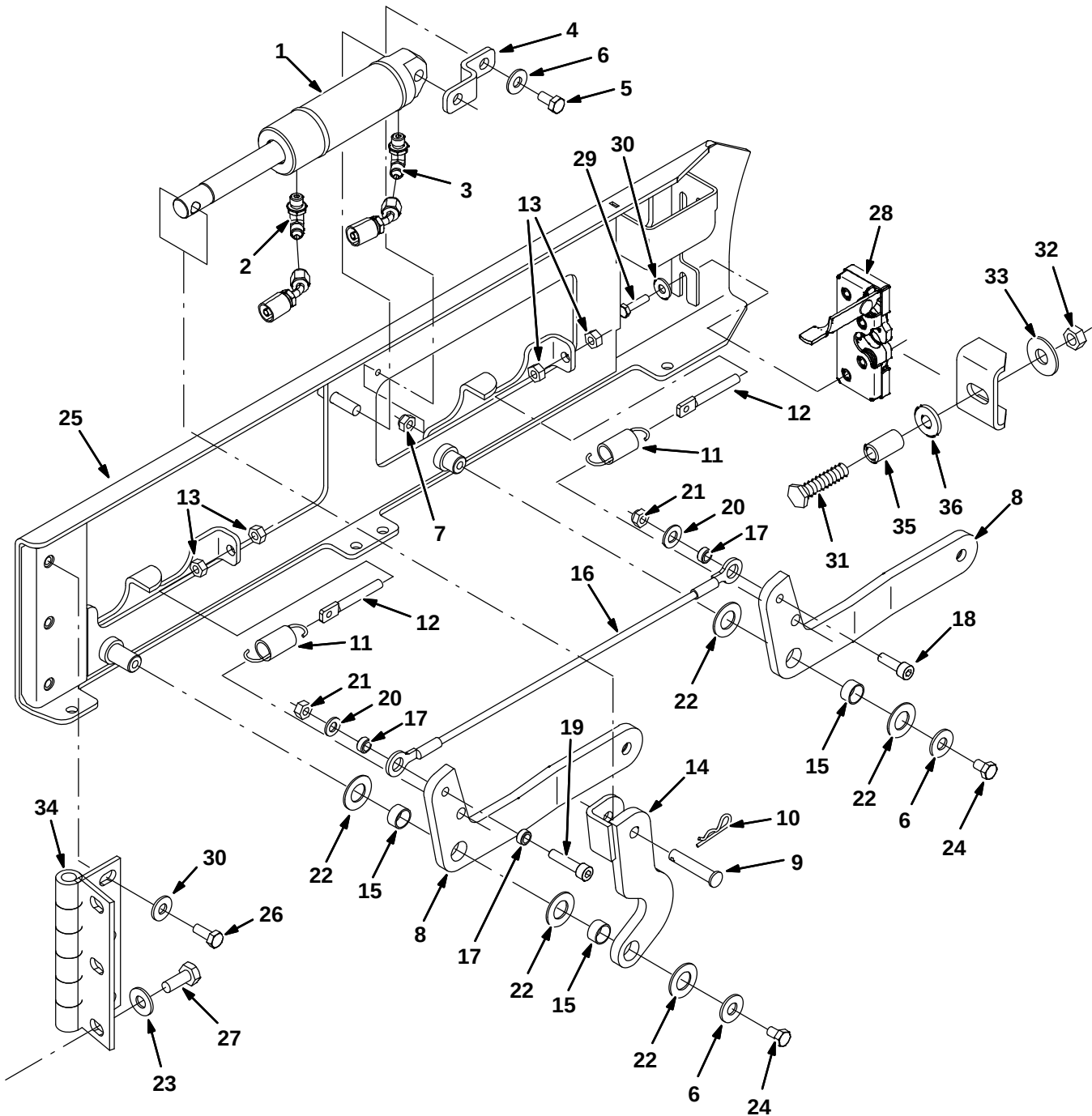


Fig. 51 – Squeegee Lift Group, Right Side

Ref.	Part No.	Serial Number	Description	Qty.
1	1038137	(000000–	) Cylinder, Hyd, 1.5b 07.8l 02.80strk 2500	1
2	77097	(000000–	) Fitting, Hyd, E90, Jm04/Om04	1
3	1028635	(000000–	) Fitting, Hyd, Rst, Spcl	1
4	1022825	(000000–	) Bracket, Mtg, Cyl	1
5	08716	(000000–	) Screw, Hex, M6 X 1.00 X 20, Ss	1
6	01685	(000000–	) Washer, Flat, 0.31, Ss	3
7	08713	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	1
8	1020548	(000000–	) Arm, Sqge, Side, Rh	2
9	17461	(000000–	) Pin, Clevis, 0.37D X 1.75L	1
10	08182	(000000–	) Pin, Cotter, .125 X 1.00	1
11	87816	(000000–	) Spring, Extn, 0.75od X 0.09wir, 2.5l	2
12	386088	(000000–	) Bolt, Eye, M08 X 1.25 X 070mm, 05.50 Eye	2
13	07786	(000000–	) Nut, Hex, Std, M8 X 1.25, Ss	4
14	1023306	(000000–	) Arm Wldt, Sqge, Lift, Rh	1
15	71607	(000000–	) Bushing, Sleeve, 0.63b 0.72d 0.38l	3
16	81784	(000000–	) Cable, Glv .13d 015.8l .50eye /.50eye	1
17	360801	(000000–	) Sleeve, 0.31b 0.50d 0.3l, Ss	3
18	39308	(000000–	) Screw, Soc, M8 X 1.25 X 25, 12.9	1
19	41445	(000000–	) Screw, Soc, M8 X 1.25 X 35, 12.9	1
20	39349	(000000–	) Washer, Flat, 0.31 Sae	2
21	08709	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI	2
22	64425	(000000–	) Washer, Thrust, 0.61b 1.25d .06, Fgl	5
23	41187	(000000–	) Washer, Flat, Belleville, .38	3
24	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	2
25	1019031	(000000–	) Door Wldt, Brush, Rh	1
26	09028	(000000–	) Screw, Hex, M10 X 1.5 X 25, Ss	3
27	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	3
28	59194	(000000–	) Latch, Hook	1
29	09007	(000000–	) Screw, Hex, M6 X 1.0 X 25, Ss	2
30	41185	(000000–	) Washer, Flat, Belleville, .25	5
31	379870	(000000–	) Screw, Hex, M12 X 1.75 X 55, Ss	1
32	07788	(000000–	) Nut, Hex, Std, M12 X 1.75, Ss	1
33	41619	(000000–	) Washer, Flat, 0.56b 1.38d .11, Ss	1
34	1024576	(000000–	) Hinge, .50pin .19 4.0w 06.0l 3/0.44sl	1
35	36328	(000000–	) Washer, Flat, Belleville, .50	1
36	1039348	(000000–	) Sleeve, 0.49b 0.68d 1.2l [304ss]	1

Fig. 52 – Squeegee Group, Left Side

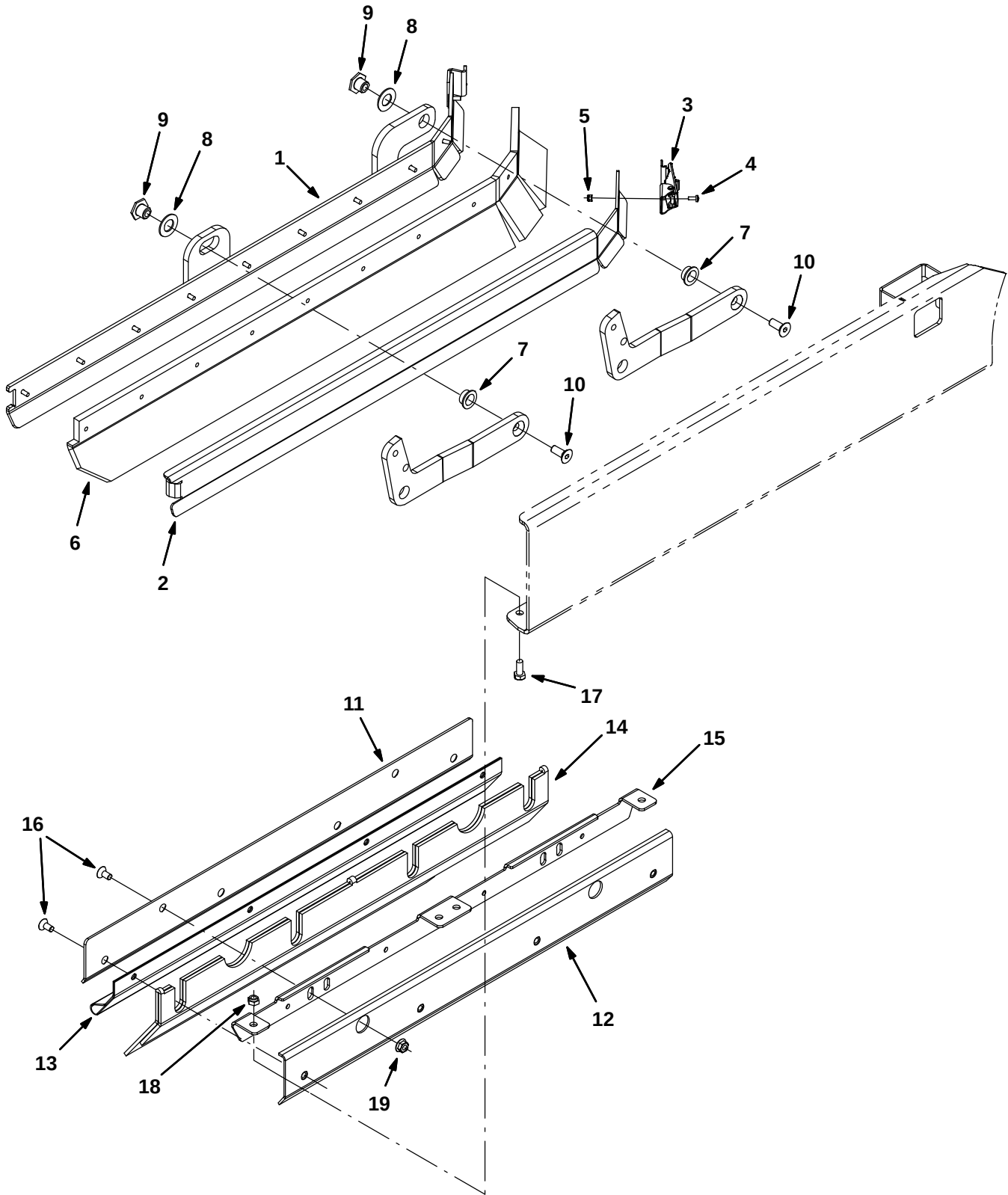


Fig. 52 – Squeegee Group, Left Side

Ref.	Part No.	Serial Number	Description	Qty.
1	1028972	(000000–	) Frame Wldt, Sqge, Lh	1
2	1028979	(000000–	) Retainer, Sqge, Side, Lh	1
3	384418	(000000–	) Latch, Door [Southco 91–562–07]	1
4	49697	(000000–	) Screw, Pan, M4 X 0.7 X 10, Ss	2
5	33932	(000000–	) Nut, Hex, Lock, M4 X 0.7, NI, Ss	2
6	1031011	(000000–	) Blade, Sqge, .38 3.55w 038.3l, Linatex	1
6	1031823	(000000–	) Blade, Sqge, .38 3.55w 038.3l, Ure (Option)	1
7	25735	(000000–	) Bushing, Flng, 0.63b 0.75d 0.38l	2
8	64425	(000000–	) Washer, Thrust, 0.61b 1.25d .06, Fgl	2
9	1022846	(000000–	) Nut, T, M10 X 1.50 X 15.8od X 13.0l	1
10	09081	(000000–	) Screw, Flt, M10 X 1.5 X 25, 10.9	2
11	1024584	(000000–	) Bracket, Mtg, Skirt, Brush Door	1
12	1024651	(000000–	) Bracket, Mtg, Skirt, Door	1
13	1024586	(000000–	) Skirt, Neo, .06, 06.85w 27.95l, 08 Hole	1
14	1019295	(000000–	) Skirt, Neo, .18, 10.37w 27.95l, 12 H&S	1
15	1025151	(000000–	) Bracket, Mtg, Skirt, Door, Brush	1
16	222463	(000000–	) Screw, Flt, M8 X 1.25 X 20, Blk	6
17	393135	(000000–	) Screw, Btn, M8 X 1.25 X 20, Blk	4
18	08713	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	4
19	07791	(000000–	) Nut, Hex, Flng, M8 X 1.25	2

Fig. 53 – Squeegee Lift Group, Left Side

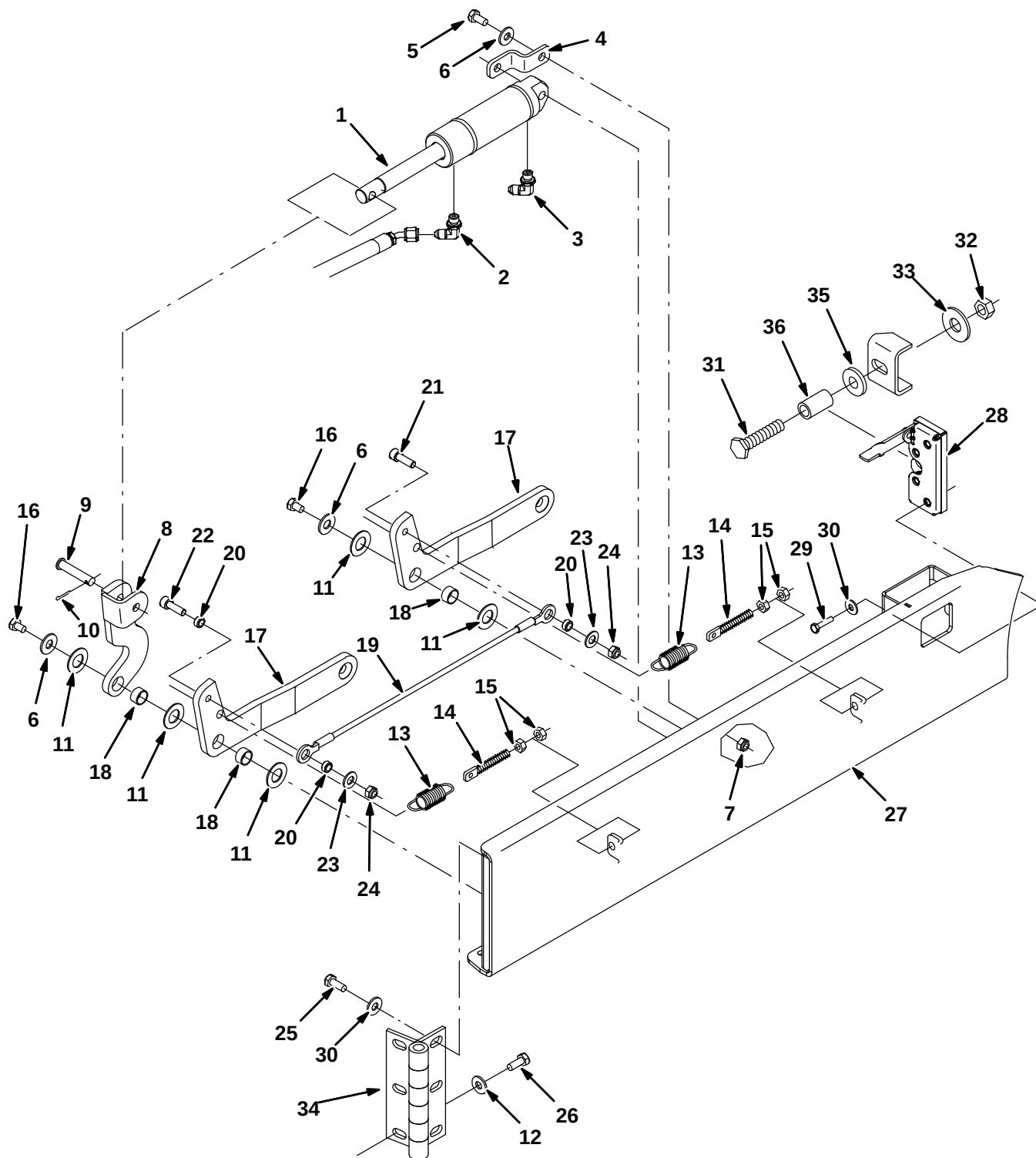


Fig. 53 – Squeegee Lift Group, Left Side

Ref.	Part No.	Serial Number	Description	Qty.
1	1038137	(000000–	) Cylinder, Hyd, 1.5b 07.8l 02.80strk 2500	1
2	77097	(000000–	) Fitting, Hyd, E90, Jm04/Om04	1
3	1028635	(000000–	) Fitting, Hyd, Rst, Spcl	1
4	1022825	(000000–	) Bracket, Mtg, Cyl	1
5	08716	(000000–	) Screw, Hex, M6 X 1.00 X 20, Ss	1
6	01685	(000000–	) Washer, Flat, 0.31, Ss	3
7	08713	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	1
8	1022978	(000000–	) Arm Wldt, Lift, Sqge, Lh	1
9	17461	(000000–	) Pin, Clevis, 0.37D X 1.75L	1
10	08182	(000000–	) Pin, Cotter, .125 X 1.00	1
11	64425	(000000–	) Washer, Thrust, 0.61b 1.25d .06, Fgl	5
12	41187	(000000–	) Washer, Flat, Belleville, .38	3
13	87816	(000000–	) Spring, Extn, 0.75od X 0.09wir, 2.5l	2
14	386088	(000000–	) Bolt, Eye, M08 X 1.25 X 070mm, 05.50 Eye	2
15	07786	(000000–	) Nut, Hex, Std, M8 X 1.25, Ss	4
16	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	2
17	1023307	(000000–	) Arm, Sqge, Side, Lh	2
18	71607	(000000–	) Bushing, Sleeve, 0.63b 0.72d 0.38l	3
19	81784	(000000–	) Cable, Glv .13d 015.8l .50eye /.50eye	1
20	360801	(000000–	) Sleeve, 0.31b 0.50d 0.3l, Ss	3
21	39308	(000000–	) Screw, Soc, M8 X 1.25 X 25, 12.9	1
22	41445	(000000–	) Screw, Soc, M8 X 1.25 X 35, 12.9	1
23	39349	(000000–	) Washer, Flat, 0.31 Sae	2
24	08709	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI	2
25	09028	(000000–	) Screw, Hex, M10 X 1.5 X 25, Ss	3
26	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	6
27	1023314	(000000–	) Door Wldt, Brush, Lh	1
28	59195	(000000–	) Latch, Hook	1
29	09007	(000000–	) Screw, Hex, M6 X 1.0 X 25, Ss	2
30	41185	(000000–	) Washer, Flat, Belleville, .25	5
31	379870	(000000–	) Screw, Hex, M12 X 1.75 X 55, Ss	1
32	07788	(000000–	) Nut, Hex, Std, M12 X 1.75, Ss	1
33	41619	(000000–	) Washer, Flat, 0.56b 1.38d .11, Ss	1
34	1024576	(000000–	) Hinge, .50pin .19 4.0w 06.0l 3/0.44sl	1
35	36328	(000000–	) Washer, Flat, Belleville, .50	1
36	1039348	(000000–	) Sleeve, 0.49b 0.68d 1.2l [304ss]	1

Fig. 54 – Solution Tank Group

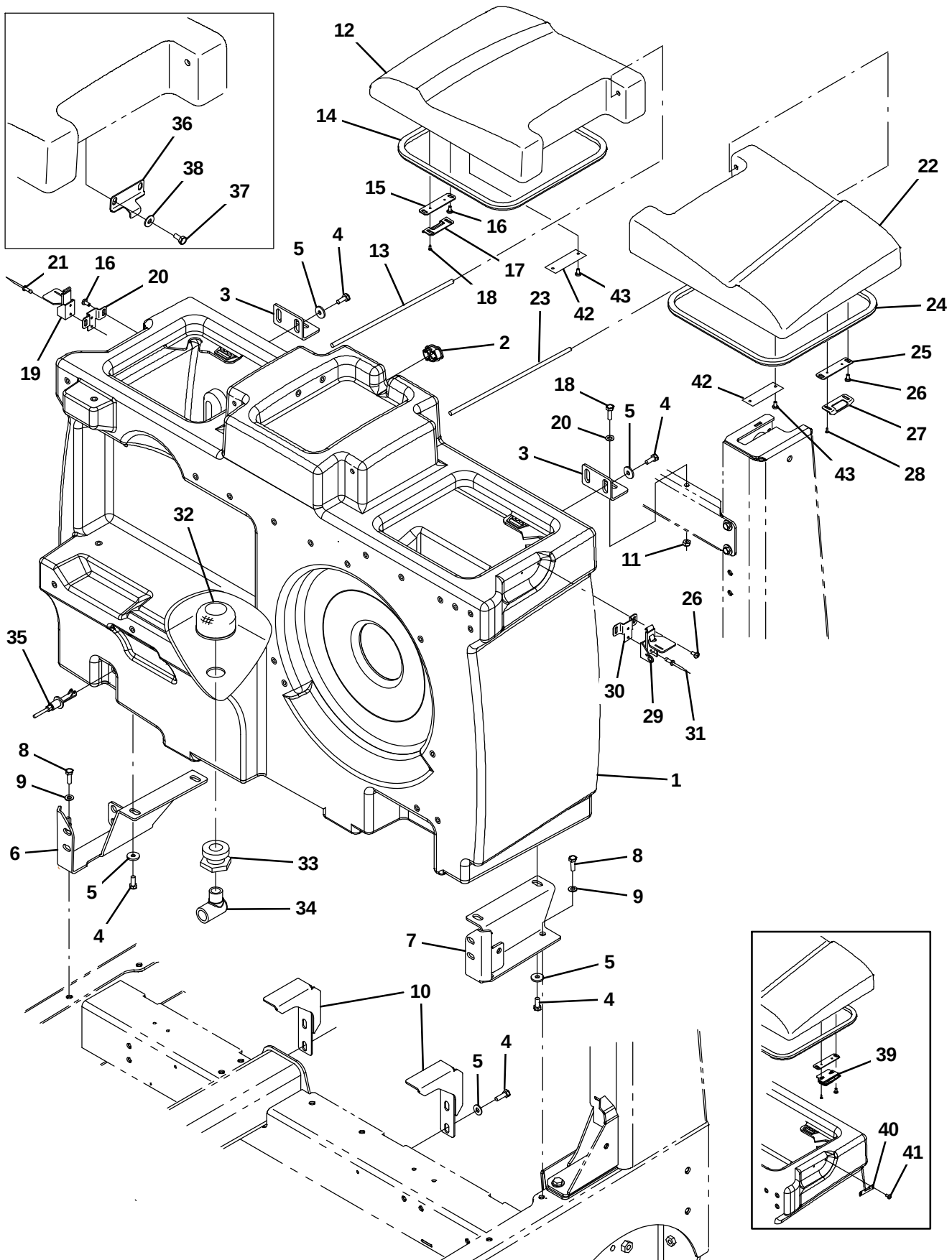


Fig. 54 – Solution Tank Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1027381	(002413–)	Tank, Soltn, W/ Label [M20]	1
1	9004117	(000000–002412)	Tank Kit, Soltn, W/ Bracket, Replmt	1
2	390994	(000000–)	Plug, Hole, Soltn Tank, Blk Pyu	1
3	1020209	(000000–)	Angle, Sppt, Tank, Rear	2
4	09740	(000000–)	Screw, Hex, M8 X 1.25 X 20, Ss	12
5	1017218	(000000–)	Washer, Flat, 0.32b 1.00d .12, Ss	12
6	1040306	(000000–)	Bracket Wldt, Tank, Soltn, Rh	1
7	1024591	(000000–)	Bracket, Tank, Soltn, Lh	1
8	09010	(000000–)	Screw, Hex, M8 X 1.25 X 25, Ss	4
9	39349	(000000–)	Washer, Flat, 0.31 Sae	4
10	1024389	(000000–)	Bracket, Soltn, Tank, Cntr	2
11	08713	(000000–)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	2
▽	9003069	(000000–)	Cover Kit, Soltn Tank, Rh [M20 & T20]	1
▲	12 1022176	(000000–)	Cover, Tank, Soltn, Rh, Trimmed	1
▲	13 1047098	(000000–)	Bar, Rnd, Plstc, 0.31d 12.5l	1
▲	14 1038805	(000000–)	Seal, Bulb, Str, .50Hi .50W 047.2L, Adh	1
▲	15 1039757	(002426–)	Plate, Mtg, Latch	1
▲	16 382320	(000000–)	Screw, Pan, Phl, 12–16 X 0.50, F/ Plstc	4
▲	17 1048474	(002798–)	Catch, Latch, Tank Cover	1
▲	18 1045964	(002798–)	Screw, Hex, M4 X 0.70 X 10, Fmg, Blk	2
▲	19 367949	(002798–)	Latch	1
▲	20 1048512	(002798–)	Bracket, Mtg, Latch, Tank Cover	1
▲	21 08875	(002798–)	Rivet, Blind, .125d X 0.54 X .25d, Alm	2
▽	9003071	(000000–)	Cover Kit, Tank, Soltn, Rh, Replmt, Ce (Japan and CE Only)	1
▲	12 1031233	(000000–)	Cover, Tank, Soltn, Rh, Trimmed, Ce (Japan and CE Only)	1
▲	13 1047098	(000000–)	Bar, Rnd, Plstc, 0.31d 12.5l	1
▲	14 1038805	(000000–)	Seal, Bulb, Str, .50Hi .50W 047.2L, Adh	1
▲	15 1039757	(002426–)	Plate, Mtg, Latch	1
▲	16 382320	(000000–)	Screw, Pan, Phl, 12–16 X 0.50, F/ Plstc	4
▲	17 1048474	(002798–)	Catch, Latch, Tank Cover	1
▲	18 1045964	(002798–)	Screw, Hex, M4 X 0.70 X 10, Fmg, Blk	2
▲	19 367949	(002798–)	Latch	1
▲	20 1048512	(002798–)	Bracket, Mtg, Latch, Tank Cover	1
▲	21 08875	(002798–)	Rivet, Blind, .125d X 0.54 X .25d, Alm	2

(CONTINUED)

Fig. 54 – Solution Tank Group

Ref.	Part No.	Serial Number	Description	Qty.
▽		9003068	(000000–) Cover Kit, Tank, Soltn, Lh, Replmt	1
▲	22	1022182	(000000–) Cover, Tank, Soltn, Lh, Trimmed	1
▲	23	1047098	(000000–) Bar, Rnd, Plstc, 0.31d 12.5l	1
▲	24	1038805	(000000–) Seal, Bulb, Str, .50Hi .50W 047.2L, Adh	1
▲	25	1039757	(002426–) Plate, Mtg, Latch	1
▲	26	382320	(000000–) Screw, Pan, Phl, 12–16 X 0.50, F/ Plstc	4
▲	27	1048474	(002798–) Catch, Latch, Tank Cover	1
▲	28	1045964	(002798–) Screw, Hex, M4 X 0.70 X 10, Fmg, Blk	2
▲	29	367949	(002798–) Latch	1
▲	30	1048512	(002798–) Bracket, Mtg, Latch, Tank Cover	1
▲	31	08875	(002798–) Rivet, Blind, .125d X 0.54 X .25d, Alm	2
▽		9003070	(000000–) Cover Kit, Tank, Soltn, Lh, Replmt, Ce (Japan and CE Only)	1
▲	22	1031235	(000000–) Cover, Tank, Soltn, Lh, Trimmed, Ce (Japan and CE Only)	1
▲	23	1047098	(000000–) Bar, Rnd, Plstc, 0.31d 12.5l	1
▲	24	1038805	(000000–) Seal, Bulb, Str, .50Hi .50W 047.2L, Adh	1
▲	25	1039757	(002426–) Plate, Mtg, Latch	1
▲	26	382320	(000000–) Screw, Pan, Phl, 12–16 X 0.50, F/ Plstc	4
▲	27	1048474	(002798–) Catch, Latch, Tank Cover	1
▲	28	1045964	(002798–) Screw, Hex, M4 X 0.70 X 10, Fmg, Blk	2
▲	29	367949	(002798–) Latch	1
▲	30	1048512	(002798–) Bracket, Mtg, Latch, Tank Cover	1
▲	31	08875	(002798–) Rivet, Blind, .125d X 0.54 X .25d, Alm	2
	32	1027290	(000000–) Filter, Soltn, 20mesh, Pm12 3.1d 02.6l	1
	33	377349	(000000–) Fitting, Plstc, Pf12/Pf12, Bh	1
	34	69785	(000000–) Fitting, Plstc, E90, Pf12/Pm12	1
	35	385685	(000000–) Sensor, Level, Liq, 14vdc 01a .62–11	1
	36	1020428	(000000–002425) Bracket, Latch, Cover	2
	37	09744	(000000–002425) Screw, Hex, M6 X 1.00 X 12, Ss	4
	38	01684	(000000–002425) Washer, Flat, 0.27b 0.69d .05, Ss	4
	39	1030617	(002426–002797) Latch, Cover	2
	40	1029748	(002426–002797) Bracket, Keeper, Latch	2
	41	382320	(002426–002797) Screw, Pan, Phl, 12–16 X 0.50, F/ Plstc	4
	42	1017101	(000000–) Plate, Label, Soltn Tank (ec–H2O only)	2
	43	360973	(000000–) Screw, Pan, 12–16 X 0.50, F/ Plstc (ec–H2O only)	4

Fig. 55 – Solution Tank Drain Group

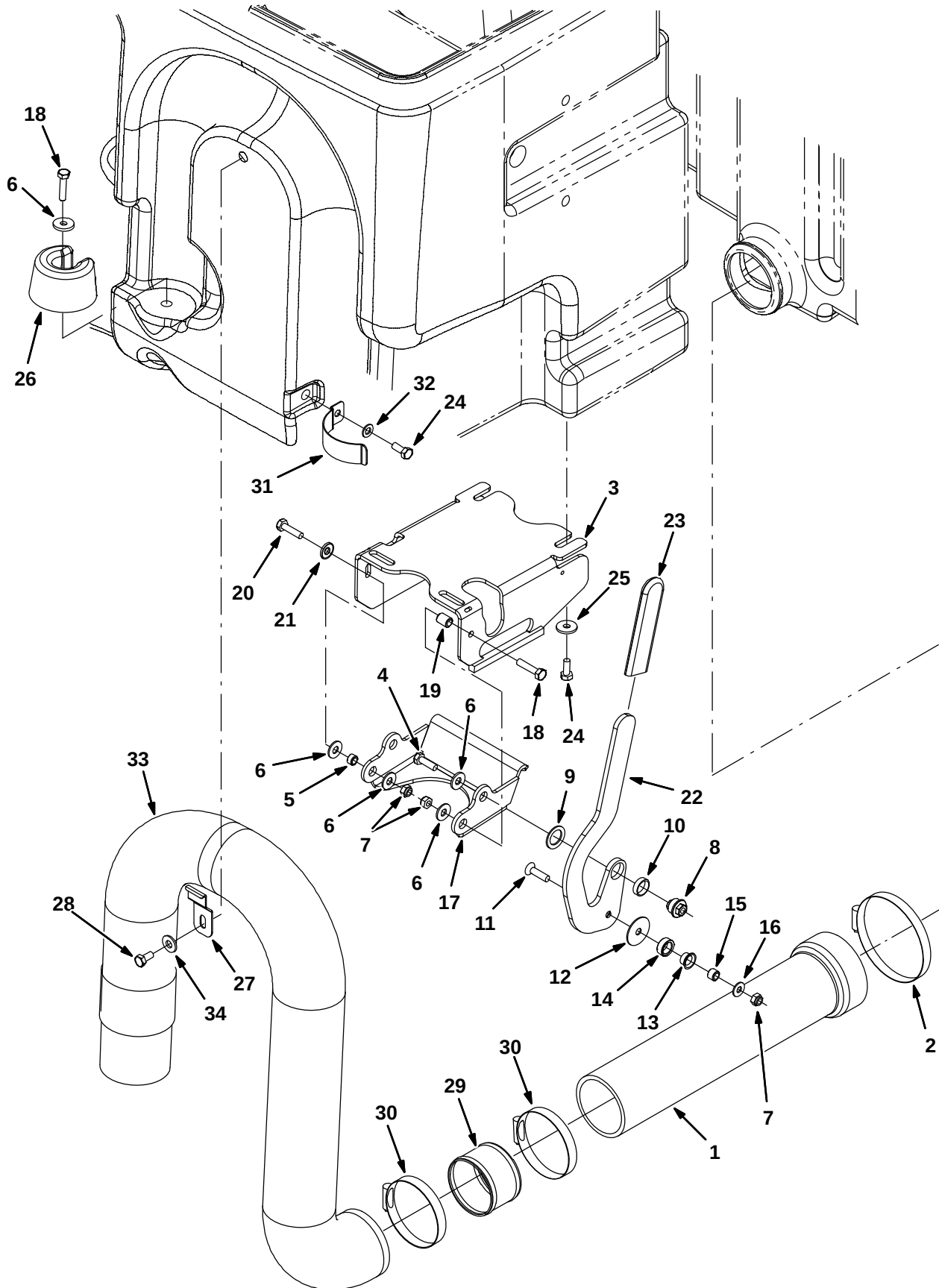


Fig. 55 – Solution Tank Drain Group

Ref.	Part No.	Serial Number	Description	Qty.
1	9003793	(000000–	) Tube Kit, Tank, Soltn, Replmt	1
2	23498	(000000–	) Clamp, Hose, Wormdrive, 3.56–4.50d, .50w	1
3	1042003	(000000–	) Mount Wldt, Valve, Pinch, Rh	1
4	39277	(000000–	) Screw, Hex, M8 X 1.25 X 25, 8.8	1
5	222516	(000000–	) Sleeve, P/M, 0.31b 0.50d 0.3l [430ss]	1
6	32491	(000000–	) Washer, Flat, 0.31, Std	5
7	08713	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	3
8	1024599	(000000–	) Bushing, Eccentric, Adj	1
9	1026051	(000000–	) Washer, Flat, 0.79b 1.18d .06, Nyl	1
10	74090	(000000–	) Bushing, Sleeve, 0.75b 0.88d 0.25l	1
11	79506	(000000–	) Screw, Flt, M8 X 1.25 X 30, Ss	1
12	1028701	(000000–	) Washer, Thrust, 0.34b 1.50d .06	1
13	15648	(000000–	) Bushing, Flng, 0.50b 0.59d 0.38l	1
14	1028691	(000000–	) Roller, Brg	1
15	1028690	(000000–	) Tube, 0.50d 0.32b 00.4l, Ss	1
16	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	1
17	1024535	(000000–	) Arm, Pinch	1
18	06955	(000000–	) Screw, Hex, M8 X 1.25 X 35, 8.8	2
19	80395	(000000–	) Sleeve, P/M, 0.31b 0.50d 0.7l [430ss]	1
20	76570	(000000–	) Screw, Hex, M8 X 1.25 X 30, 8.8	1
21	41186	(000000–	) Washer, Flat, Belleville, .31	1
22	1026727	(000000–	) Handle, Valve, Pinch, Rh	1
23	1023502	(000000–	) Grip, Handle	1
24	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	5
25	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	4
26	1022137	(000000–	) Plug, Hose, Pyu	1
27	1025480	(000000–	) Bracket, Retaining, Hose	1
28	15675	(000000–	) Screw, Hex, M8 X 1.25 X 16, Ss	1
29	1041953	(000000–	) Tube, 2.90id 3.00od 02.4l, Ss	2
30	43555	(000000–	) Clamp, Hose, Wormdrive, 2.50–3.50d, .50w	2
31	1024558	(000000–	) Strap, Retaining, Hose	1
32	39349	(000000–	) Washer, Flat, 0.31 Sae	1
33	1019424	(000000–	) Hose, Drain, 3.00id X 48.0l	1
34	01685	(000000–	) Washer, Flat, 0.31, Ss	2

Fig. 56 – Solution Control Group

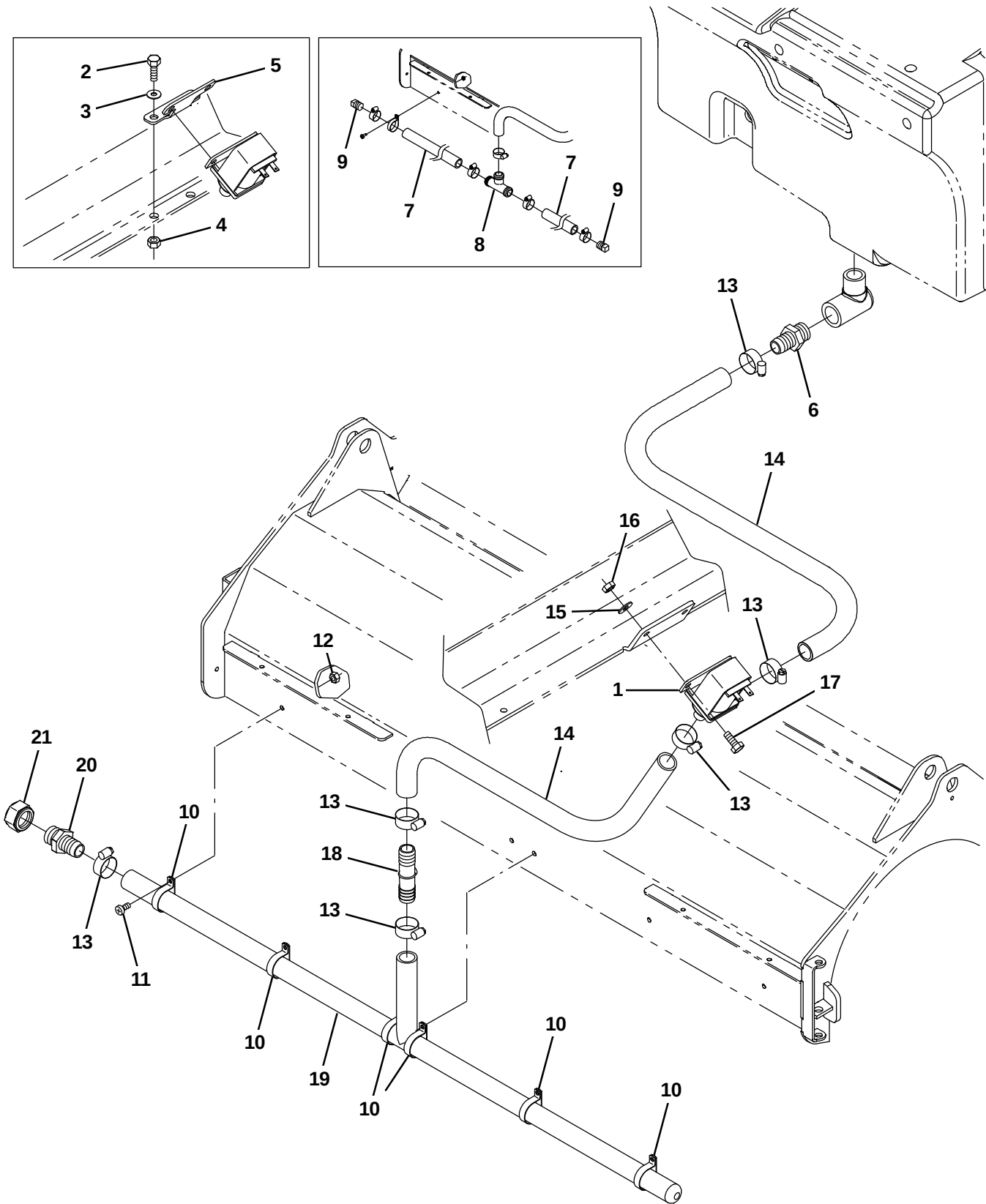


Fig. 56 – Solution Control Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1022088	(000000-003856)	Valve Assy, Water, Solenoid , 12vdc	1
1	1067700	(003857-)	Valve Assy, Water, Solenoid , 12vdc	1
2	08716	(000000-002241)	Screw, Hex, M6 X 1.0 X 20, Ss	2
3	01684	(000000-002241)	Washer, Flat, 0.25, Ss	2
4	08712	(000000-002241)	Nut, Hex, Lock, M6 X 1.0, Ss, NI	2
5	1028074	(000000-002241)	Bracket, Mtg, Valve	1
6	79273-2	(000000-)	Fitting, Plstc, Str, Bm12/Pm12	1
7	1029185	(000000-002143)	Tube, Distribution, Water	2
8	41315	(000000-002143)	Fitting, Plstc, Tee, Bm12/Bm12/Bm12	1
9	17521	(000000-002143)	Fitting, Pipe, Plug, Pm08, Sq Head	2
10	50544	(000000-)	Clamp, Cable, Ss, 1.12d X 0.38w, 1h	6
11	09200	(000000-)	Screw, Pan, M5 X 0.8 X 12, Ss	6
12	09739	(000000-)	Nut, Hex, Lock, M5 X 0.8, NI, Ss	6
13	63810	(000000-)	Clamp, Hose, Wormdrive, 0.56-1.06d, .56w	8
14	1015045	(000000-)	Hose, Afmkt, Pvc, Brd 0.75id 08ft	1
15	01684	(000000-)	Washer, Flat, 0.25, Ss	2
16	08712	(000000-)	Nut, Hex, Lock, M6 X 1.0, Ss, NI	2
17	08716	(000000-)	Screw, Hex, M6 X 1.0 X 20, Ss	2
18	1038074	(002144-)	Fitting, Plstc, Str, Bm12/Bm12	1
19	1036997	(002144-)	Manifold, Bar, Spray, 37.5inch	1
20	79273-2	(002144-)	Fitting, Plstc, Str, Bm12/Pm12	1
21	1039064	(002144-)	Fitting, Plstc, Cap, Pf12 Hex	1

Fig. 57 – Recovery Tank Group

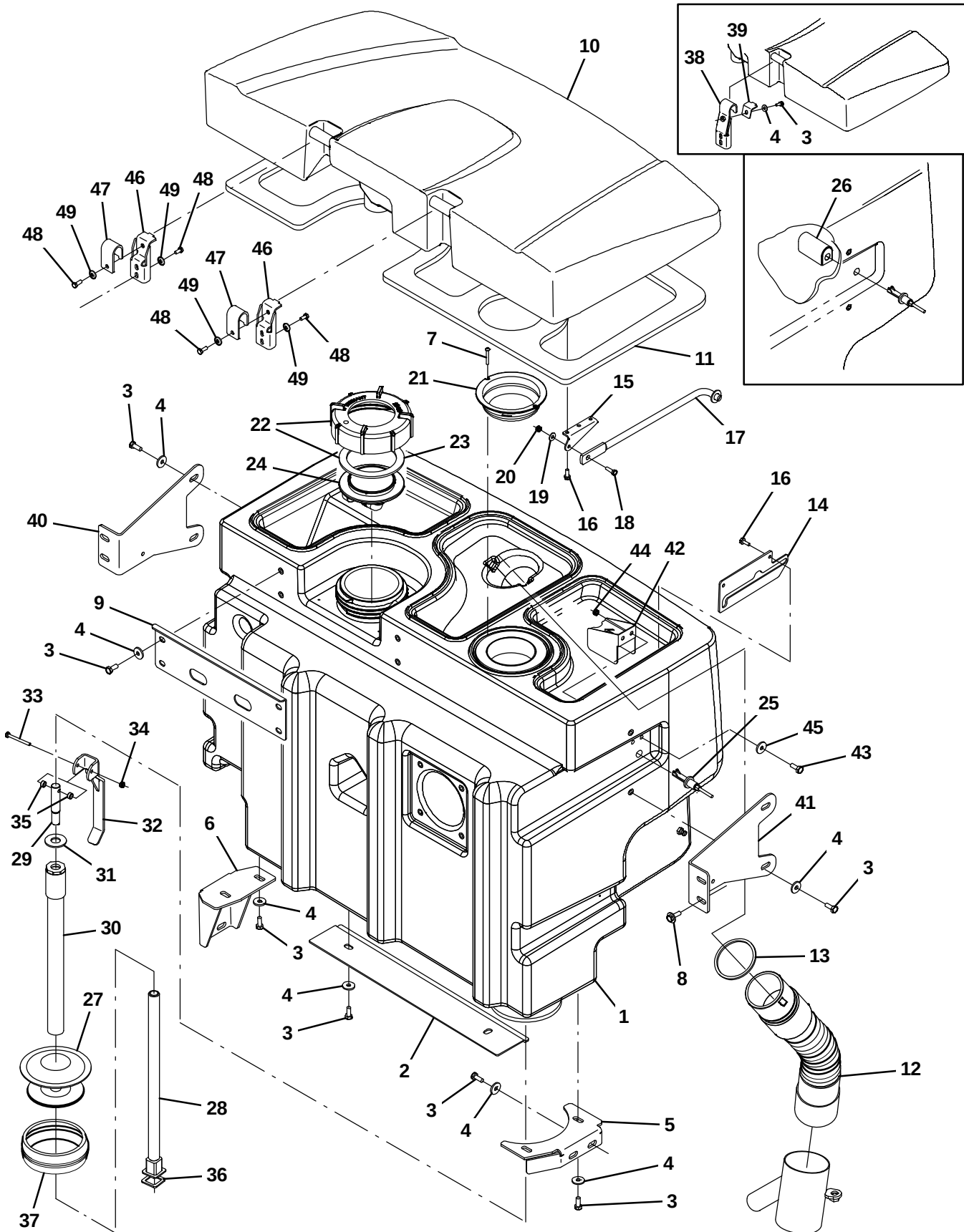


Fig. 57 – Recovery Tank Group

Ref.	Part No.	Serial Number	Description	Qty.
	1	1021419	(000000–) Tank, Recvy, Trimmed	1
	2	1024403	(000000–) Plate, Tank, Bottom	1
	3	09740	(000000–) Screw, Hex, M8 X 1.25 X 20, Ss	17
	4	1017218	(000000–) Washer, Flat, 0.32b 1.00d .12, Ss	15
	5	1020335	(000000–) Bracket, Sppt, Tank, Lh	1
	6	1020331	(000000–) Bracket, Sppt, Tank, Rh	1
	7	382320	(000000–) Screw, Pan, #12–16 X 0.50, F/ Plstc	2
	8	1037346	(000000–) Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	4
	9	1021090	(000000–) Plate, Sppt, Tank	1
	10	1022167	(000000–) Cover, Tank, Recvy, Trimmed	1
	11	1021879	(000000–) Gasket, Cover, Recvy Tank	1
	12	1031610	(000000–) Hose Assy, Sqge	1
	13	1021920	(000000–) Gasket, 3.23id 3.63od .16th, Ure	1
	14	1025620	(000000–) Plate, Mtg, Prop Rod	1
	15	1025619	(000000–) Bracket, Mtg, Prop Rod	1
	16	1046798	(000000–) Screw, Hex, .25–14 X 0.75, Fmg/Ab, Ss	4
	17	54615	(000000–) Arm Wldt, Safety, Sppt, Seat, .38d 10.1l	1
	18	08716	(000000–) Screw, Hex, M6 X 1.0 X 20, Ss	1
	19	01684	(000000–) Washer, Flat, 0.25, Ss	1
	20	08712	(000000–) Nut, Hex, Lock, M6 X 1.0, Ss, NI	1
	21	1026014	(000000–) Screen, Vacuum	1
▽	22	24358	(000000–) Cap Assy, Tank, Drain	1
▲	23	1031699	(000000–) Gasket, 4.05id 5.29od .19 [Buna]	1
	24	86636	(000000–) Cover, Tank	1
	25	385685	(000000–) Sensor, Level, Liq, 14vdc 01a .62–11	1
	26	9003449	(000000–002024) Cover Kit, Switch, Float, Repair	1
▽		9003313	(000000–) Plug Kit, Drain, Recvy, Ci [M20 & T20]	1
▲	27	1022370	(000000–) Plug, Drain, Expandable, 4.75–6.00	1
▲	28	1028328	(000000–) Tube Wldt, Plug, Drain	1
▲	29	1028173	(000000–) Pin, Lift, Drain	1
▲	30	1028570	(000000–) Tube Assy, Plug, Drain	1
▲	31	1028522	(000000–) Washer, Flat, .78b 1.75d .18, Ss	1
▲	32	1028211	(000000–) Handle Wldt, Drain	1
▲	33	58979	(000000–) Screw, Hex, M6 X 1.0 X 55, Ss	1
▲	34	08712	(000000–) Nut, Hex, Lock, M6 X 1.0, Ss, NI	1
▲	35	360801	(000000–) Sleeve, 0.31b 0.50d 0.3l, Ss	2
▲	36	1035044	(000000–) Seal, Shaft, Drain Plug	1
▲	37	1039652	(000000–) Seal, Plug, Drain, Nitrile	1
	38	1020065	(000000–002418) Bracket, Mtg, Cover (Replaced by 9003893)	2
	39	1020263	(000000–002418) Bracket, Retaining, Cover (Replaced by 9003893)	2
	40	1038941	(000000–) Bracket, Sppt, Tank, Rh	1
	41	1038927	(000000–) Bracket, Sppt, Tank, Lh	1
	42	1037816	(002025–) Bracket, Protector, Float Switch	1
	43	09007	(002025–) Screw, Hex, M6 X 1.00 X 25, Ss	2
	44	08712	(002025–) Nut, Hex, Lock, M6 X 1.00, Ss, NI	2
	45	76426	(002025–) Washer, Sealing, 0.28b 0.75d Ss, Neo	2
	46	1039072	(002419–) Bracket, Sppt, Cover, Tank, Recvy	2
	47	1039049	(002419–) Bracket, Mtg, Cover, Recvy Tank	2
	48	16735	(002419–) Screw, Hex, M8 X 1.25 X 16, 8.8	6
	49	32491	(002419–) Washer, Flat, 0.31, Std	6

Fig. 58 – Recovery Tank Drain Group

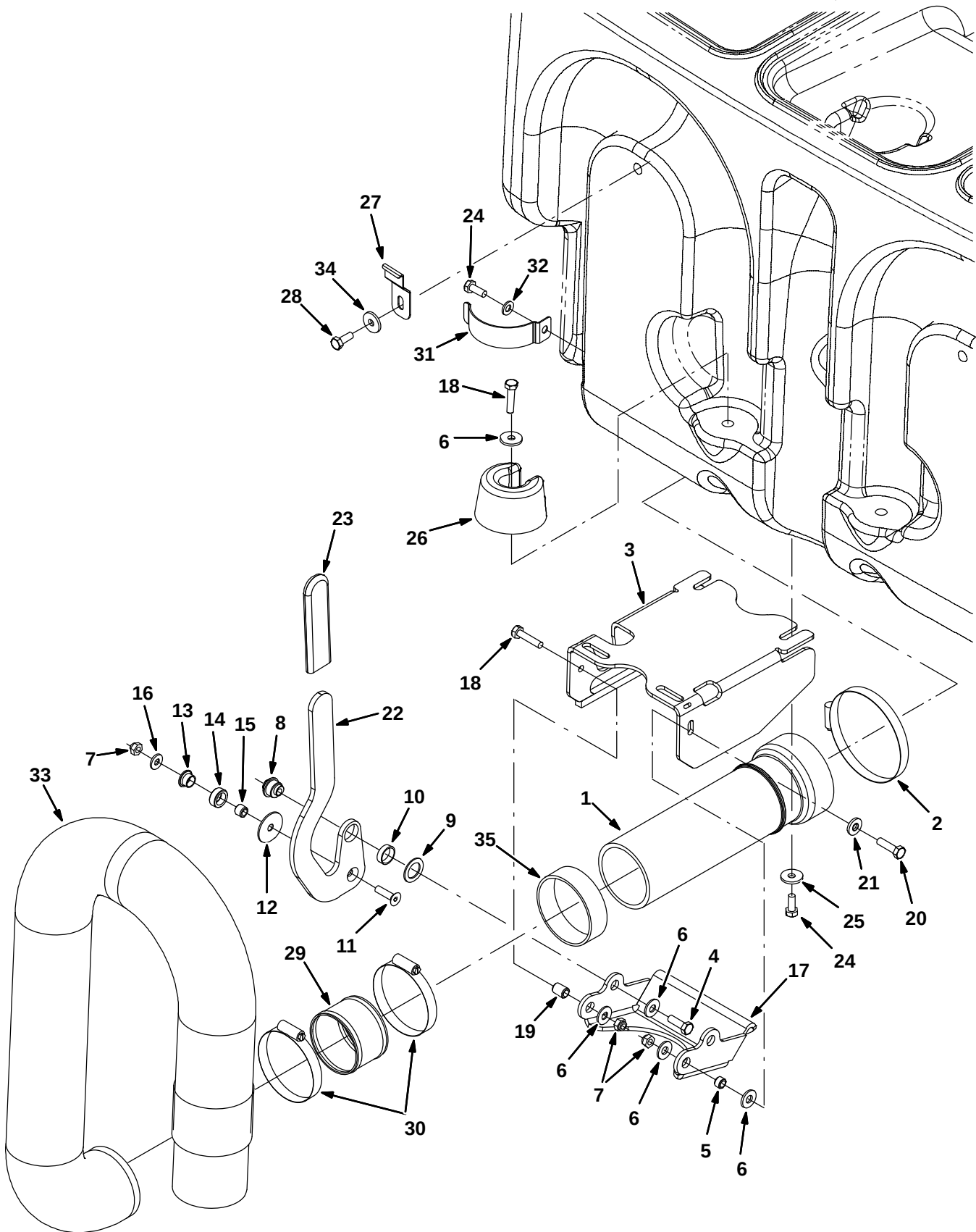


Fig. 58 – Recovery Tank Drain Group

Ref.	Part No.	Serial Number	Description	Qty.
1	9003794	(000000–	) Tube Kit, Tank, Recvy, Replmt	1
2	23498	(000000–	) Clamp, Hose, Wormdrive, 3.56–4.50d, .50w	1
3	1042010	(000000–	) Mount Wldt, Valve, Pinch, Lh	1
4	39277	(000000–	) Screw, Hex, M8 X 1.25 X 25, 8.8	1
5	222516	(000000–	) Sleeve, P/M, 0.31b 0.50d 0.3l [430ss]	1
6	32491	(000000–	) Washer, Flat, 0.31, Std	5
7	08713	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI, Ss	3
8	1024599	(000000–	) Bushing, Eccentric, Adj	1
9	1026051	(000000–	) Washer, Flat, 0.79b 1.18d .06, Nyl	1
10	74090	(000000–	) Bushing, Sleeve, 0.75b 0.88d 0.25l	1
11	79506	(000000–	) Screw, Flt, M8 X 1.25 X 30, Ss	1
12	1028701	(000000–	) Washer, Thrust, 0.34b 1.50d .06	1
13	15648	(000000–	) Bushing, Flng, 0.50b 0.59d 0.38l	1
14	1028691	(000000–	) Roller, Brg	1
15	1028690	(000000–	) Tube, 0.50d 0.32b 00.4l, Ss	1
16	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	1
17	1024535	(000000–	) Arm, Pinch	1
18	06955	(000000–	) Screw, Hex, M8 X 1.25 X 35, 8.8	2
19	80395	(000000–	) Sleeve, P/M, 0.31b 0.50d 0.7l [430ss]	1
20	76570	(000000–	) Screw, Hex, M8 X 1.25 X 30, 8.8	1
21	41186	(000000–	) Washer, Flat, Belleville, .31	1
22	1027039	(000000–	) Handle, Valve, Pinch, Lh	1
23	1023502	(000000–	) Grip, Handle	1
24	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	5
25	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	2
26	1022137	(000000–	) Plug, Hose, Pyu	2
27	1025480	(000000–	) Bracket, Retaining, Hose	1
28	15675	(000000–	) Screw, Hex, M8 X 1.25 X 16, Ss	1
29	1041953	(000000–	) Tube, 2.90id 3.00od 02.4l, Ss	1
30	43555	(000000–	) Clamp, Hose, Wormdrive, 2.50–3.50d, .50w	2
31	1024558	(000000–	) Strap, Retaining, Hose	1
32	39349	(000000–	) Washer, Flat, 0.31 Sae	1
33	1019424	(000000–	) Hose, Drain, 3.00id X 48.0l	1
34	01685	(000000–	) Washer, Flat, 0.31, Ss	2
35	1031309	(000000–	) Tube, Acrylic, Hose, Pinch	1

Fig. 59 – Vacuum Fan Group, Scrubbing

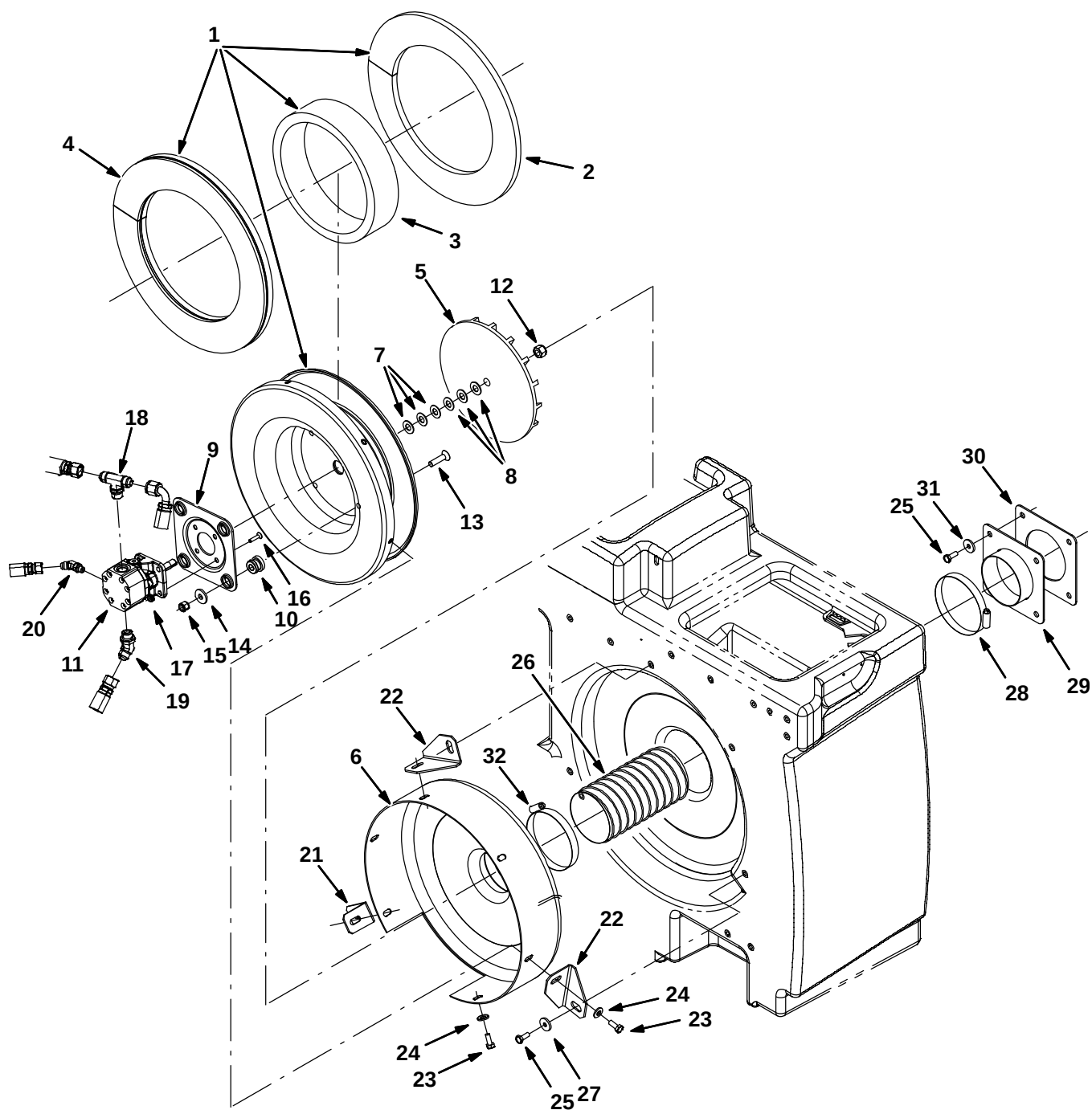


Fig. 59 – Vacuum Fan Group, Scrubbing

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9003455	(000000–	) Fan Kit, Scrub, Replmt [M20/T20]	1
▲▽	1	9002684	(000000–	) Housing Assy, Vacfan, Scrbr	1
▲▲	2	1025888	(000000–	) Insulation, Flame-Retardant, 0.50	1
▲▲	3	1025887	(000000–	) Insulation, Flame-Retardant, 0.75–0.88	1
▲▲	4	1025872	(000000–	) Insulation, Flame-Retardant, 0.75–0.88	1
▲	5	03922	(000000–	) Impeller, 9.5d, 18 Bl	1
▲	6	57189	(000000–	) Housing Wldt, Vacfan, Front [528]	1
▲	7	75456-3	(000000–	) Shim, Washer, 0.88d 0.51b .020	3
▲	8	75456-4	(000000–	) Shim, Washer, 0.88d 0.51b .060	3
▲	9	54275A	(000000–	) Bracket, Mtg, Motor	1
▲	10	54274	(000000–	) Isolator, Vib, Bshg, 1.1d 0.6l .4b 0.78h	4
▲▽	11	9003461	(000000–	) Motor Kit, Replmt [M20&T20]	1
▲▲		00954	(000000–	) Key, Sq, 0.12 X 0.12, 1.00l (Included With Motor)	1
▲▲		74233	(000000–	) Kit, Seal, Motor, Hyd, Gear[Barns]	1
▲▲	12	41130	(000000–	) Nut, Low Crown, .50–20	1
▲▲	13	54861	(000000–	) Screw, Flt, .38–16 X 1.50, Al	4
▲▲	14	1014563	(000000–	) Washer, Flat, 0.40b 1.12d .12, Ss	4
▲▲	15	36643	(000000–	) Nut, Hex, Lock, .38–16, NI, Thin	4
▲▲	16	39534	(000000–	) Screw, Flt, .25–20 X 1.00, Al	4
▲▲	17	32981	(000000–	) Nut, Hex, Lock, .25–20, NI	4
▲▲	18	49933	(000000–	) Fitting, Hyd, Tee, Jm08/Jm08/Om08, Br	1
▲▲	19	42226	(000000–	) Fitting, Hyd, E45, Jm08/Om08	1
▲▲	20	392609	(000000–	) Fitting, Hyd, E45, Jm06/Om04	1
▲	21	1020320	(000000–	) Angle, Sppt, Fan	1
▲	22	1024891	(000000–	) Bracket, Mtg, Fan	2
▲	23	16931	(000000–	) Screw, Hex, M8 X 1.25 X 20, 8.8	6
▲	24	41186	(000000–	) Washer, Flat, Belleville, .31	6
	25	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	7
	26	1022377	(000000–	) Hose, Air-Intk, Flex 4.00id 18.0l	1
	27	1014563	(000000–	) Washer, Flat, 0.40b 1.12d .12, Ss	3
	28	79380	(000000–	) Clamp, Hose, Wormdrive, 3.75–4.62d, .62w	1
	29	1023754	(000000–	) Plate Wldt, Hose, Vacuum	1
	30	1024853	(000000–	) Gasket, Plt, Hose, Vacuum	1
	31	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	4
	32	23498	(000000–	) Clamp, Hose, Wormdrive, 3.56–4.50D, .50W	1

Fig. 60 – Vacuum Fan Group, Sweeping

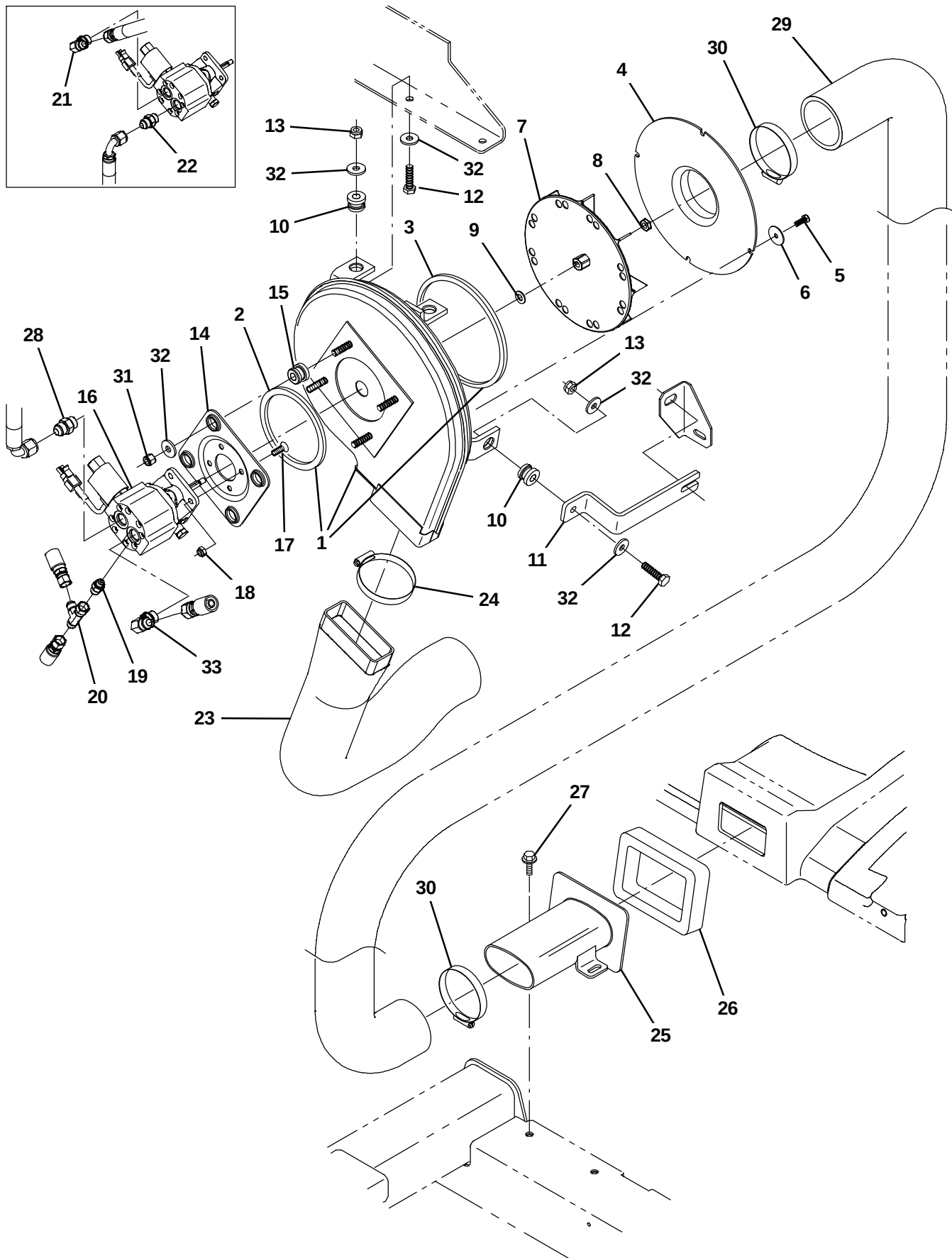


Fig. 60 – Vacuum Fan Group, Sweeping

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	9002683	(000000–	) Housing Assy, Vacfan, Swpr	1
▲	2	59967	(000000–	) Seal, Ure, 0.38 0.75w 13.2l Adh	1
▲	3	59735	(000000–	) Seal, Ure, 0.38 0.75w 33.0l Adh	1
	4	1018216	(000000–	) Fan Wldt, Vac, Inlet	1
	5	34323	(000000–	) Screw, Hex, .25–20 X 0.75, NI	4
	6	41178	(000000–	) Washer, Flat, 0.25 Fender	4
	7	74454	(000000–	) Impeller, 9.00d X 1.40w X 0.376b	1
	8	31241	(000000–	) Nut, Hex, Lock, .31–24, NI, Thin	1
	9	32485	(000000–	) Washer, Flat, 0.38 Sae	1
	10	59649	(000000–	) Isolator, Vib, Bshg, 1.1d 0.6l .4b 0.78h	3
	11	1034388	(000000–	) Bar, Isolator, Vacfan [M20 2007]	1
	12	39285	(000000–	) Screw, Hex, M10 X 1.5 X 40, 8.8	3
	13	41430	(000000–	) Nut, Hex, Lock, M10 X 1.5, NI	3
	14	54275A	(000000–	) Bracket, Mtg, Motor	1
	15	54274	(000000–	) Isolator, Vib, Bshg, 1.1d 0.6l .4b 0.78h	4
	16	53485	(000000–	) Motor, Hyd, Gear, [Ex] .194 R 3000 (See Breakdowns)	1
	17	07810	(000000–	) Screw, Flt, M8 X 1.25 X 25, 10.9	4
	18	08709	(000000–	) Nut, Hex, Lock, M8 X 1.25, NI	4
	19	50960	(000000–	) Fitting, Hyd, Str, Jm06/Om04	1
	20	42215	(000000–	) Fitting, Hyd, Tee, Jf06/Jm06/Jm06, Run	1
	21	44868	(000000–001337	) Fitting, Hyd, E90, Jm08/Om08	1
	22	44869	(000000–001337	) Fitting, Hyd, Str, Jm08/Om08	1
	23	1025756	(000000–	) Muffler, Vacfan, 4.0id	1
	24	23498	(000000–	) Clamp, Hose, Wormdrive, 3.56–4.50d, .50w	1
	25	1025841	(000000–	) Tube, Transition, Casting	1
	26	1018209	(000000–	) Gasket, Hppr, Transition	1
	27	1037346	(000000–	) Screw, Hex, M8 X 1.25 X 25, 9.8, Sems	2
	28	44869	(001338–	) Fitting, Hyd, Str, Jm08/Om08	1
	29	1018252	(000000–	) Hose, Flex, Vacuum, 3.5d 32.0l	1
	30	23498	(000000–	) Clamp, Hose, Wormdrive, 3.56–4.50d, .50w	2
	31	36643	(000000–	) Nut, Hex, Lock, .38–16, NI, Thin	4
	32	1014563	(000000–	) Washer, Flat, 0.40b 1.12d .12, Ss	10
	33	44868	(001338–	) Fitting, Hyd, E90, Jm08/Om08	1

Fig. 61 – Hydraulic Schematic (000000–002699)

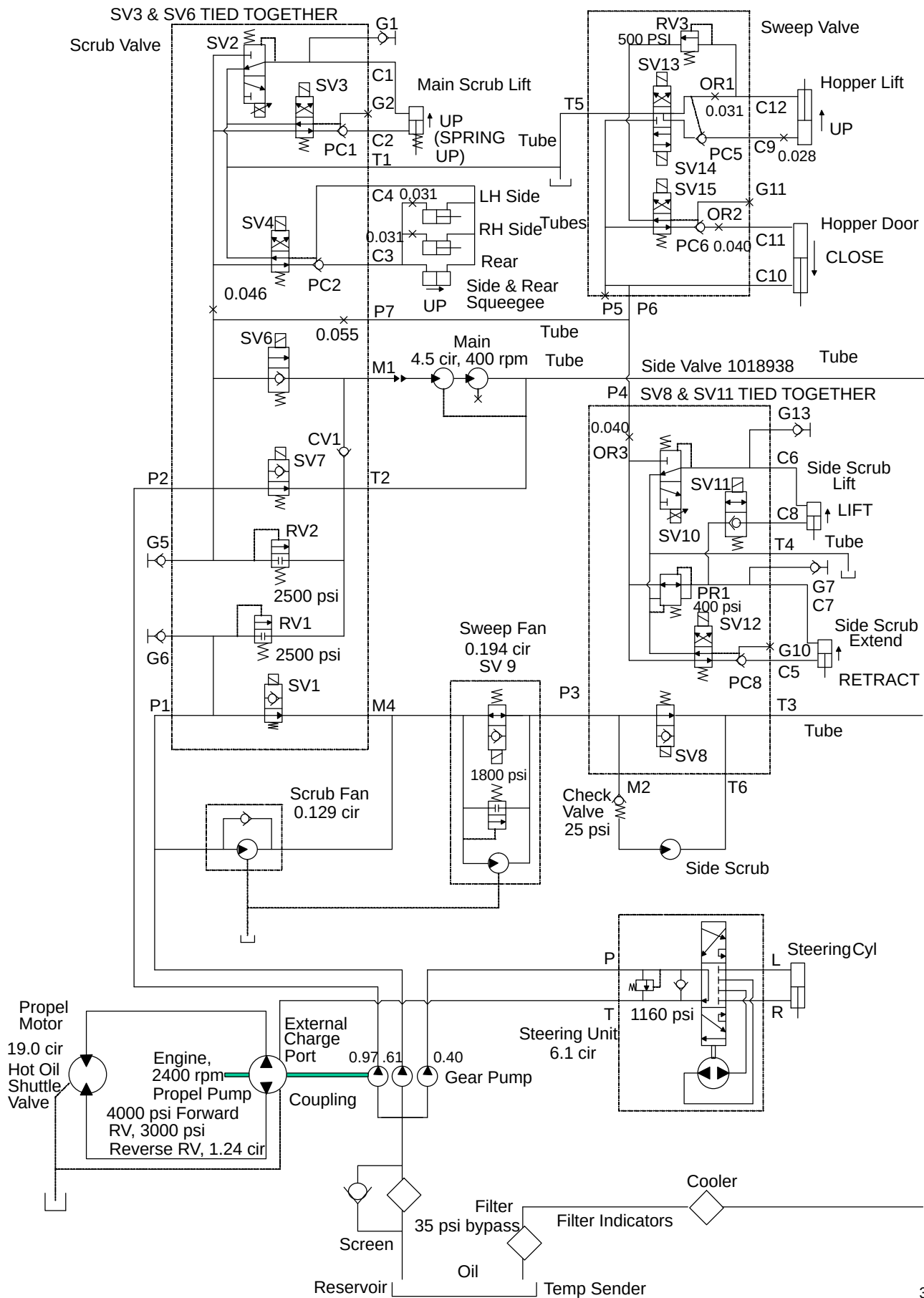
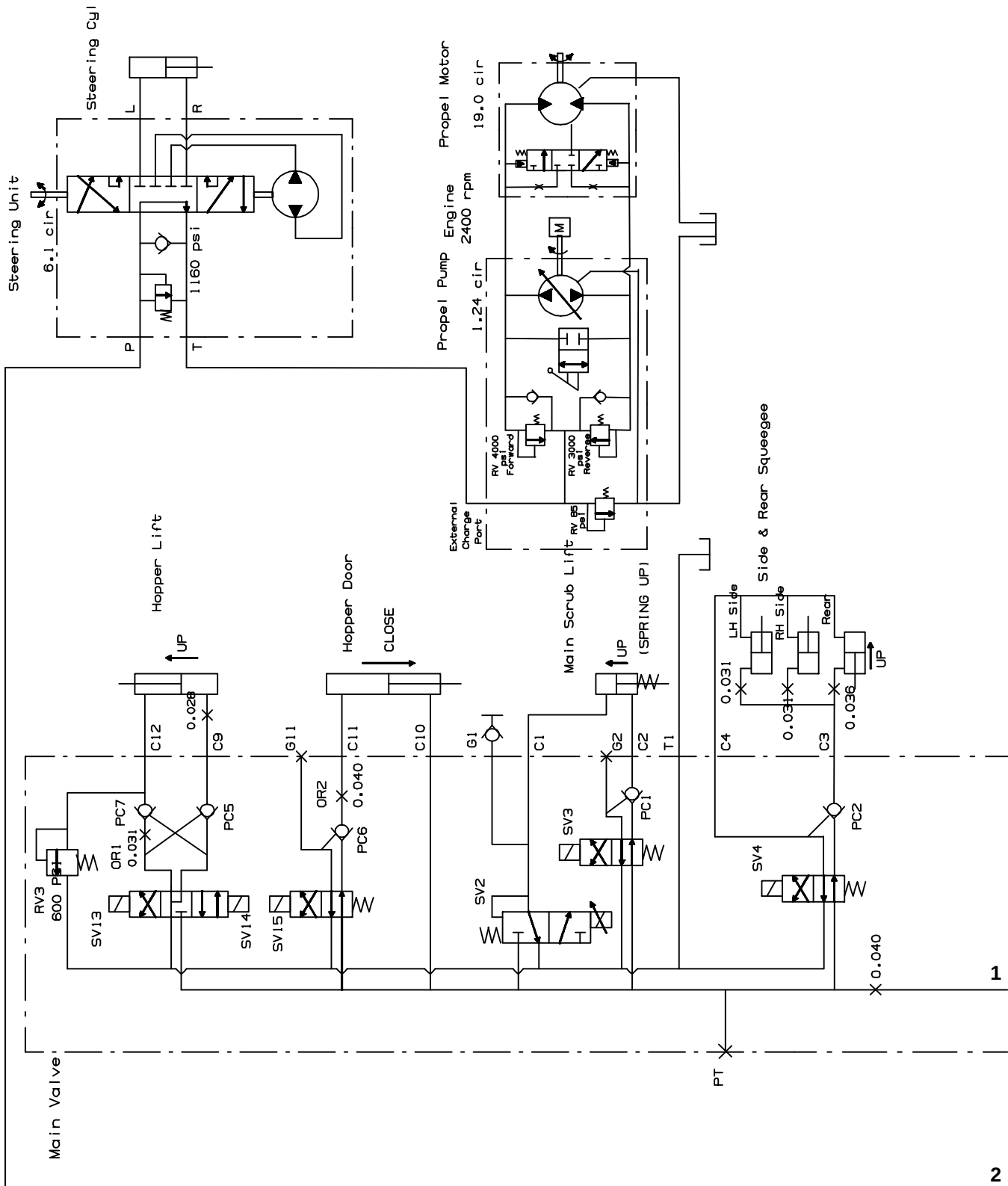


Fig. 62 – Hydraulic Schematic (002700–003297)

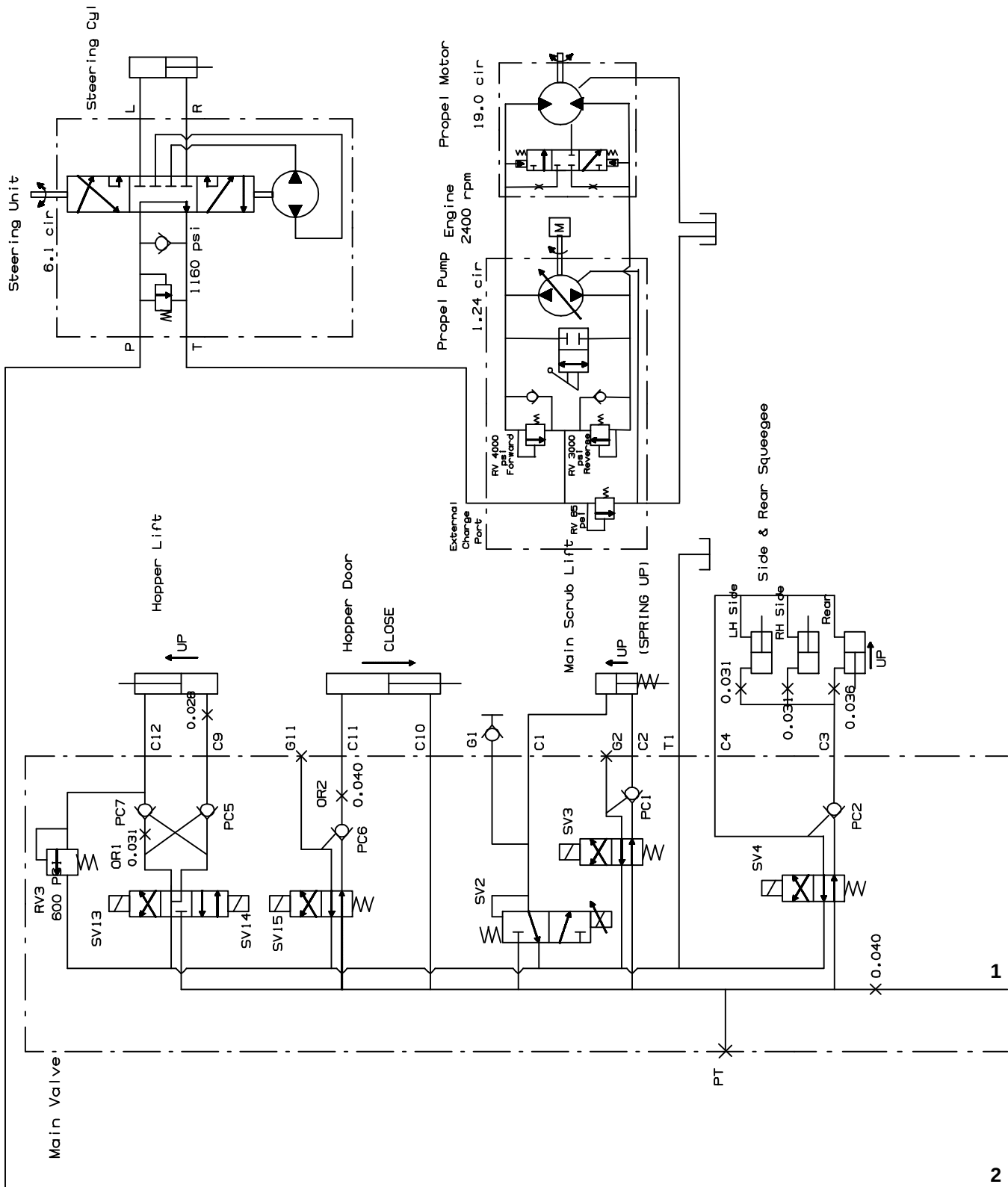


354453, 1018547 – M20

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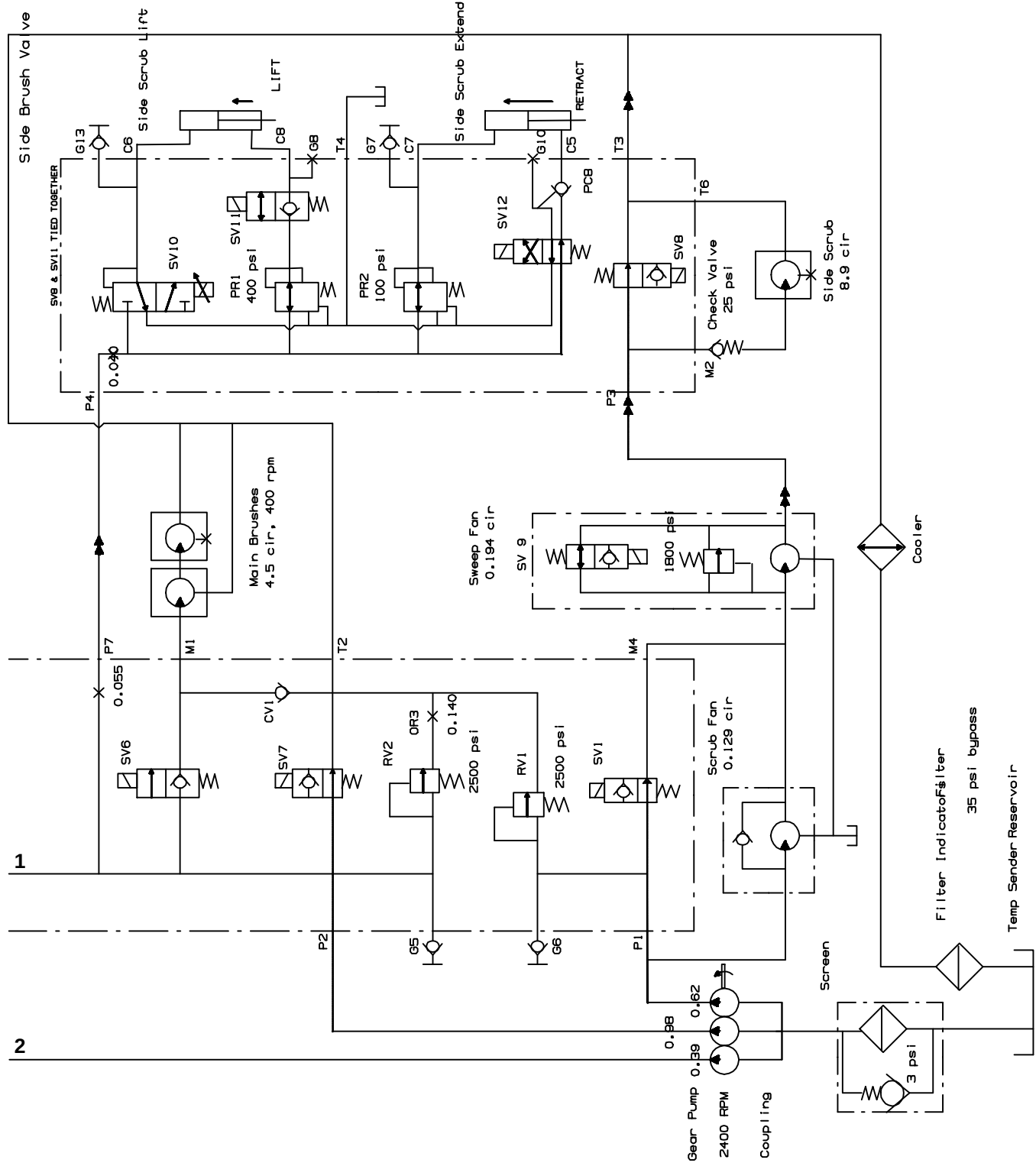
M20 Gas/LPG 331381 (1-12)

Fig. 63 – Hydraulic Schematic (003298-)



354453, 1018547 – M20

Fig. 63 – Hydraulic Schematic (003298–)



354453, 1018547 – M20

Fig. 64 - Hydraulic Hose Group, Steering and Propel

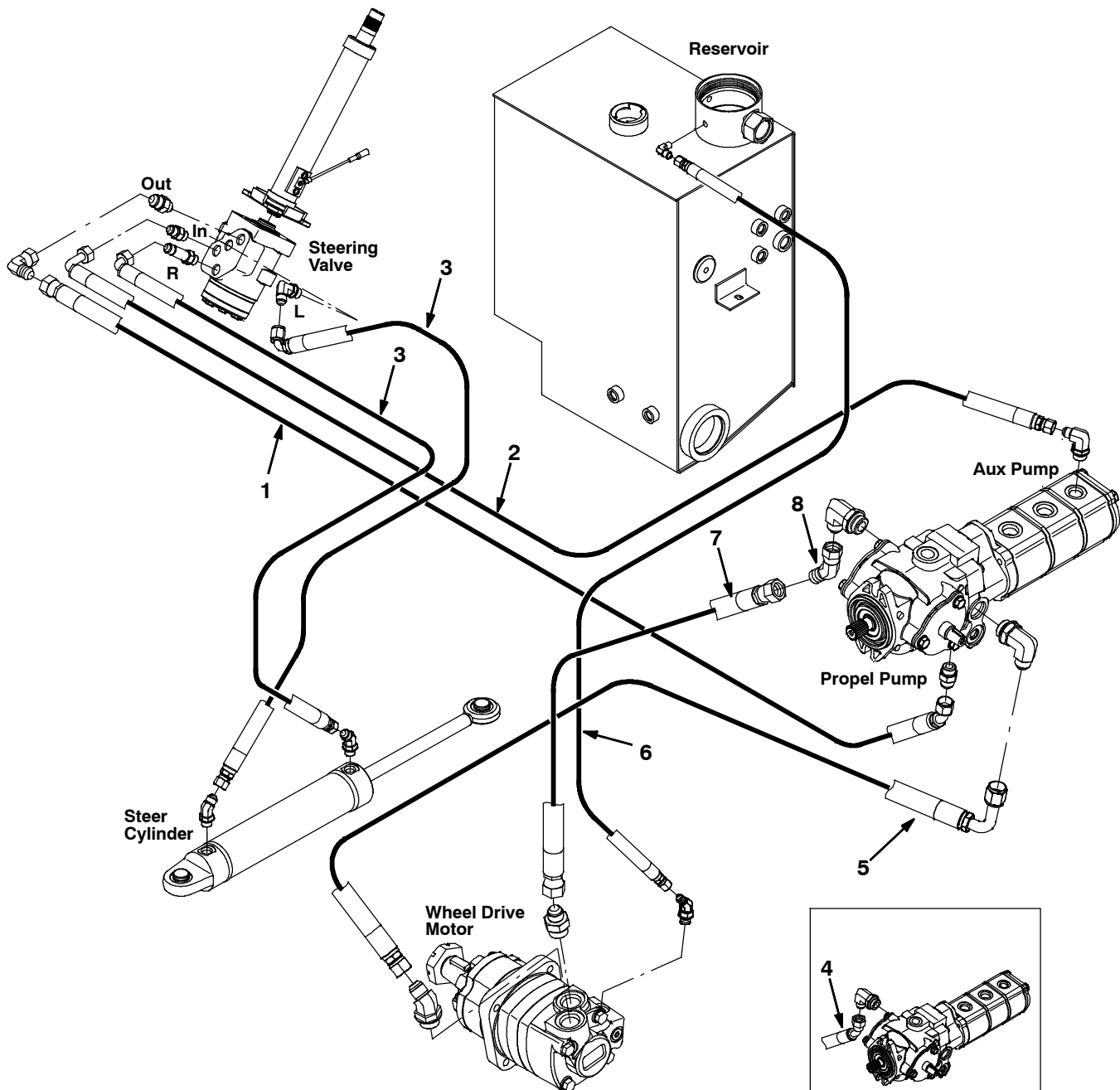


Fig. 64 – Hydraulic Hose Group, Steering and Propel

Ref.	Part No.	Serial Number	Description	Qty.
1	1023609	(000000–	) Hose, Hyd, Tc08, Jf08e45/Jf08str, 96.0	1
2	1023608	(000000–	) Hose, Hyd, Tc06, Jf06e90/Jf06str, 104.0	1
3	396221	(000000–	) Hose, Hyd, Tc06, Jf06e90/Jf06str, 040.0	2
4	1023489	(000000–002183	) Hose, Hyd, Spcl, Jf10e45/Jf10str, 58.0 (Replaced by 1039148)	1
5	1023488	(000000–	) Hose, Hyd, Spcl, Jf10e90/Jf10str, 63.0	1
6	1030404	(000000–	) Hose, Hyd, Med04, Jf04str/Jf04str, 066.0	1
7	1038569	(002184–	) Hose, Hyd, Spcl, Jf10str/Jf10str, 56.5	1
8	54017	(002184–	) Fitting, Hyd, E45, Jf10/Jm10	1

Fig. 65 – Hydraulic Hose Group, Pump and Vacuum Fans

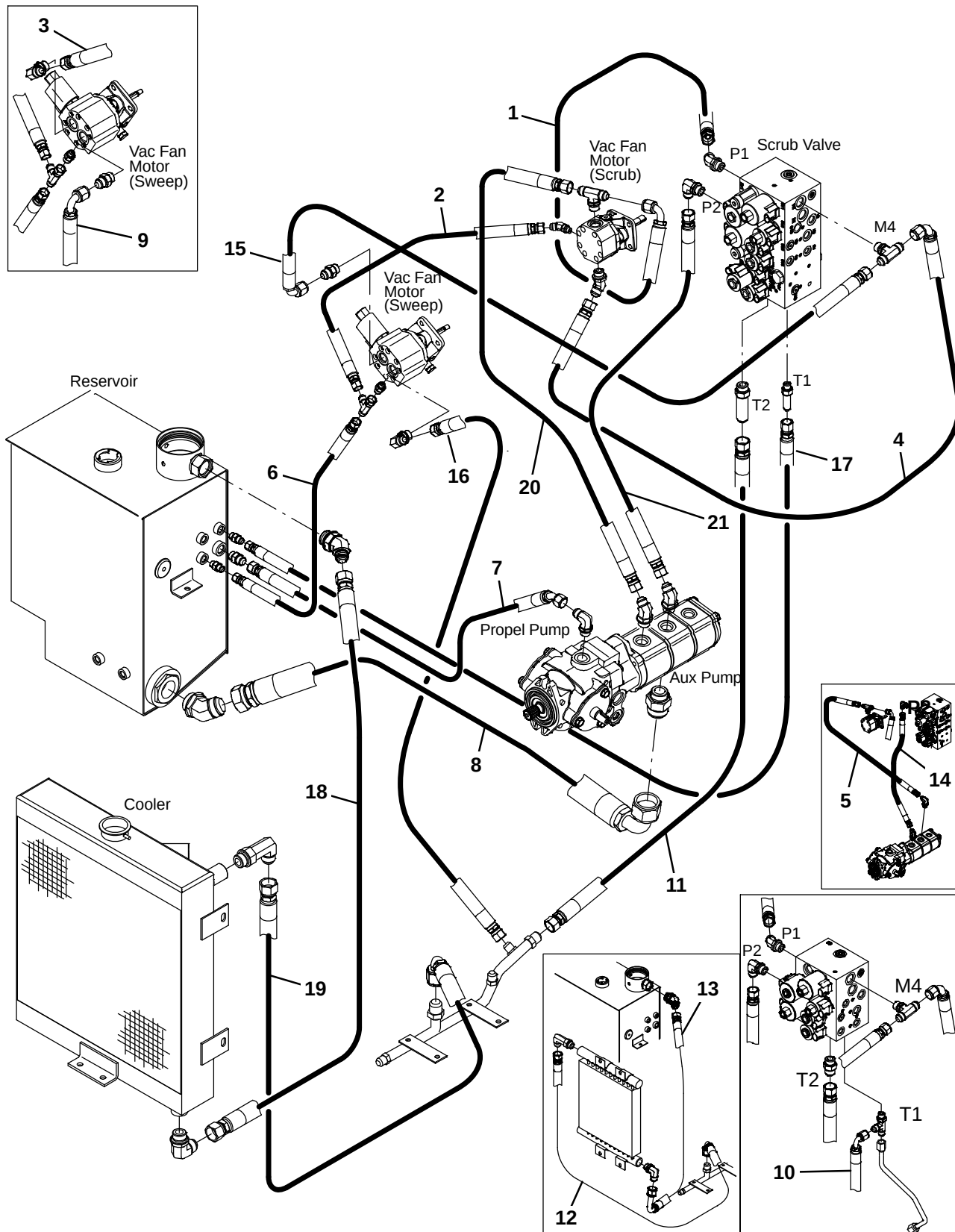


Fig. 65 – Hydraulic Hose Group, Pump and Vacuum Fans

Ref.	Part No.	Serial Number	Description	Qty.
1	71741	(000000–)	Hose, Hyd, Tc08, Jf08e90/Jf08str, 046.0	1
2	361044	(000000–)	Hose, Hyd, Med06, Jf06str/Jf06str, 018.0	1
3	381862	(000000–001337)	Hose, Hyd, Tc08, Jf08str/Jf08str, 024.0	1
4	396255	(000000–)	Hose, Hyd, Tc08, Jf08str/Jf08e90, 031.0	1
5	1026645	(000000–003297)	Hose, Hyd, Tc08, Jf08e45/Jf08str, 26.0	1
6	16431	(000000–)	Hose, Hyd, Med06, Jf06str/Jf06str, 022.0	1
7	1023607	(000000–)	Hose, Hyd, Med08, Jf08str /Jf08e45, 21.0	1
8	1023611	(000000–)	Hose, Hyd, Suc20, Jf20str /Jf20e90, 29.0	1
9	396266	(000000–001337)	Hose, Hyd, Med08, Jf08e90/Jf08str, 031.0	1
10	71735	(000000–002699)	Hose, Hyd, Med06, Jf06e90/Jf06str, 042.0	1
11	1025547	(000000–002699)	Hose, Hyd, Med10, Jf10str/Jf10str, 41.0	1
11	1040655	(002700–)	Hose, Hyd, Med10, Jf10Str/Jf10Str, 036.0	1
12	396438	(000000–003038)	Hose, Hyd, Tc12, Jf12e90/Jf12str, 044.0	1
13	1023487	(000000–003038)	Hose, Hyd, Med12, Jf12e90/Jf12str, 50.0	1
14	1023606	(000000–003297)	Hose, Hyd, Tc08, Jf08str/Jf08str, 21.0	1
15	381858	(001338–002699)	Hose, Hyd, Tc08, Jf08e90/Jf08str, 024.0	1
15	1040216	(002700–)	Hose, Hyd, Tc08, Jf08E90/Jf08Str, 029.0	1
16	1036945	(001338–)	Hose, Hyd, Tc08, Jf08str/Jf08str, 031.0	1
17	71556	(002700–)	Hose, Hyd, Med06, Jf06Str/Jf06Str, 042.0	1
18	1050437	(003039–)	Hose, Hyd, Med12, Jf12str/Jf12str, 052.0	1
19	1050436	(003039–)	Hose, Hyd, Med12, Jf12e90/Jf12str, 029.0	1
20	1026645	(003298–)	Hose, Hyd, Tc08, Jf08E45/Jf08Str, 026.0	1
21	1023606	(003298–)	Hose, Hyd, Tc08, Jf08Str/Jf08Str, 021.0	1

Fig. 66 – Hydraulic Hose Group, Brush and Hopper

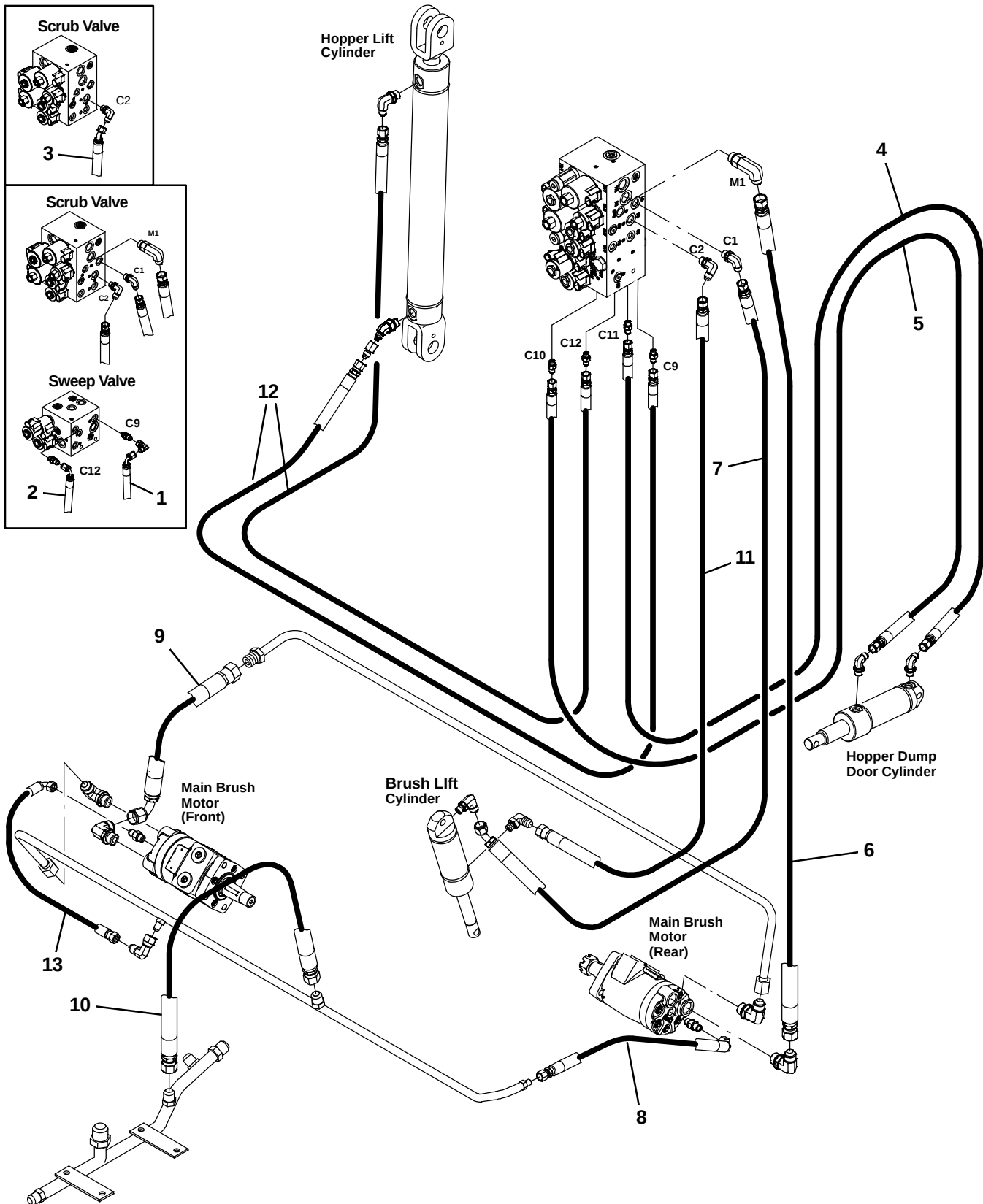


Fig. 66 – Hydraulic Hose Group, Brush and Hopper

Ref.	Part No.	Serial Number	Description	Qty.
1	1027320	(000000-002699)	Hose, Hyd, Tc04, Jf04str /Jf04e90, 88.0	1
2	1027321	(000000-002699)	Hose, Hyd, Tc04, Jf04str /Jf04e90, 70.0	1
3	1025548	(000000-001337)	Hose, Hyd, Tc06, Jf06str /Jf06e45, 54.0	1
4	1026733	(000000-002699)	Hose, Hyd, Spcl, Jf04str/Jf04str, 115.0	1
4	1042775	(002700-)	Hose, Hyd, Spcl, Jf04str/Jf04str, 133.0	1
5	1024688	(000000-002699)	Hose, Hyd, Spcl, Jf04str/Jf04str, 121.0	1
5	1042776	(002700-)	Hose, Hyd, Spcl, Jf04str/Jf04str, 127.0	1
6	1024764	(000000-)	Hose, Hyd, Tc08, Jf08str/Jf08str, 48.0	1
7	1023769	(000000-)	Hose, Hyd, Tc 06, Jf06str /Jf06e45, 56.0	1
8	57946	(000000-)	Hose, Hyd, Med04, Jf04e90/Jf04str, 016.0	1
9	1025544	(000000-)	Hose, Hyd, Tc08, Jf08e90/Jf08str, 13.0	1
10	51754	(000000-)	Hose, Hyd, Med08, Jf08str/Jf08str, 022.0	1
11	1036939	(001338-)	Hose, Hyd, Tc06, Jf06str/Jf06str, 054.0	1
12	1040628	(002700-)	Hose, Hyd, Tc04, Jf04str/Jf04str, 096.0	2
13	387281	(003057-)	Hose, Hyd, Tc04, Jf04e90/Jf04str, 020.0	1

Fig. 67 – Hydraulic Hose Group, Squeegee Lift

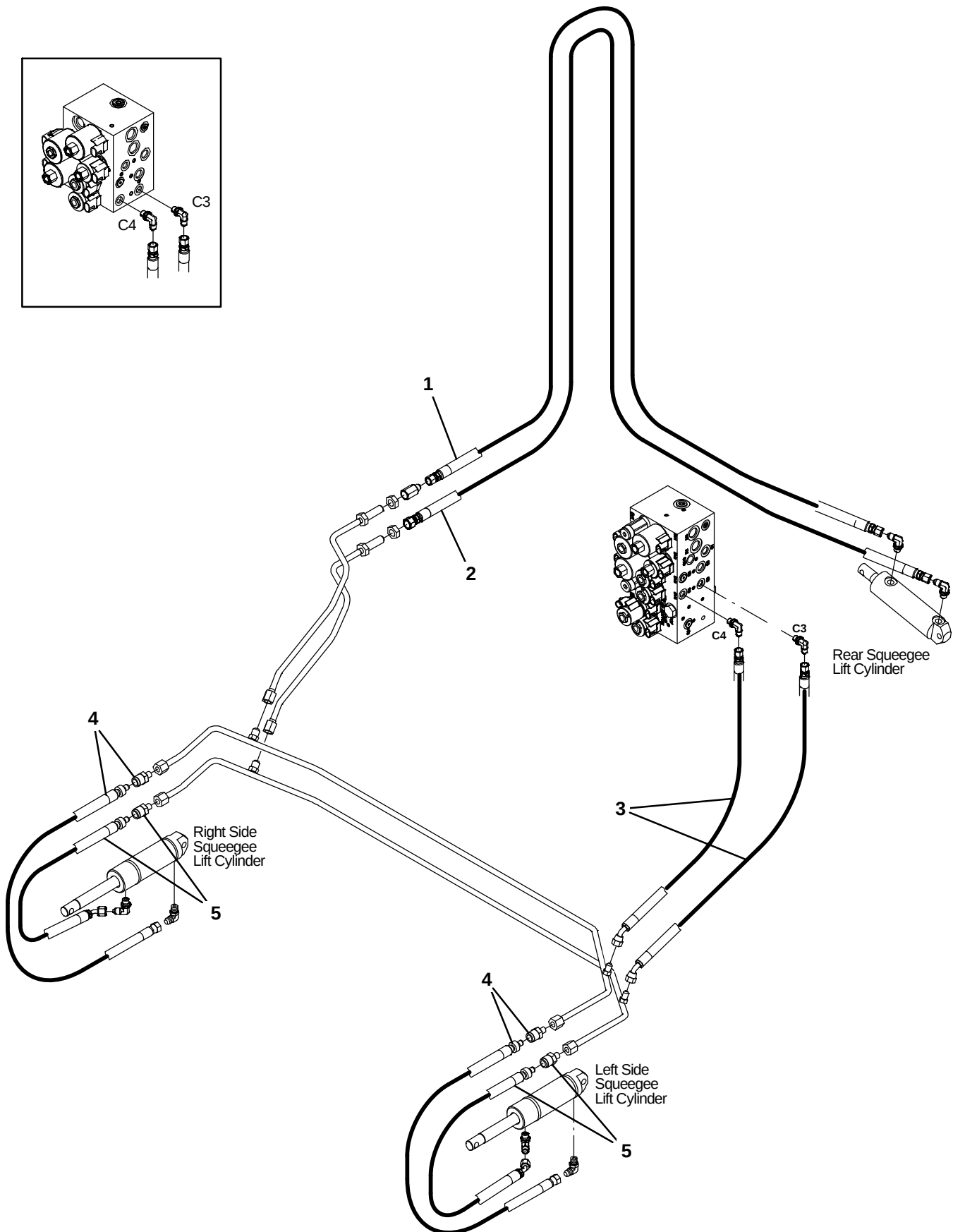


Fig. 67 – Hydraulic Hose Group, Squeegee Lift

Ref.	Part No.	Serial Number	Description	Qty.
1	1024688	(000000–)	Hose, Hyd, Spcl, Jf04str/Jf04str, 121.0	1
2	1025551	(000000–)	Hose, Hyd, Spcl, Jf04str/Jf06str, 125.0	1
3	1030709	(000000–)	Hose, Hyd,Tc 04, Jf04str /Jf04e45 , 35.0	2
4	1037042	(000000–002555)	Hose, Hyd, Tc04, Jf04e45/Qm06, 028.0	2
4	1045759	(002556–)	Hose, Hyd, Tco4, Jf04Str/Qm06, 028.0	2
5	1037053	(000000–)	Hose, Hyd, Tc04, Jf04e45/Qm06, 026.0	2

Fig. 68 – Hydraulic Pumps Group

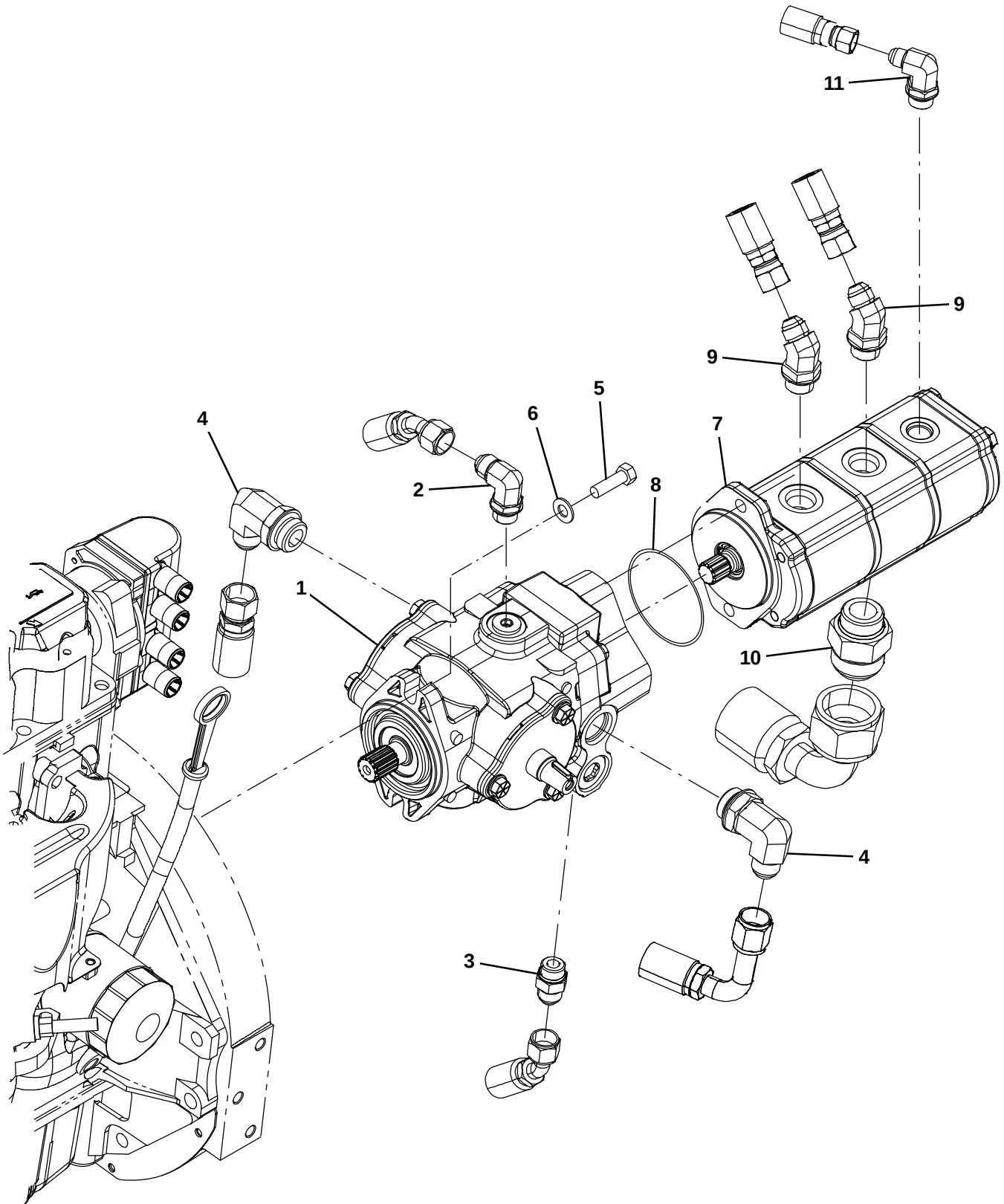


Fig. 68 – Hydraulic Pumps Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1024251	(000000–	) Pump, Hyd, Piston, Var, 1.24 4000, Cw (See Breakdowns)	1
2	44868	(000000–	) Fitting, Hyd, E90, Jm08/Om08	1
3	44869	(000000–	) Fitting, Hyd, Str, Jm08/Om08	1
4	53076	(000000–	) Fitting, Hyd, E90, Jm10/Om12	2
5	21198	(000000–	) Screw, Hex, .38–16 X 1.25, 5	22
6	32485	(000000–	) Washer, Flat, 0.38 Sae	2
7	9007142	(000000–	) Pump Kit, Mtg, Aux, Ci [M20 & T20]	1
8	65145–1	(000000–	) Seal, Org, .069 X 3.06id	11
9	47513	(000000–	) Fitting, Hyd, E45, Jm08/Om10	2
10	67811	(000000–	) Fitting, Hyd, Str, Jm20/Om16	1
11	47512	(000000–	) Fitting, Hyd, E90, Jm06/Om08	1

Fig. 69 – Hydraulic Cooler and Tubes Group

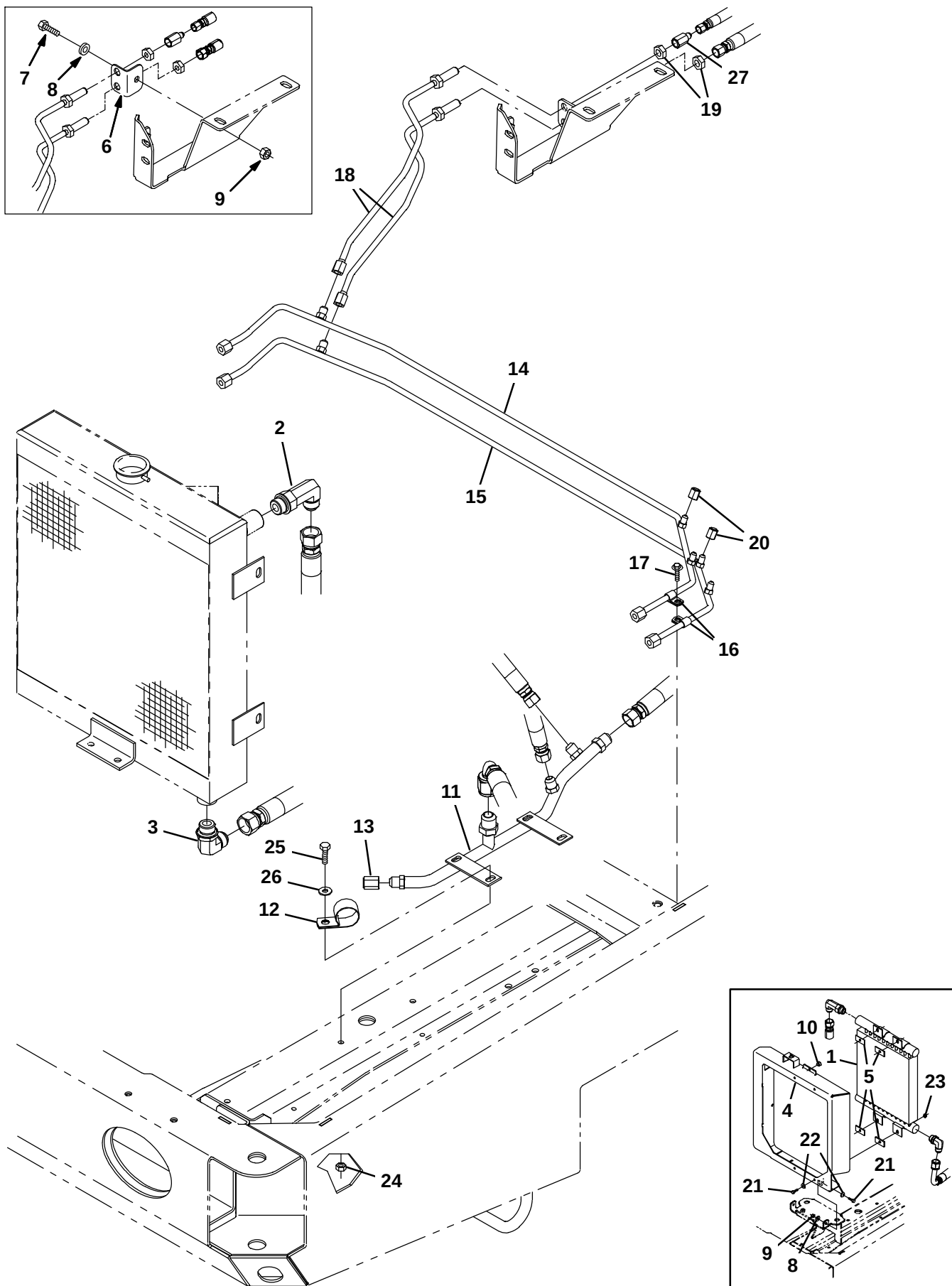


Fig. 69 – Hydraulic Cooler and Tubes Group

Ref.	Part No.	Serial Number	Description	Qty.
1	13698	(000000-003038)	Cooler, Hyd, 25gpm 325btu Of12 13x12x2	1
2	46481	(000000-)	Fitting, Hyd, E90, Jm12/Om12	1
3	62471	(000000-)	Fitting, Hyd, E90, Jm12/Om12, L	1
4	1026319	(000000-003038)	Bracket Wldt, Cooler, Hyd Fluid	1
5	1040318	(000000-003038)	Pad, Tank, Hyd [W/Psa]	4
6	1026647	(000000-xxxxxx)	Angle, Mtg, Stl, .12 1.6 1.6 02.2l	1
7	39283	(000000-xxxxxx)	Screw, Hex, M10 X 1.5 X 25, 8.8	1
8	32492	(000000-xxxxxx)	Washer, Flat, 0.38 Std	1
9	41430	(000000-xxxxxx)	Nut, Hex, Lock, M10 X 1.5, NI	1
10	51787	(000000-003038)	Bumper, Rbr, 0.6d 0.34t .3d Tip	1
11	1036959	(000000-)	Tube, Hyd, Main Return	1
12	53466	(000000-)	Clamp, Cable, Stl, 1.50d X 1.00w, 1h	1
13	60090	(000000-)	Fitting, Hyd, Cap, Jf08	1
14	1028821	(000000-)	Tube, Hyd, Sqge	1
15	1028822	(000000-)	Tube, Hyd, Sqge	1
16	40678	(000000-)	Clamp, Cable, Stl, 0.44d X 0.62w, 1h	2
17	74455	(000000-)	Screw, Hex, M6 X 1.0 X 12, Fmg	1
18	1028823	(000000-)	Tube, Hyd, Rear Sqge [M20]	2
19	35904	(000000-)	Nut, Ftg, Hyd, 0.56-18	2
20	50161	(000000-)	Fitting, Hyd, Cap, Jf04	2
21	39277	(000000-003038)	Screw, Hex, M8 X 1.25 X 25, 8.8	8
22	32491	(000000-003038)	Washer, Flat, 0.31, Std	8
23	07791	(000000-003038)	Nut, Hex, Flng, M8 X 1.25	8
24	41430	(000000-)	Nut, Hex, Lock, M10 X 1.5, NI	2
25	39277	(000000-)	Screw, Hex, M8 X 1.25 X 25, 8.8	2
26	32491	(000000-)	Washer, Flat, 0.31, Std	2
27	47752	(000000-)	Fitting, Hyd, Str, Jf06/Jm04	1

Fig. 70 – Hydraulic Reservoir Group

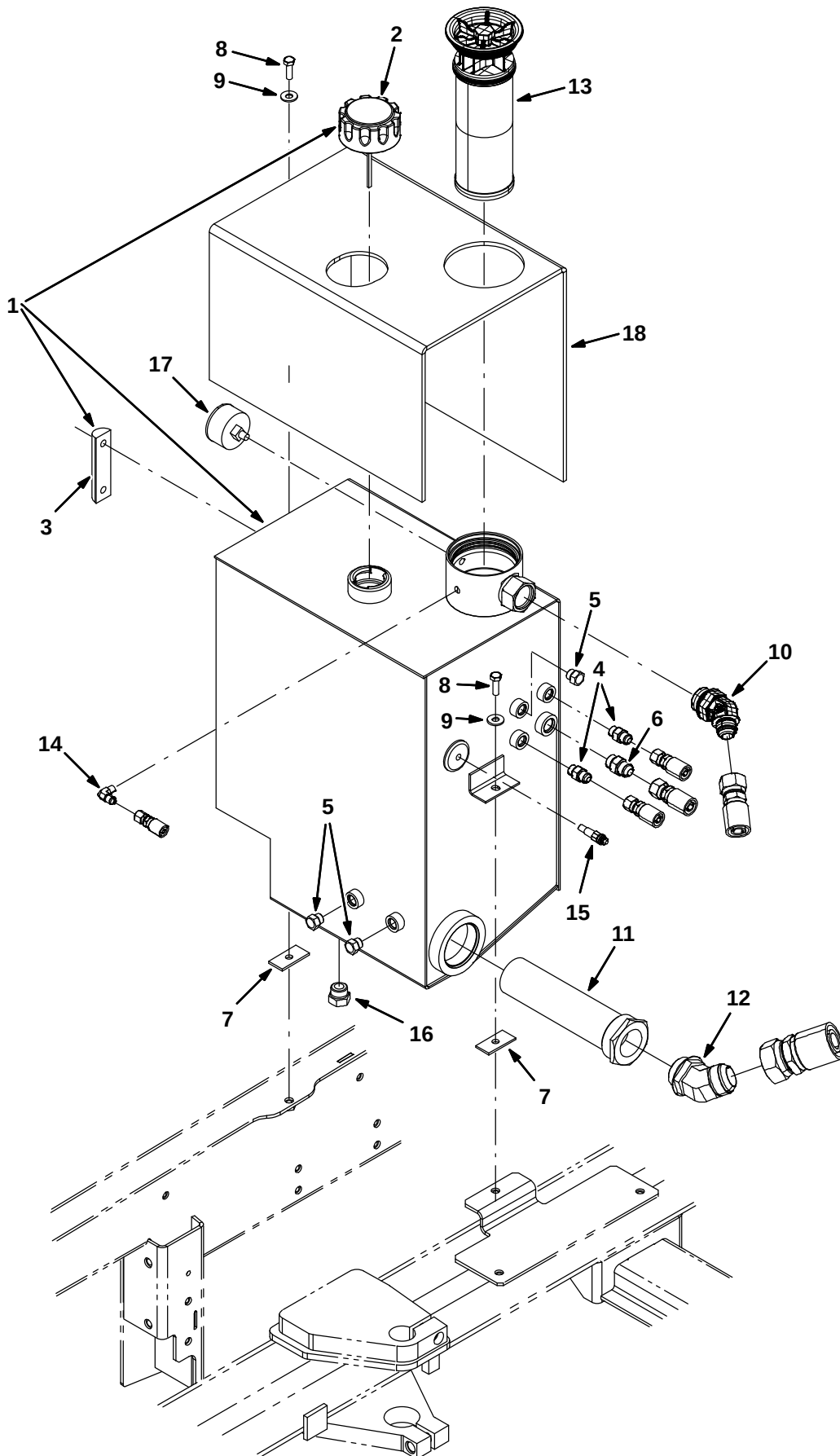


Fig. 70 – Hydraulic Reservoir Group

	Ref.	Part No.	Serial Number	Description	Qty.
▽	1	9002398	(000000–	) Reservoir, Hyd, 10.0Gal, Replmt	1
▲	2	25122	(000000–	) Cap, Breather, Hyd, 2.4 Ds	1
▲	3	65215	(000000–	) Gauge, Sensing, Level	1
	4	56690	(000000–	) Fitting, Hyd, Str, Jm06/Om06	2
	5	46482	(000000–	) Fitting, Hyd, Plug, Om06	3
	6	44869	(000000–	) Fitting, Hyd, Str, Jm08/Om08	1
	7	1040318	(000000–	) Pad, Tank, Hyd [W/Psa]	2
	8	39277	(000000–	) Screw, Hex, M8 X 1.25 X 25, 8.8	2
	9	32491	(000000–	) Washer, Flat, 0.31 Std	2
	10	1023545	(000000–	) Fitting, Hyd, E45, Jm12/Om16	1
	11	31613	(000000–	) Strainer, Hyd, 25gpm 100mesh Psi	1
	12	71726	(000000–	) Fitting, Hyd, E45, Jm20/Om20	1
	13	1021579	(000000–	) Filter Assy [Pt4 936498]	1
	14	55455	(000000–	) Fitting, Hyd, E90, Jm04/Pm02	1
	15	58592	(000000–	) Send-Unit, Water, Temp, 04npt 113oh/195d	1
	16	40362	(000000–	) Fitting, Hyd, Plug, Om10	1
	17	1025132	(000000–	) Indicator, Press, 60psi	1
	18	1034878	(000000–	) Insulation, Thermal, Hydraulic Blanket	1

Fig. 71 – Hydraulic Valves Group (000000–002699)

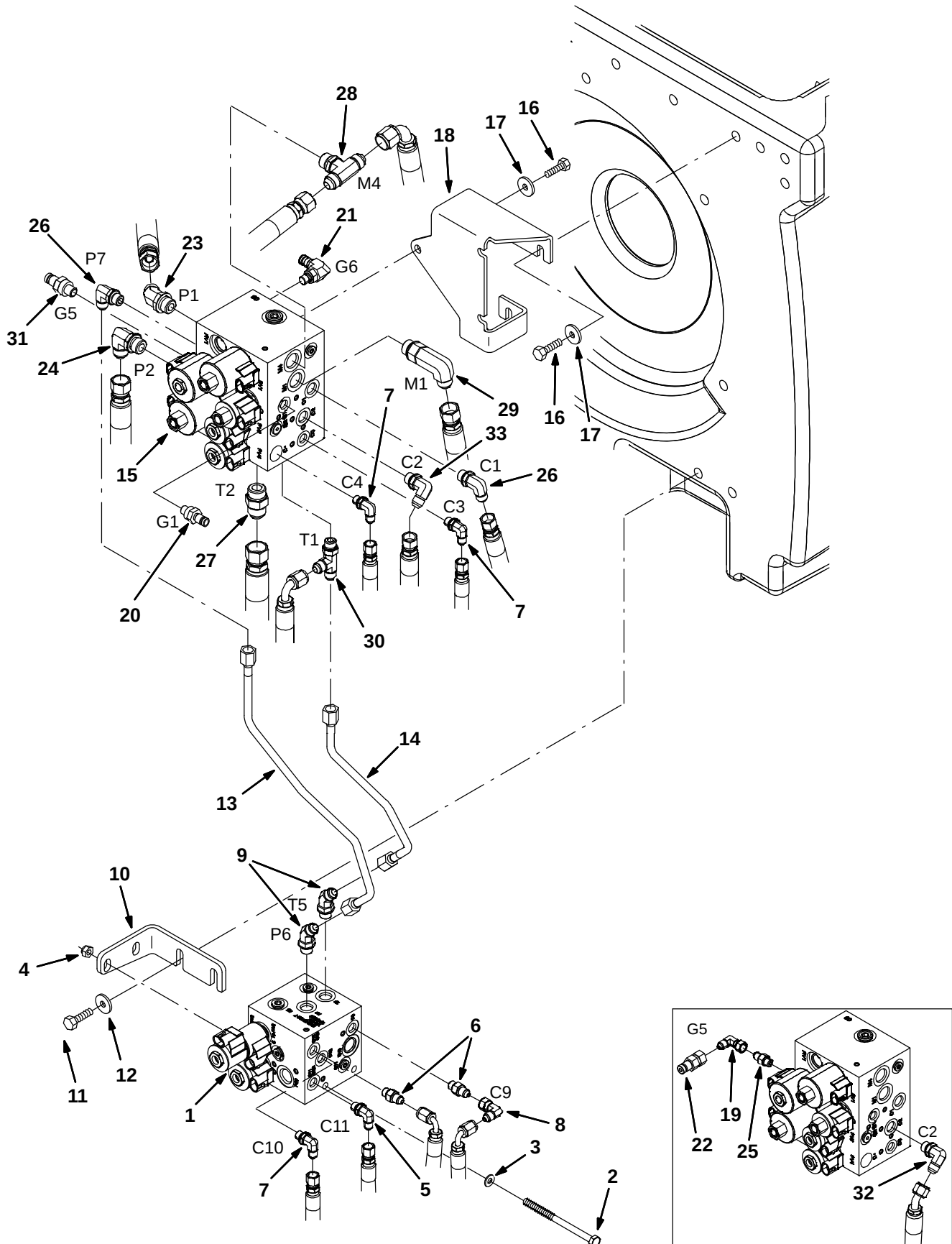


Fig. 71 – Hydraulic Valves Group (000000–002699)

Ref.	Part No.	Serial Number	Description	Qty.
1	1018936	(000000–002699)	Valve, Cntrl, Hyd [M20] (See Breakdowns)	1
2	49883	(000000–002699)	Screw, Hex, M8 X 1.25 X 120, 8.8, FI	2
3	32491	(000000–002699)	Washer, Flat, 0.31, Std	2
4	08709	(000000–002699)	Nut, Hex, Lock, M8 X 1.25, NI	2
5	77097	(000000–002699)	Fitting, Hyd, E90, Jm04/Om04	2
6	55586	(000000–002699)	Fitting, Hyd, Str, Jm04/Om04	2
7	77097	(000000–002699)	Fitting, Hyd, E90, Jm04/Om04	2
8	39210	(000000–002699)	Fitting, Hyd, E90, Jf04/Jm04	1
9	47522	(000000–002699)	Fitting, Hyd, E45, Jm06/Om06	2
10	1020708	(000000–002699)	Bracket, Mtg, Valve, Hyd, Swp	1
11	09740	(000000–002699)	Screw, Hex, M8 X 1.25 X 20, Ss	2
12	1017218	(000000–002699)	Washer, Flat, 0.32b 1.00d .12, Ss	2
13	1022482	(000000–002699)	Tube, Hyd, Swp	1
14	1022484	(000000–002699)	Tube, Hyd, Swp	1
15	1020394	(000000–002699)	Valve, Cntrl, Hyd (See Breakdowns)	1
16	09740	(000000–002699)	Screw, Hex, M8 X 1.25 X 20, Ss	6
17	1017218	(000000–002699)	Washer, Flat, 0.32b 1.00d .12, Ss	6
18	1021991	(000000–002699)	Bracket, Mtg, Valve, Hyd, Scb	1
19	39210	(000000–001271)	Fitting, Hyd, E90, Jf04/Jm04	1
20	395973	(000000–002699)	Fitting, Hyd, Str, Om04/Qm04	1
21	395974	(000000–002699)	Fitting, Hyd, E90, Om04/Qm04	1
22	396476	(000000–001271)	Fitting, Hyd, Str, Jf04/Qm04	1
23	42226	(000000–002699)	Fitting, Hyd, E45, Jm08/Om08	1
24	44868	(000000–002699)	Fitting, Hyd, E90, Jm08/Om08	1
25	55586	(000000–001271)	Fitting, Hyd, Str, Jm04/Om04	1
26	56820	(000000–002699)	Fitting, Hyd, E90, Jm06/Om06	2
27	46480	(000000–002699)	Fitting, Hyd, Str, Jm10/Om10	1
28	49933	(000000–002699)	Fitting, Hyd, Tee, Jm08/Jm08/Om08, Br	1
29	69173	(000000–002699)	Fitting, Hyd, E90, Jm08/Om08, L	1
30	76316	(000000–002699)	Fitting, Hyd, Tee, Jm06/Jm06/Om06, Run	1
31	395973	(001272–026999)	Fitting, Hyd, Str, Om04/Qm04	1
32	56820	(000000–001337)	Fitting, Hyd, E90, Jm06/Om06	1
33	71727	(001338–026999)	Fitting, Hyd, E90, Jm06/Om06, L	1

Fig. 72 - Hydraulic Valve Group (002700-)

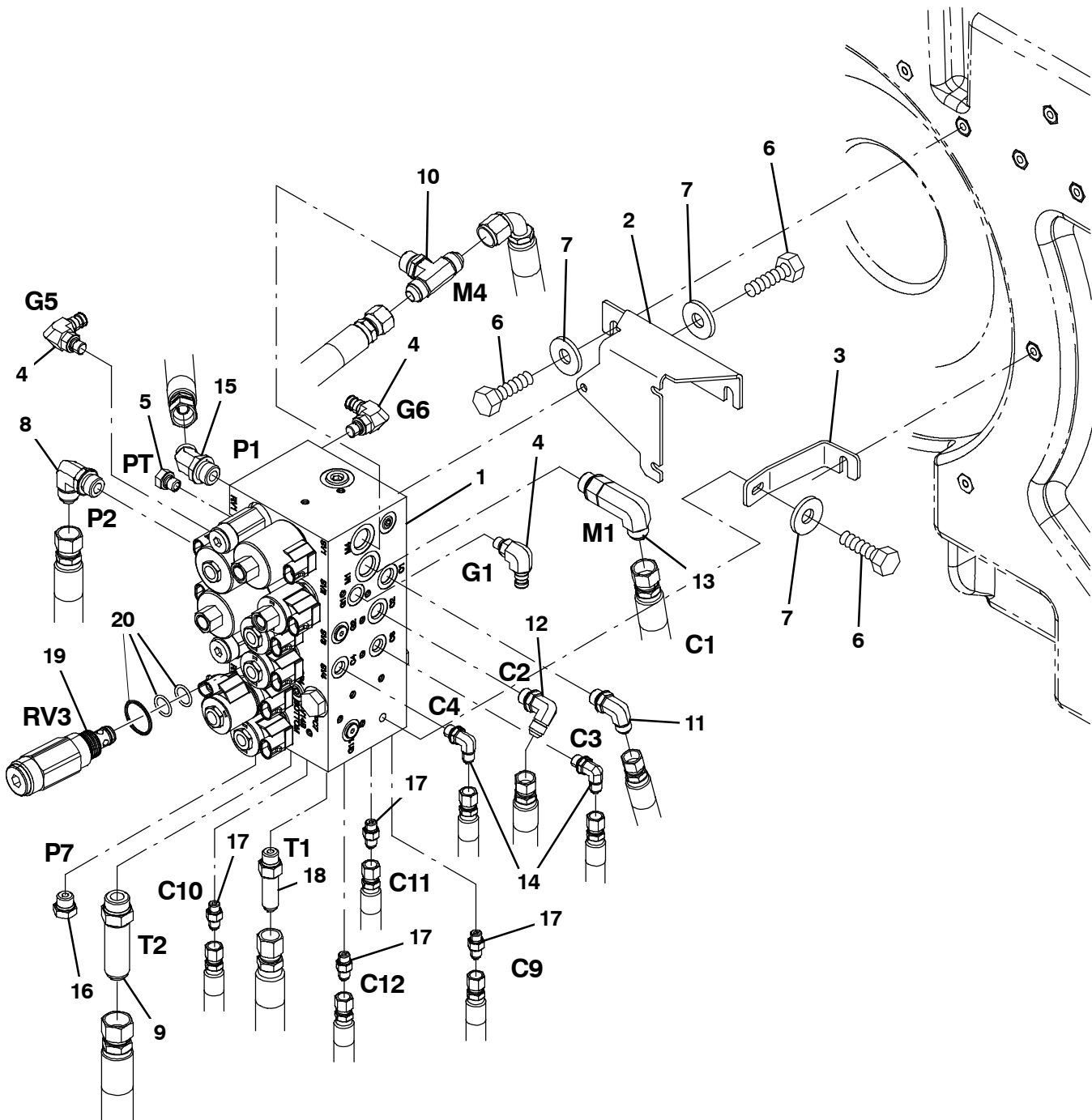
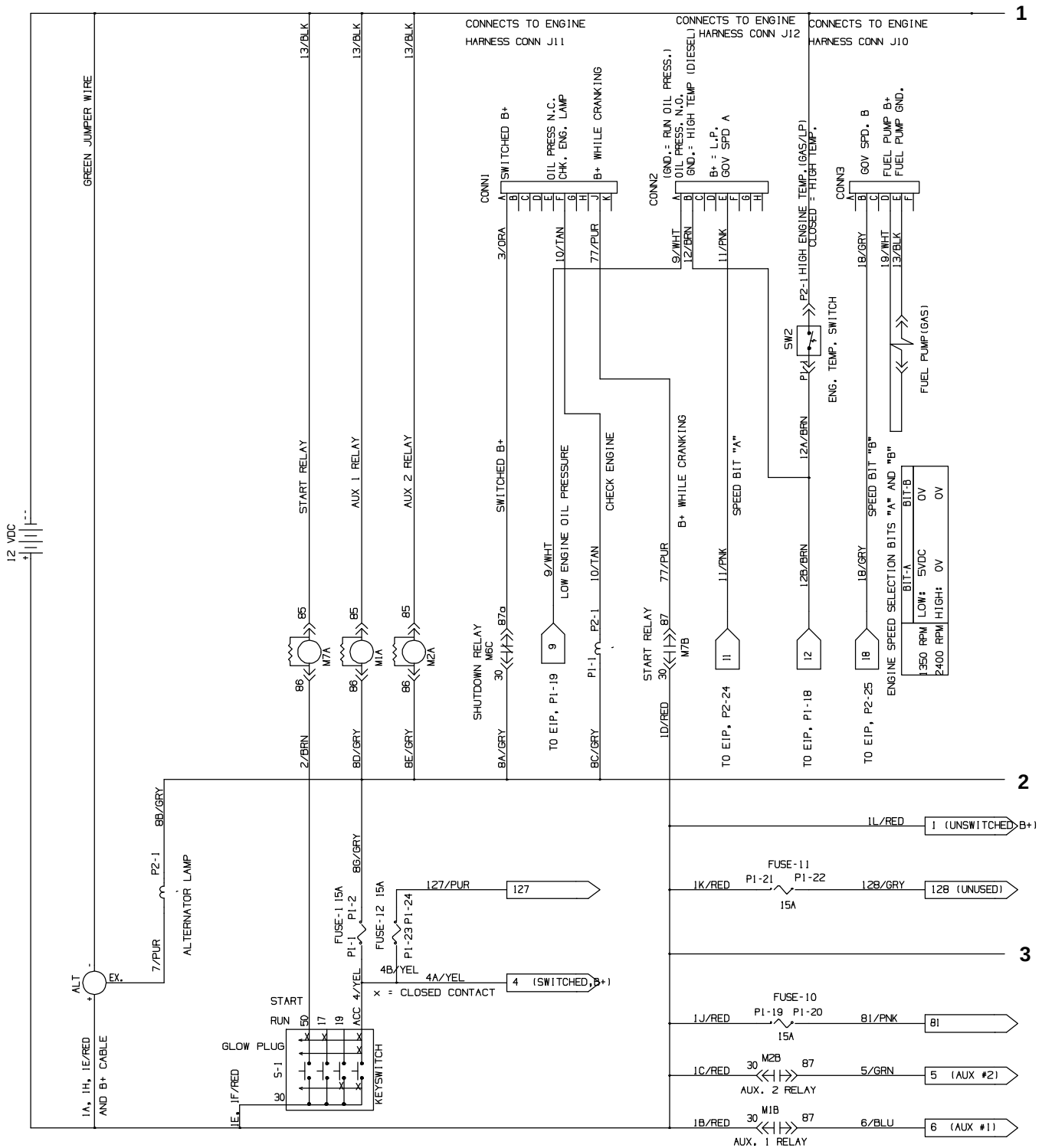


Fig. 72 – Hydraulic Valve Group (002700–)

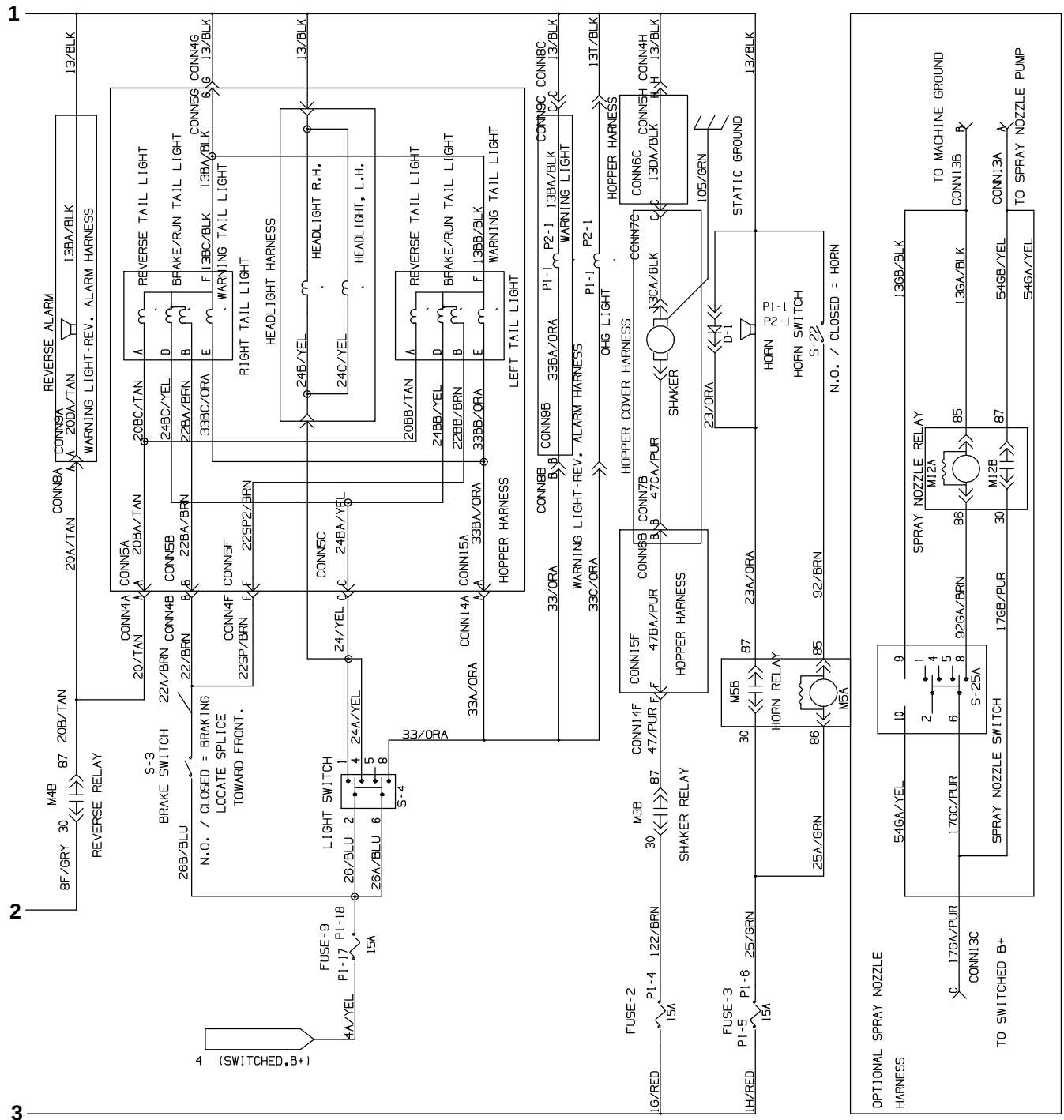
Ref.	Part No.	Serial Number	Description	Qty.
1	1038566	(002700–)	Valve, Hyd, Solenoid, 12vdc (See Breakdowns)	1
2	1039789	(002700–)	Bracket, Mtg, Valve [Combined]	1
3	1040117	(002700–)	Bracket, Mtg, Valve, Lower	1
4	395974	(002700–)	Fitting, Hyd, E90, Om04/Qm04	3
5	33812	(002700–)	Fitting, Hyd, Plug, Om04	1
6	09740	(002700–)	Screw, Hex, M8 X 1.25 X 20, Ss	8
7	1017218	(002700–)	Washer, Flat, 0.32b 1.00d .12, Ss	8
8	69173	(002700–)	Fitting, Hyd, E90, Jm08/Om08, Long	1
9	1040876	(002700–)	Fitting, Hyd, Str, Jm10/Om10, Long	1
10	49933	(002700–)	Fitting, Hyd, Tee, Jm08/Jm08/Om08, Br	1
11	56820	(002700–)	Fitting, Hyd, E90, Jm06/Om06	1
12	71727	(002700–)	Fitting, Hyd, E90, Jm06/Om06, Long	1
13	69173	(002700–)	Fitting, Hyd, E90, Jm08/Om08, Long	1
14	77097	(002700–)	Fitting, Hyd, E90, Jm04/Om04	2
15	42226	(002700–)	Fitting, Hyd, E45, Jm08/Om08	1
16	46482	(002700–)	Fitting, Hyd, Plug, Om06	1
17	55586	(002700–)	Fitting, Hyd, Str, Jm04/Om04	4
18	59577	(002700–)	Fitting, Hyd, Str, Jm06/Om06, Long	1
19	1044367	(002700–)	Valve, Relief, 0600Psi	1
20	373647	(002700–)	Seal Kit, Cartridge	1

Fig. 73 – Electrical Schematic (000000–001999)



1018547 – 354458

Fig. 73 – Electrical Schematic (000000-001999)



1018547

Fig. 73 – Electrical Schematic (000000–001999)

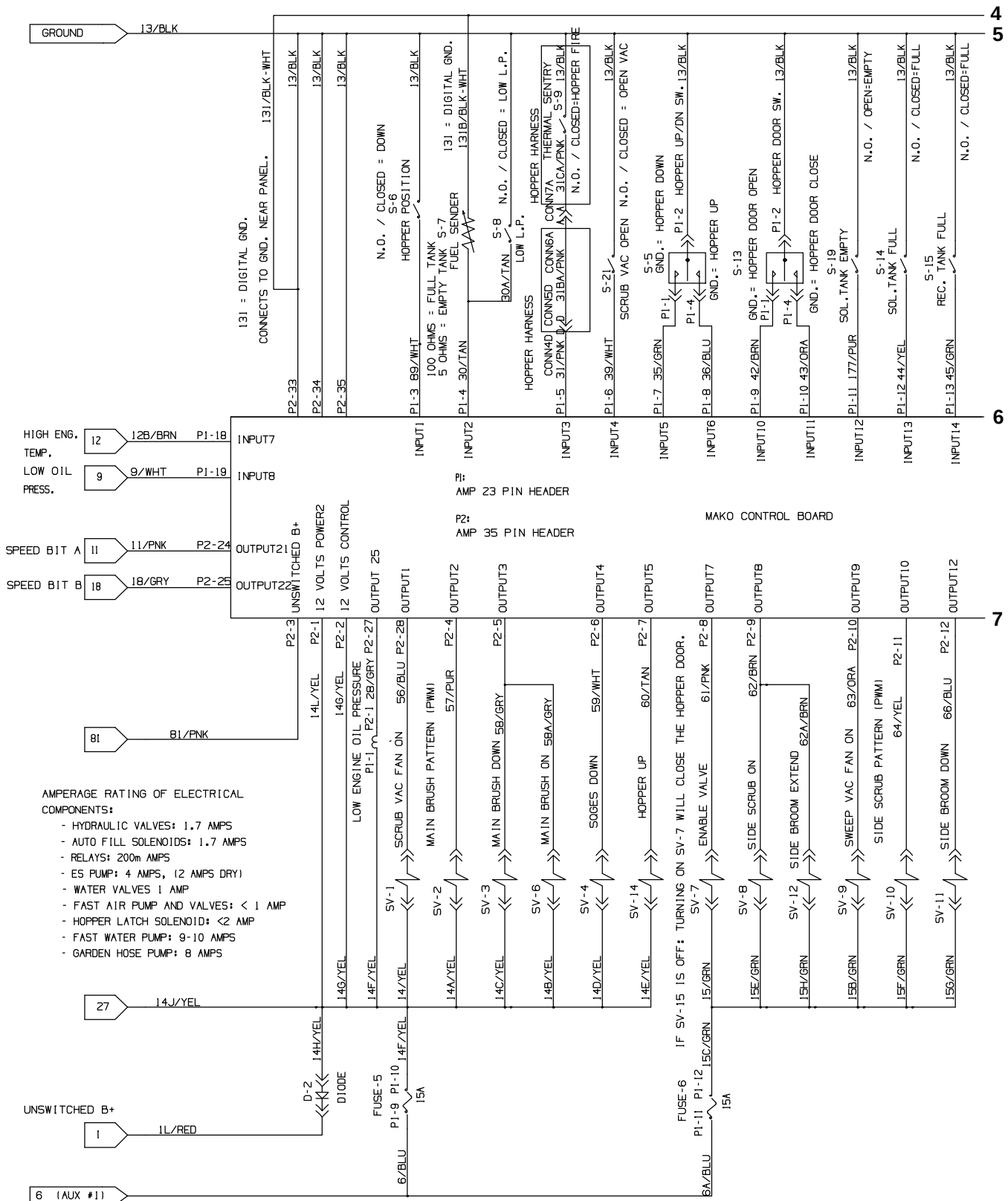
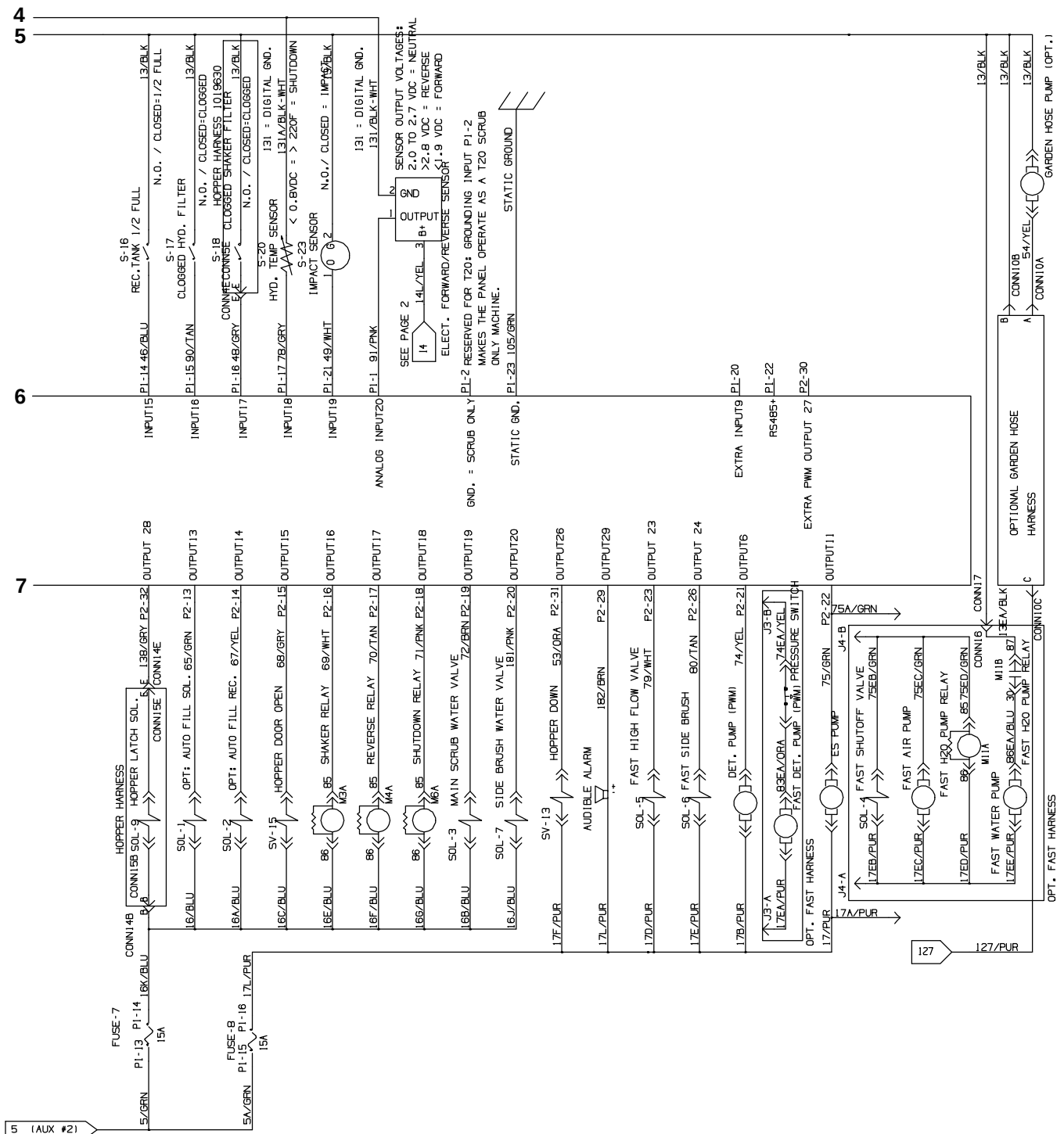


Fig. 73 – Electrical Schematic (000000–001999)



1018547

M20 Gas/LPG 331381 (4-08)

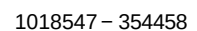


Fig. 74 – Electrical Schematic (002000–002532)

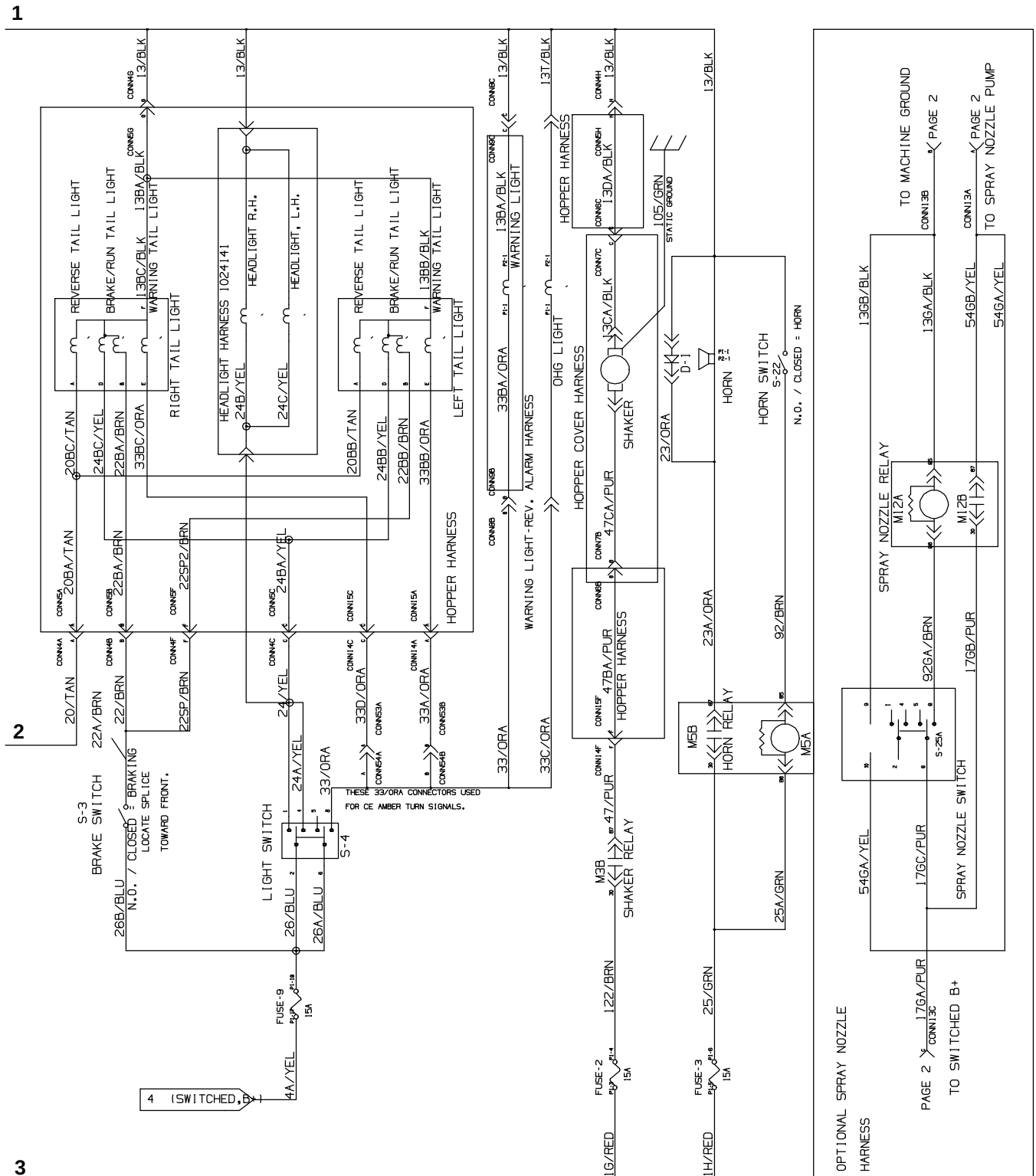


Fig. 74 – Electrical Schematic (002000–002532)

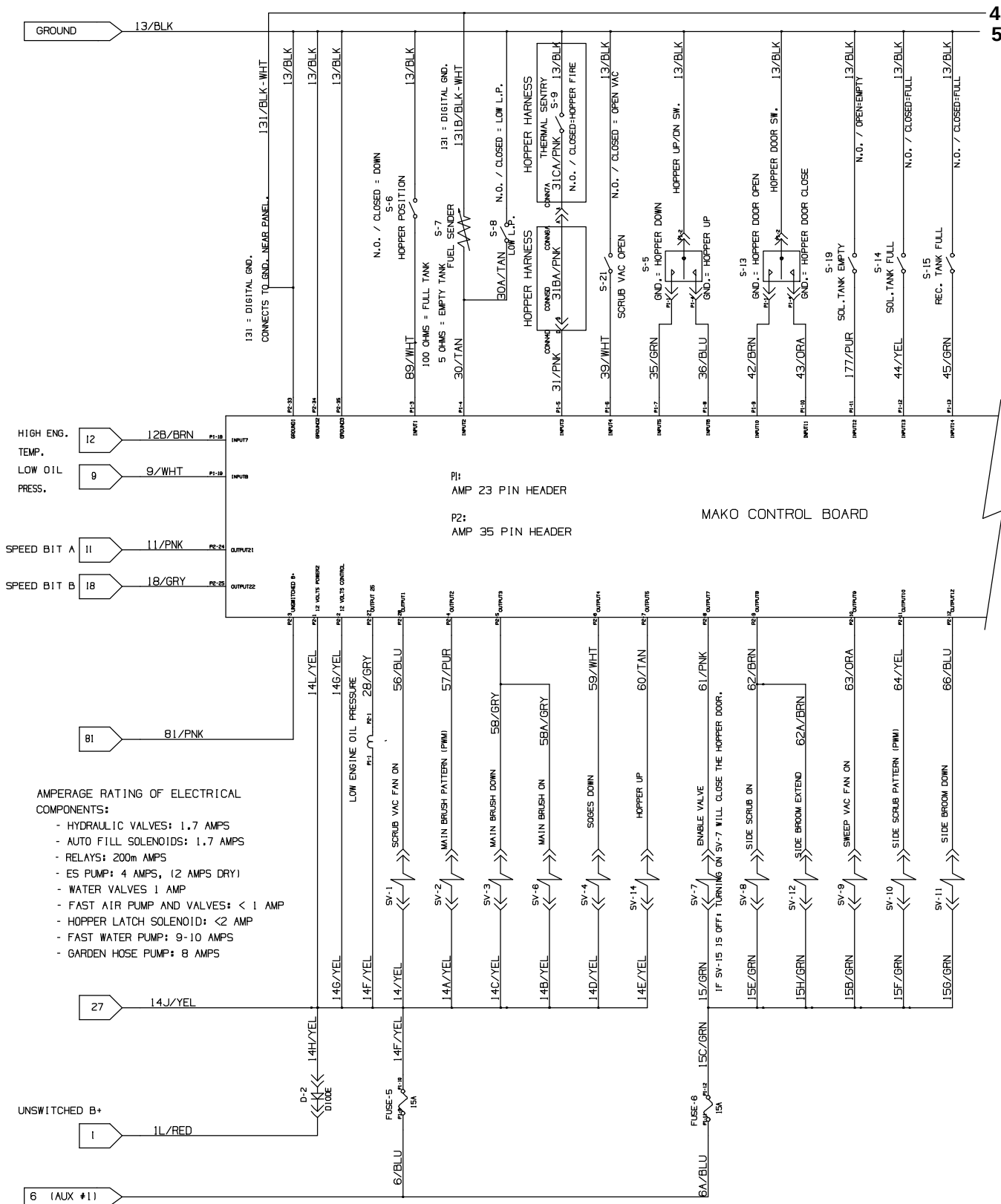
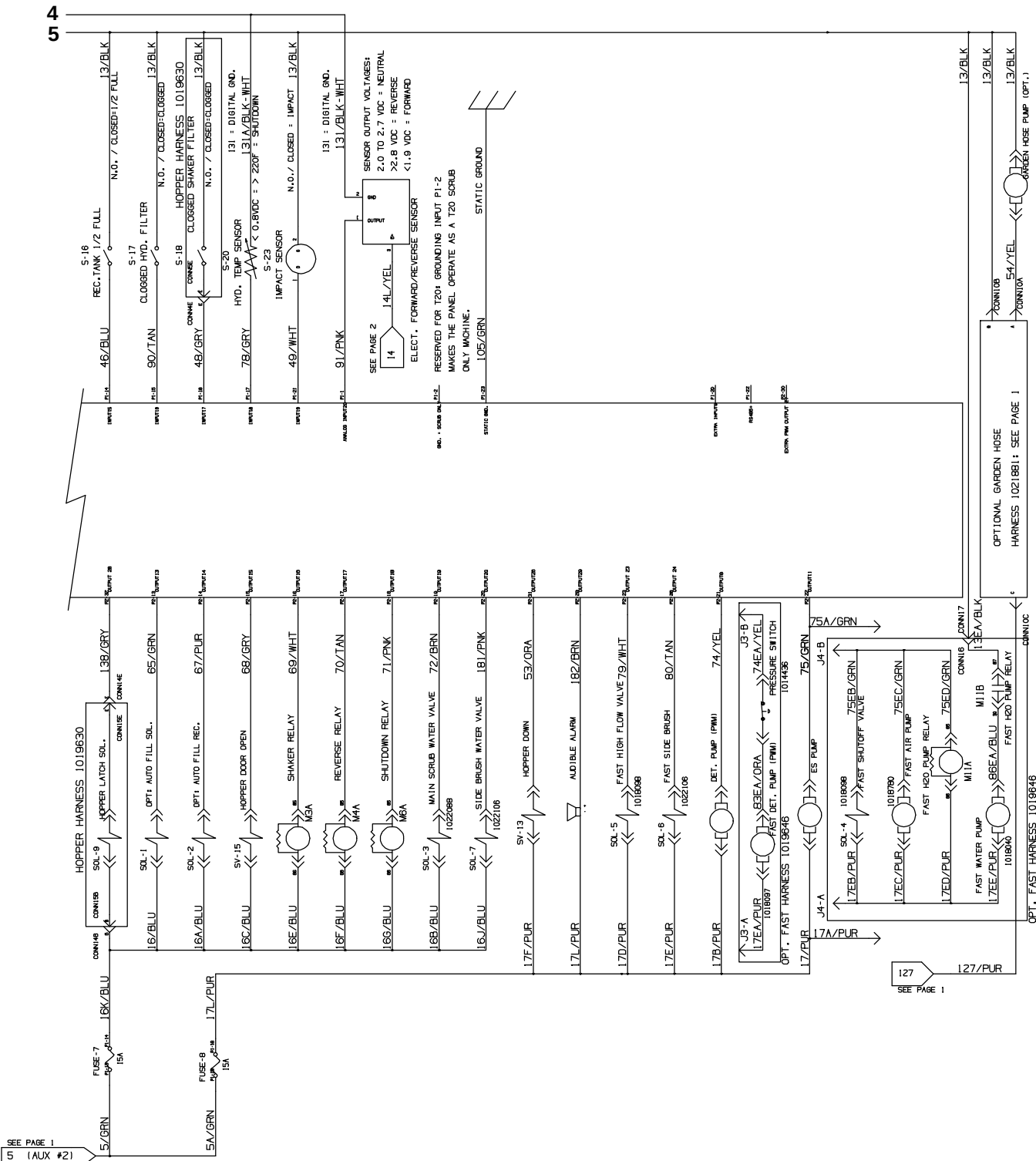


Fig. 74 – Electrical Schematic (002000-002532)



M20 Gas/LPG 331381 (4-11)

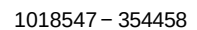
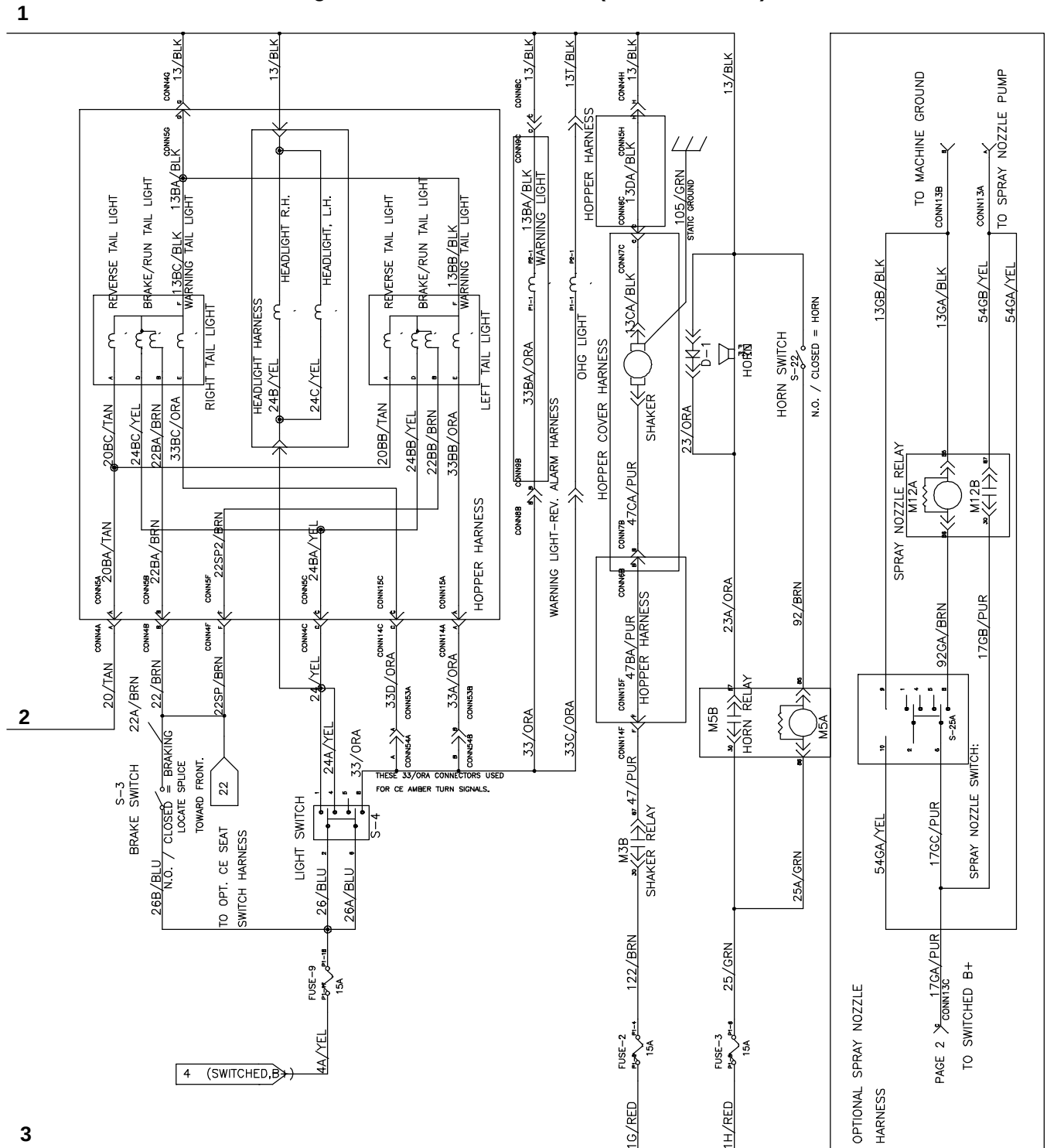
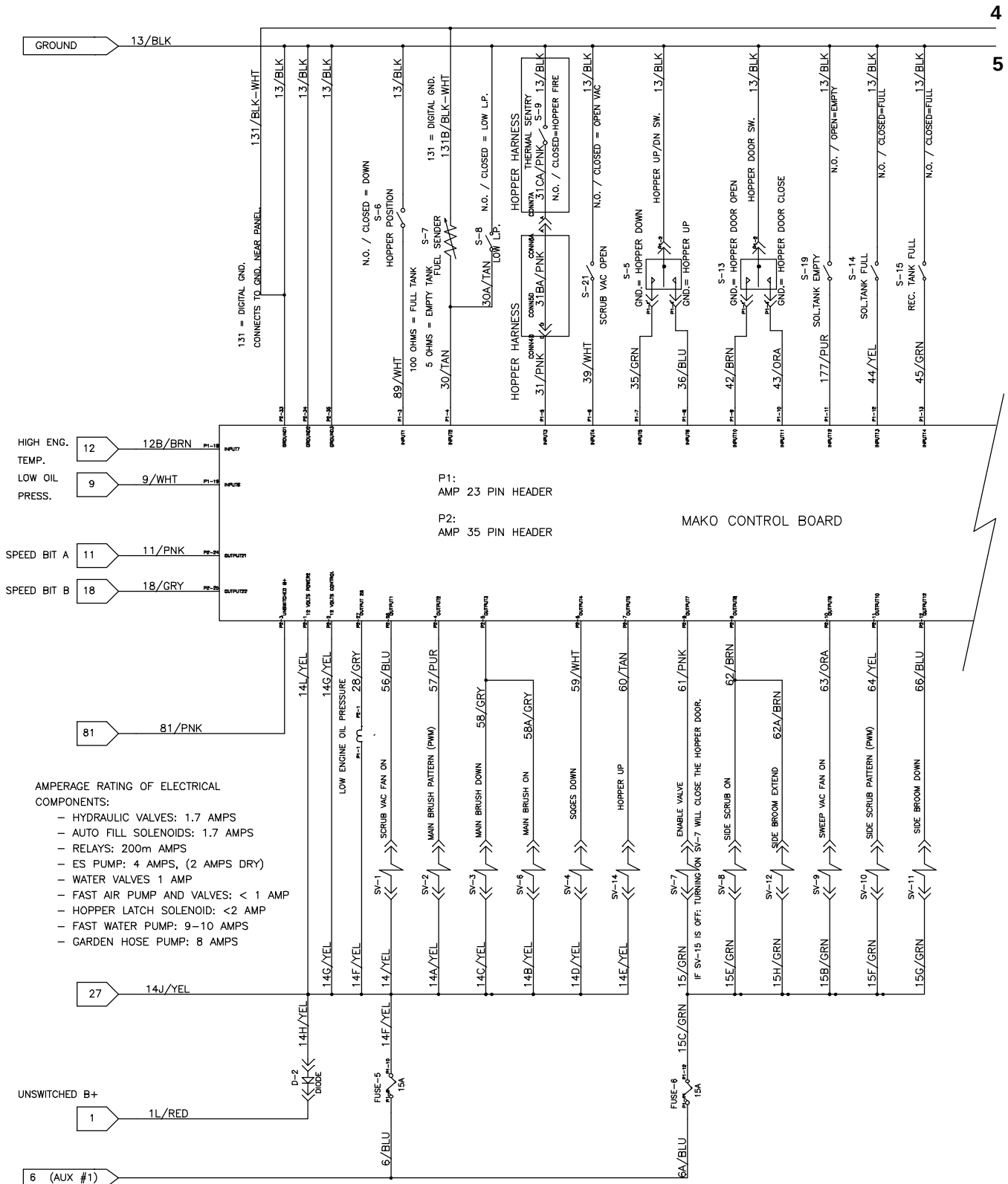


Fig. 75 – Electrical Schematic (002533–003478)



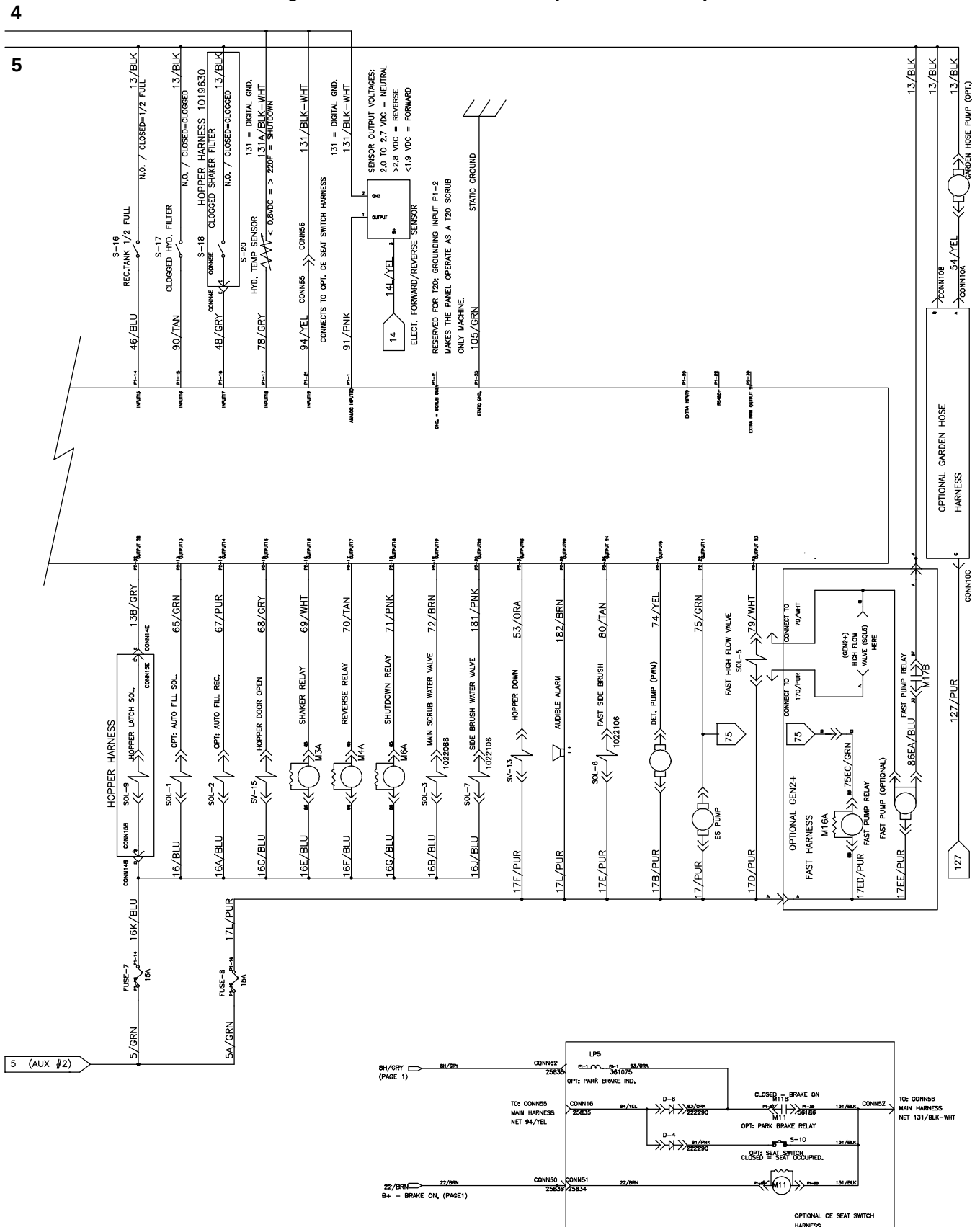
1018547 - 354458

Fig. 75 – Electrical Schematic (002533–003478)



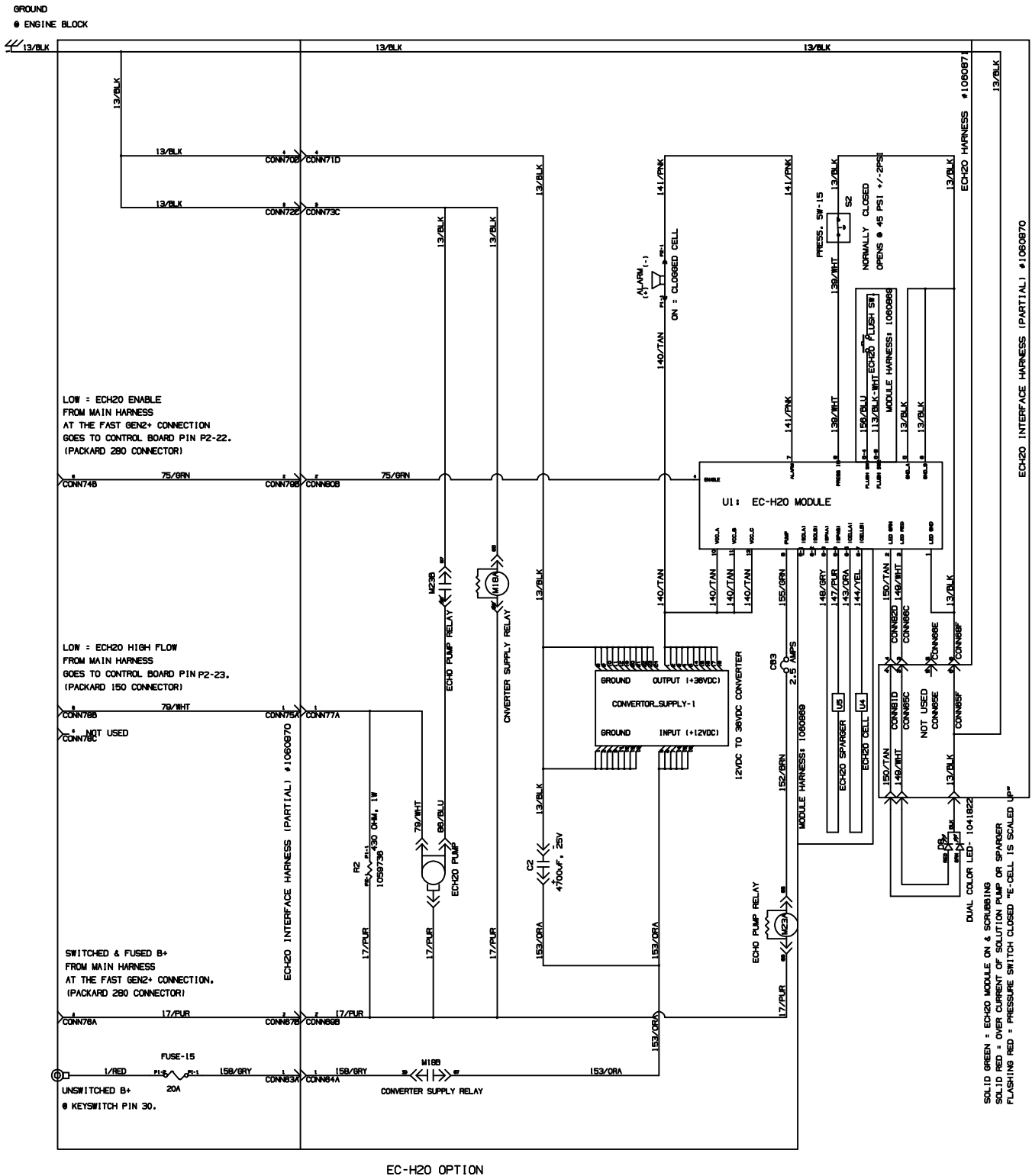
1018547 – 354458

Fig. 75 – Electrical Schematic (002533-003478)



1018547 – 354458

Fig. 75 – Electrical Schematic (002533–003478)



1018547 – 354458

M20 Gas/LPG 331381 (4-11)

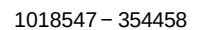
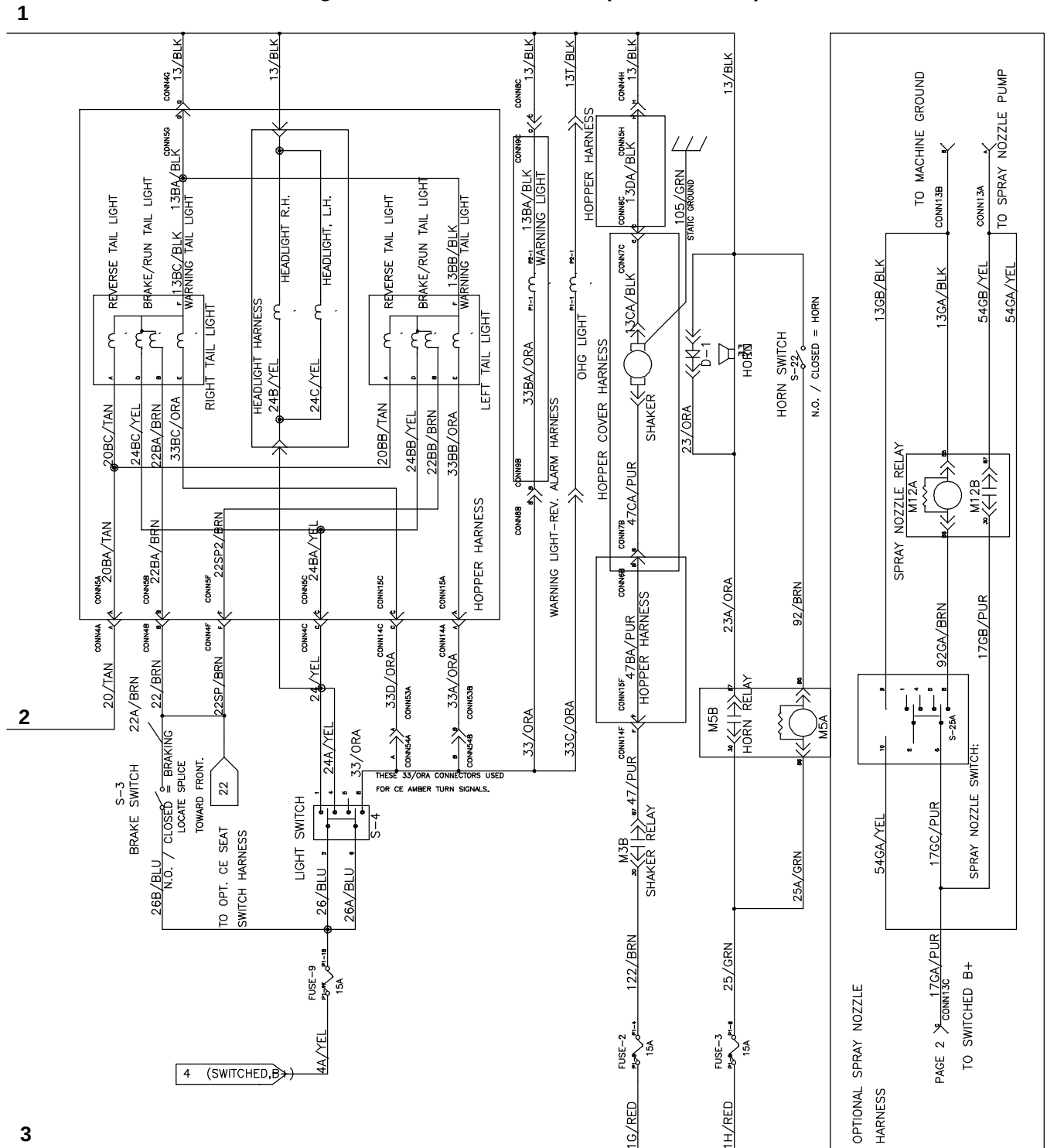
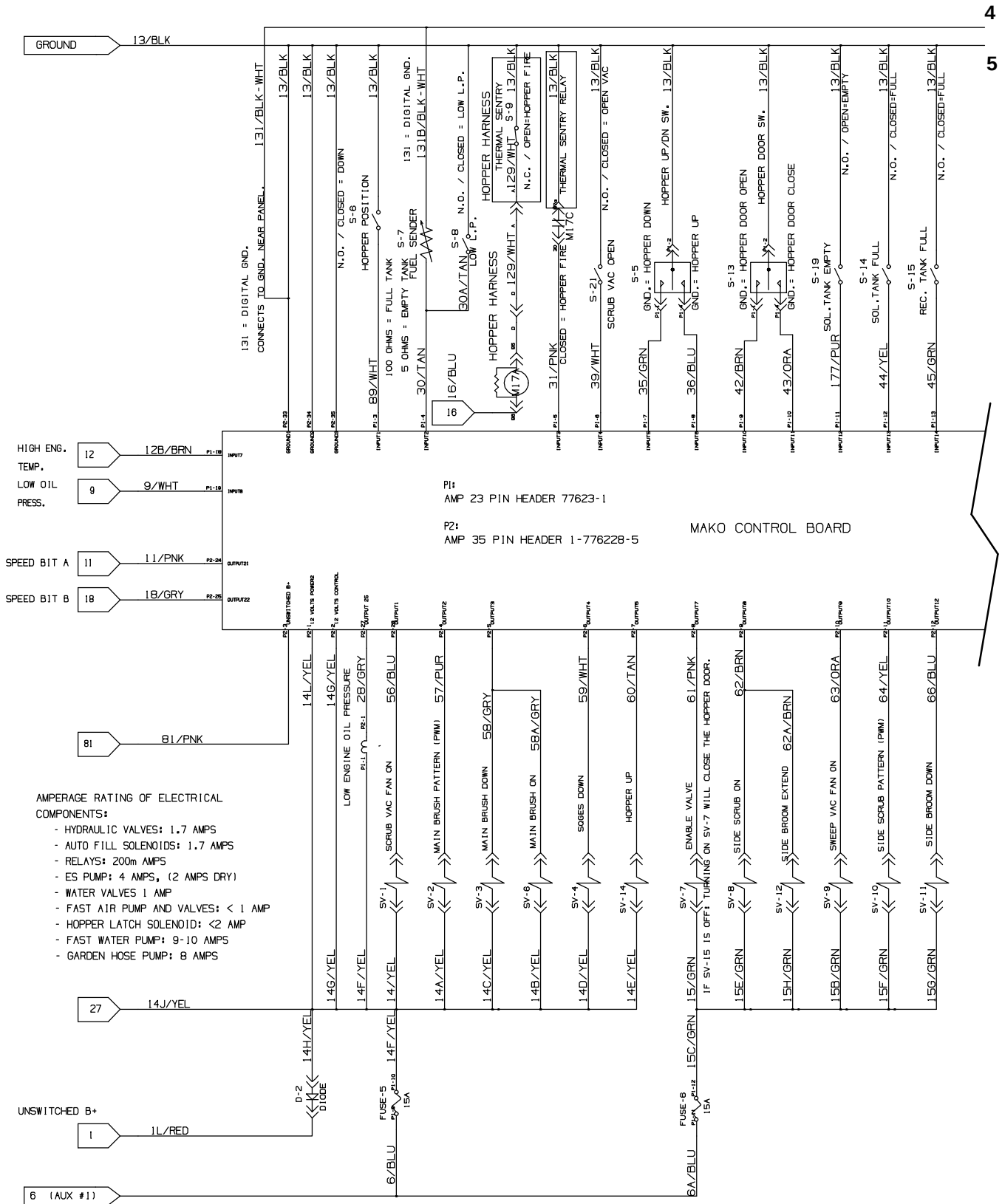


Fig. 76 – Electrical Schematic (003479–



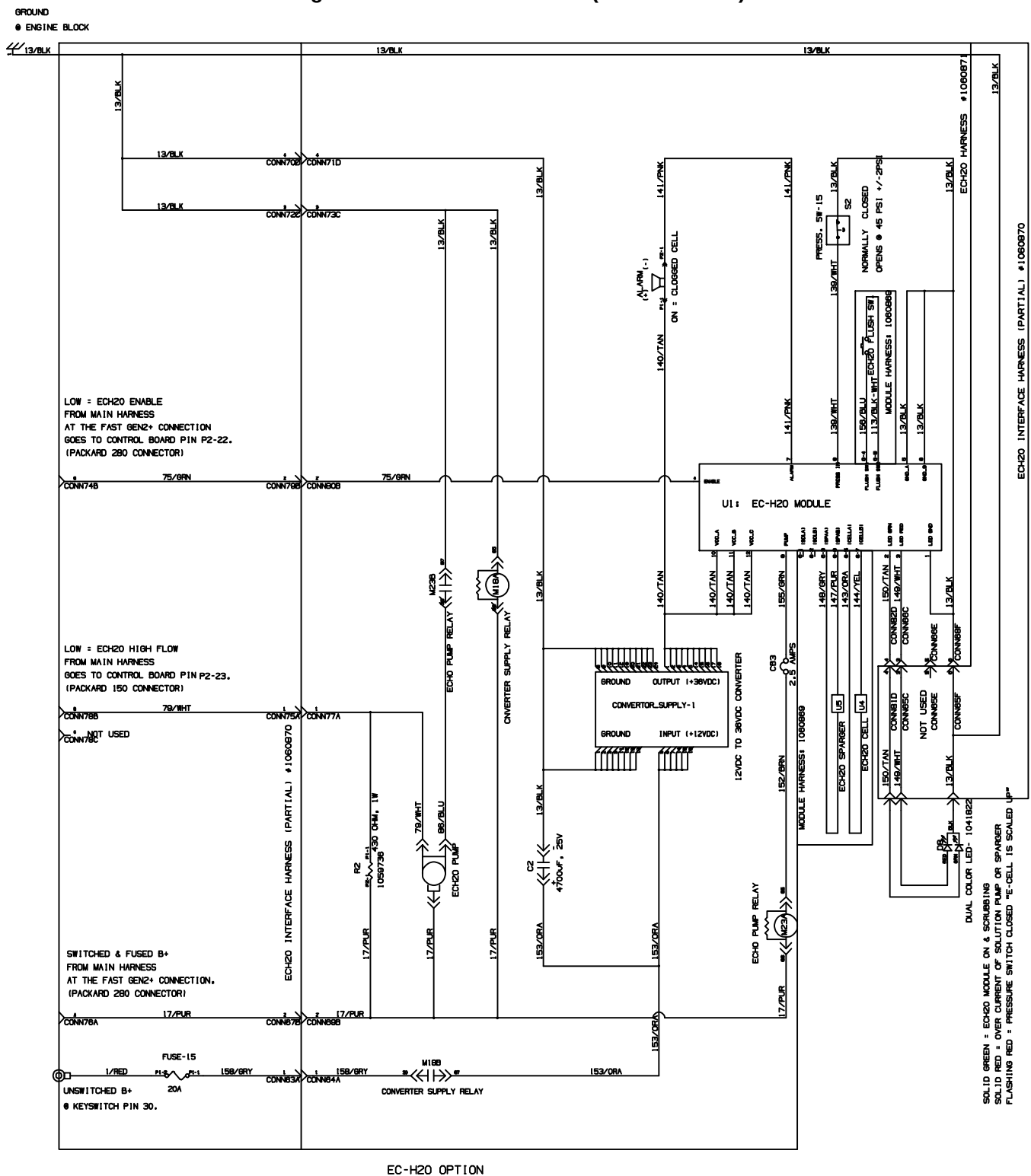
1018547 – 354458

Fig. 76 – Electrical Schematic (003479-)



1018547 – 354458

Fig. 76 – Electrical Schematic (003479–)



1018547 - 354458

Fig. 77 – Electrical Schematic, Gas/LPG Engine Harness (000000–001999)

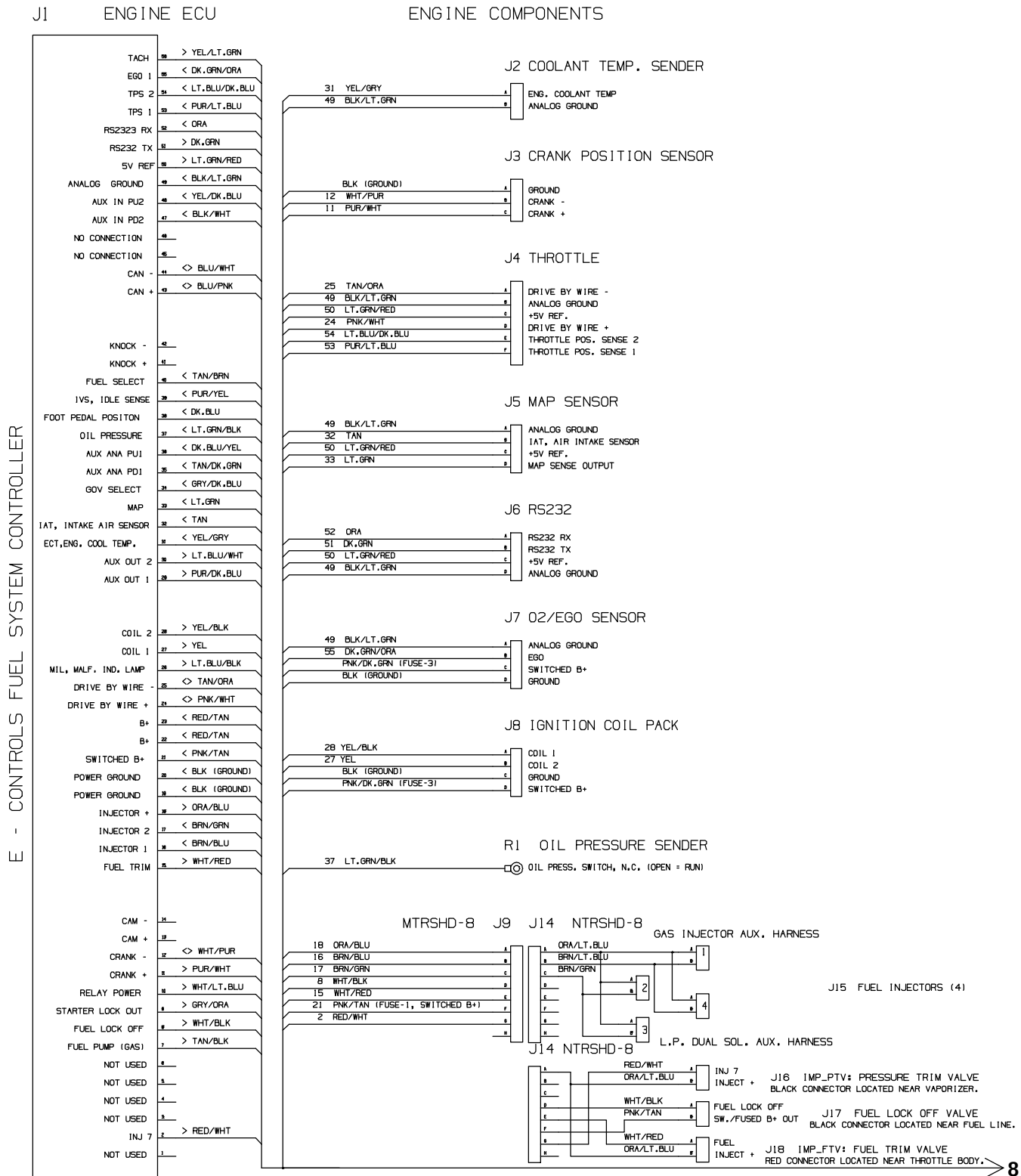
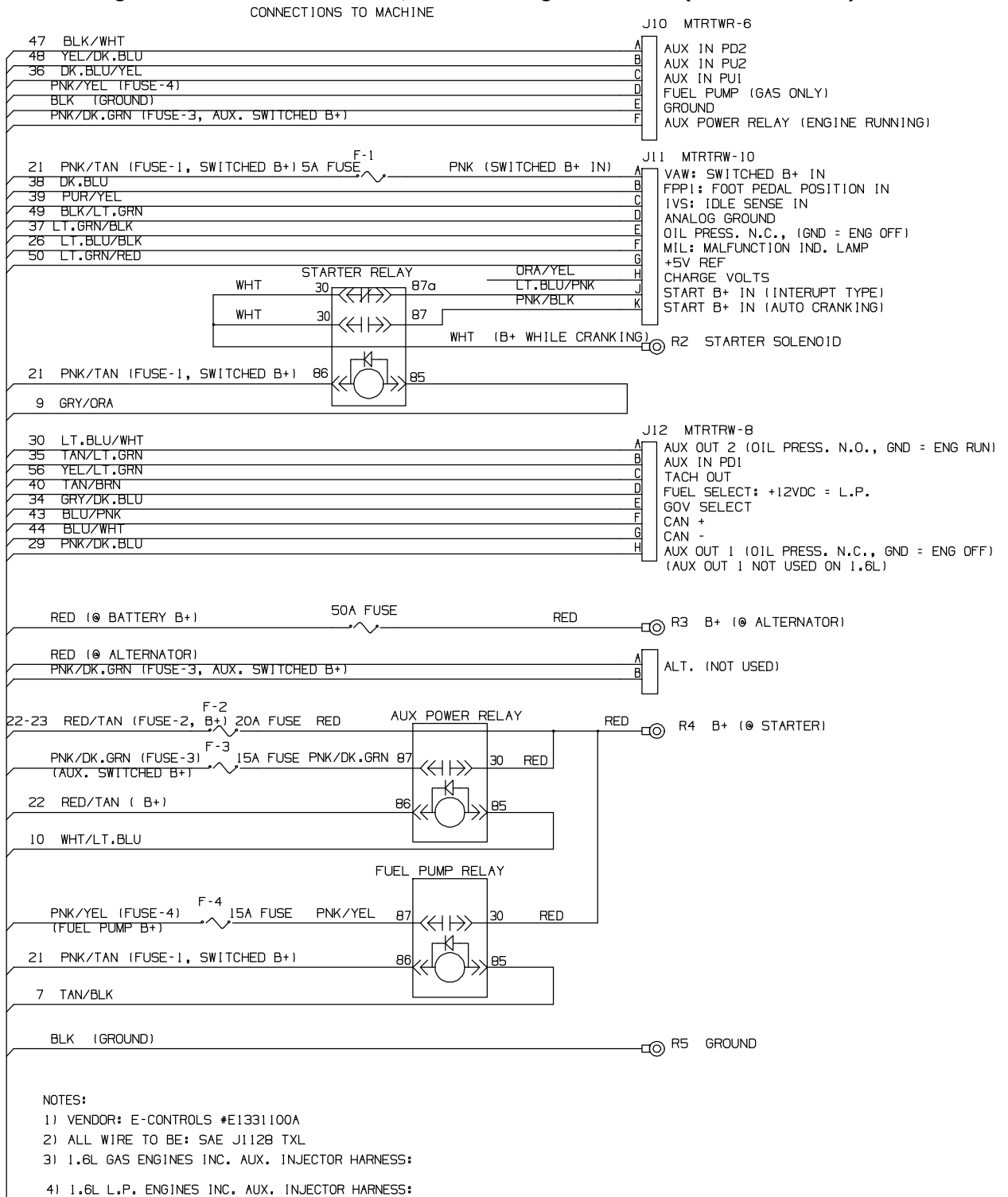


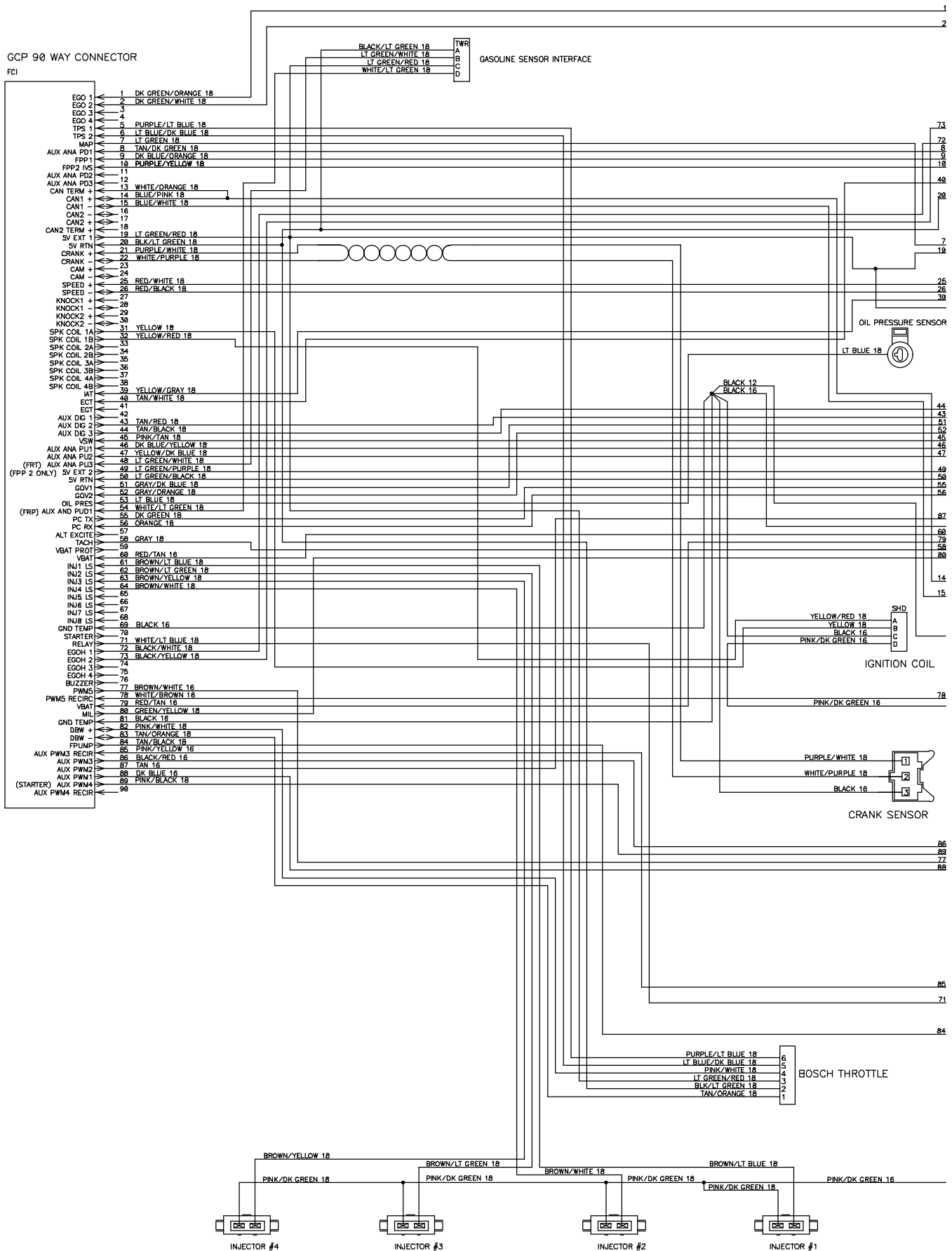
Fig. 77 – Electrical Schematic, Gas/LPG Engine Harness (000000-001999)

8

1018547

STANDARD PARTS

Fig. 78 – Electrical Schematic, Gas Engine Harness (002000-003122)



384997 – 354495

Fig. 78 – Electrical Schematic, Gas Engine Harness (002000-003122)

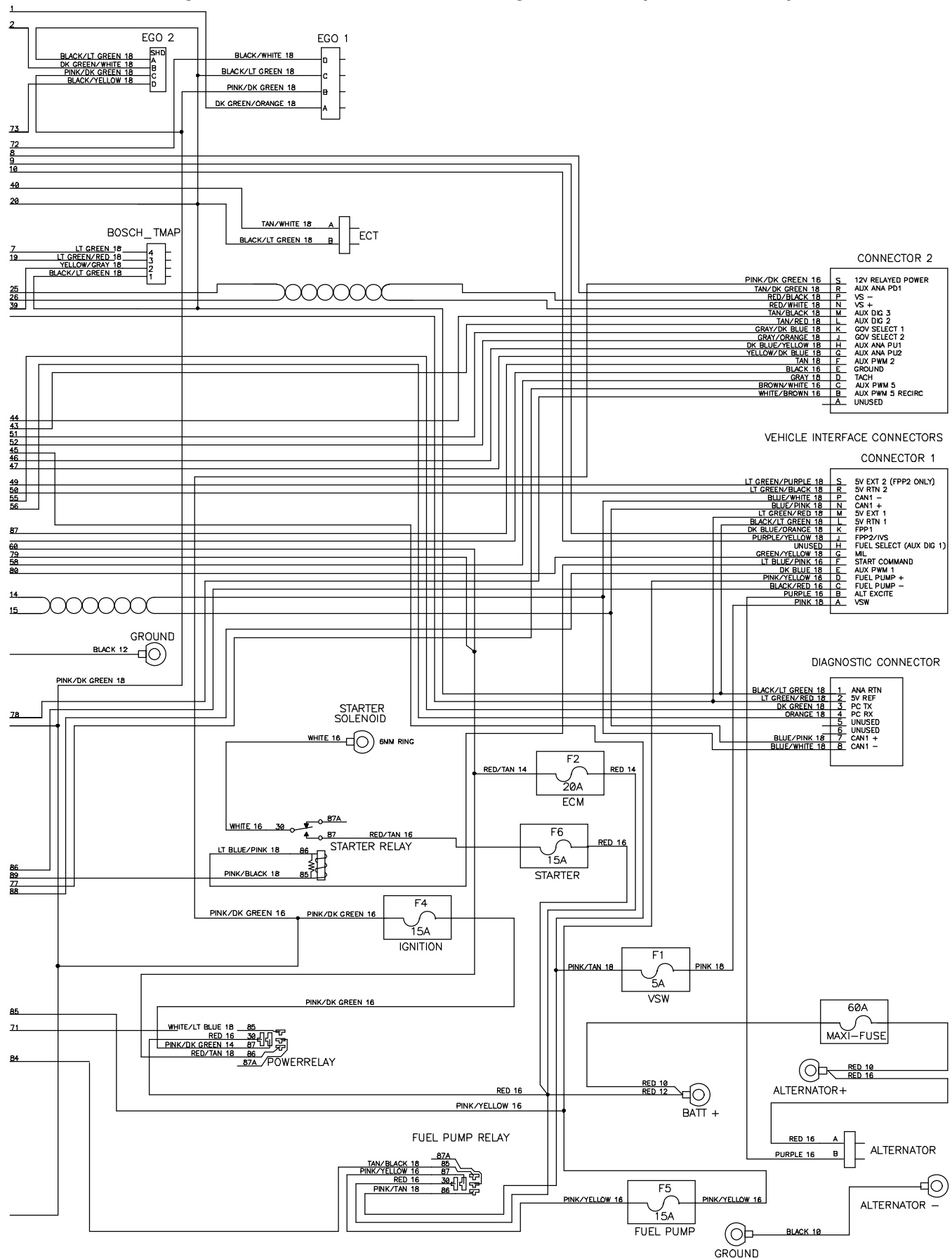
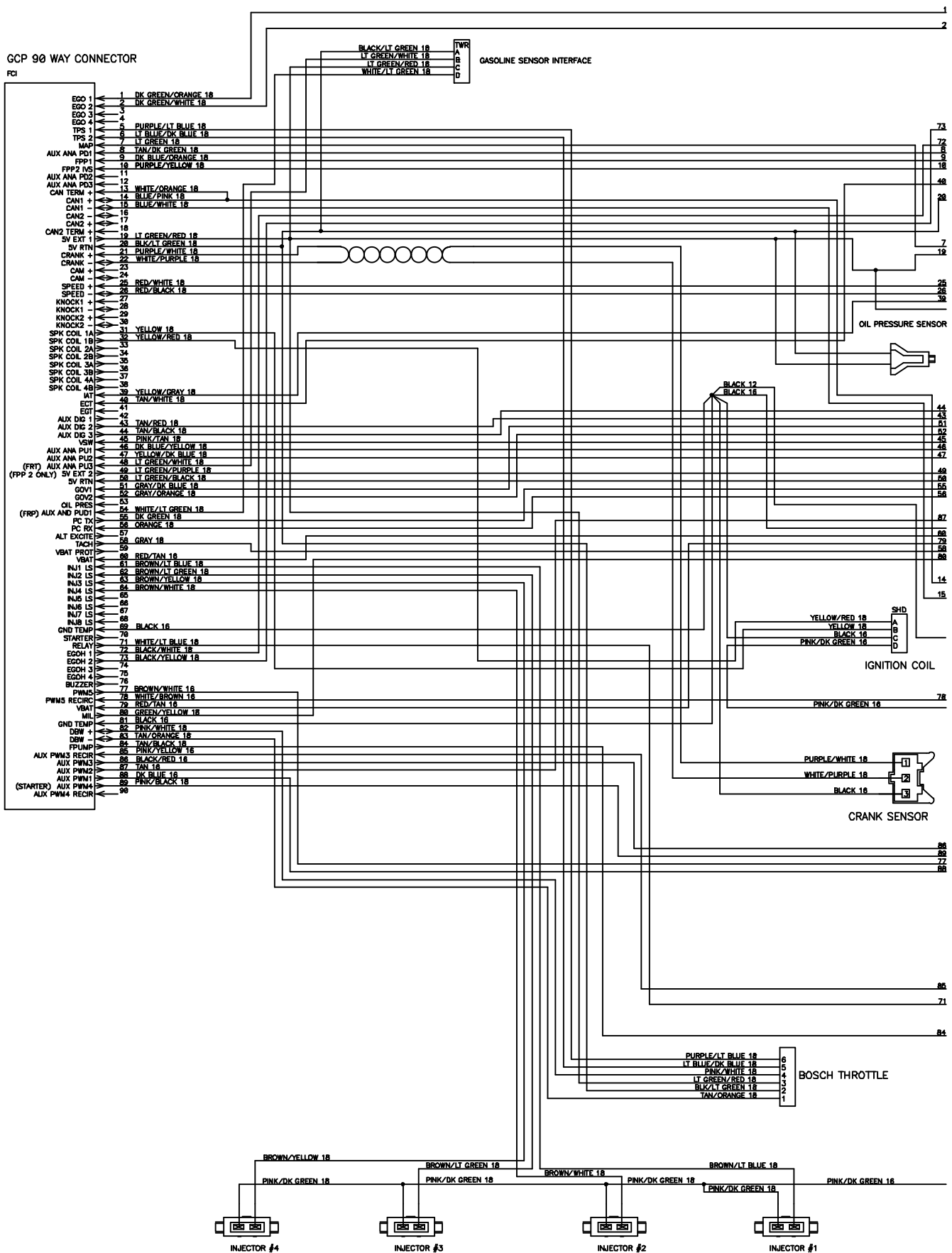


Fig. 79 – Electrical Schematic, Gas Engine Harness (003123–)



384997 – 354495

Fig. 79 – Electrical Schematic, Gas Engine Harness (003123–)

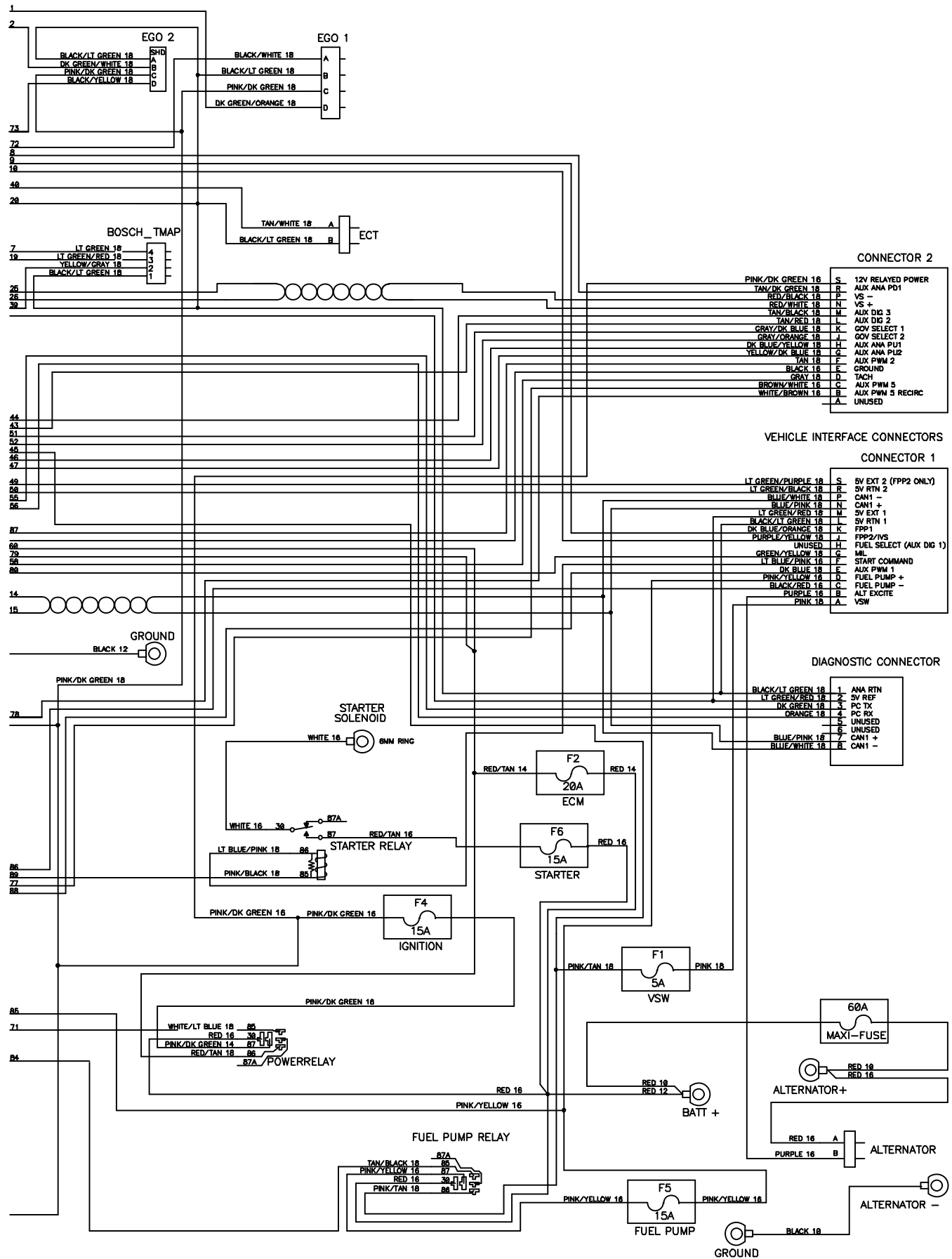
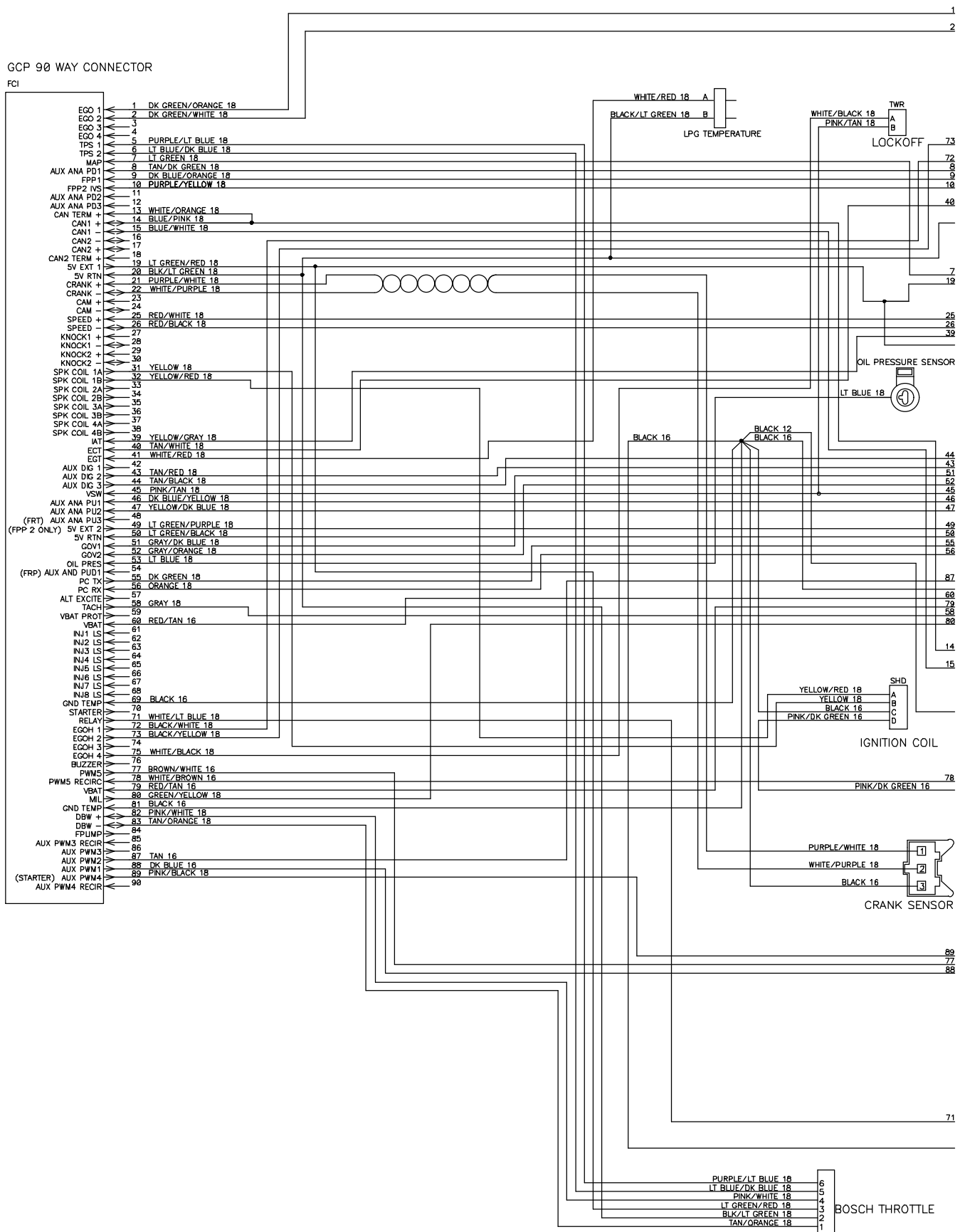
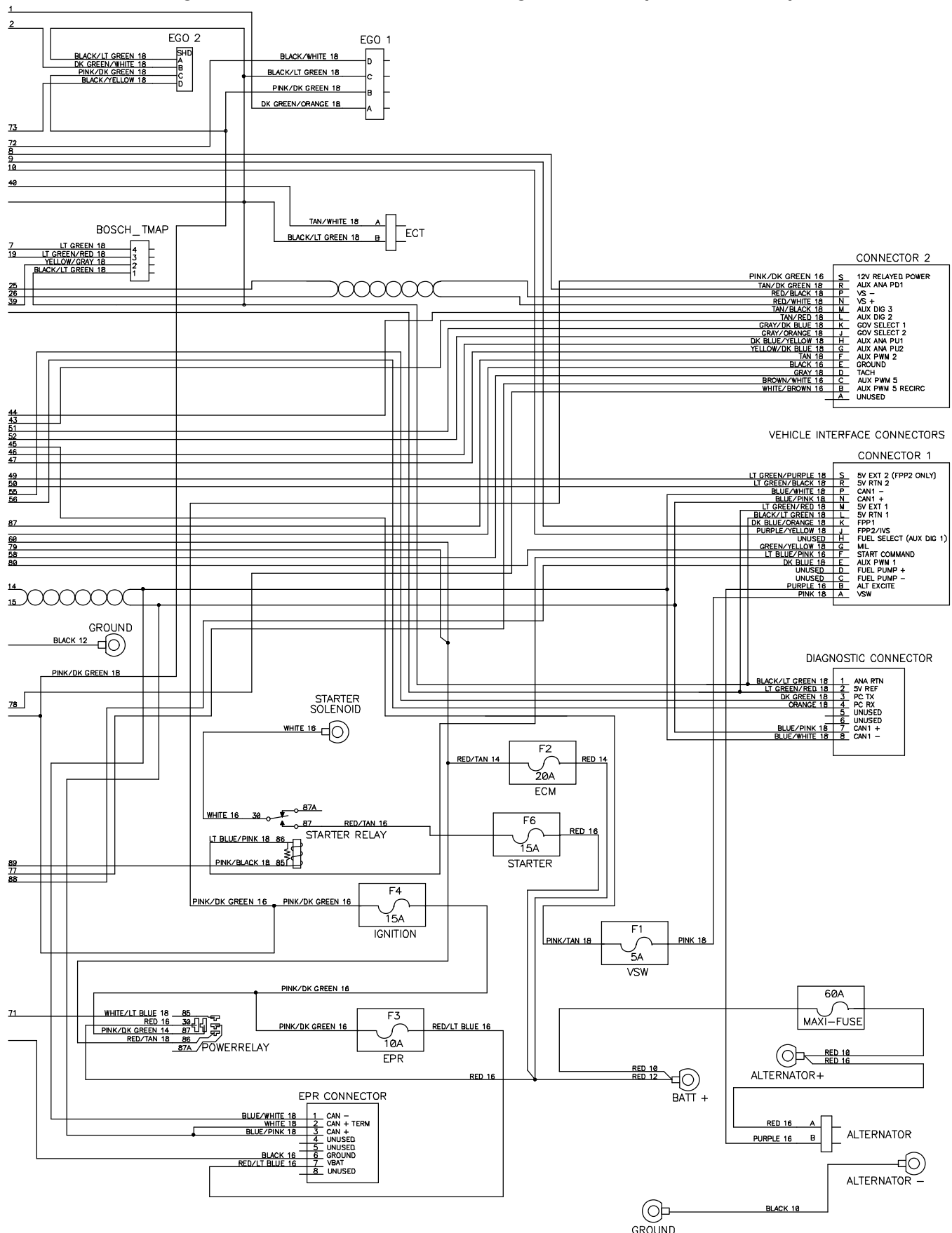


Fig. 80 – Electrical Schematic, LPG Engine Harness (002000-003122)



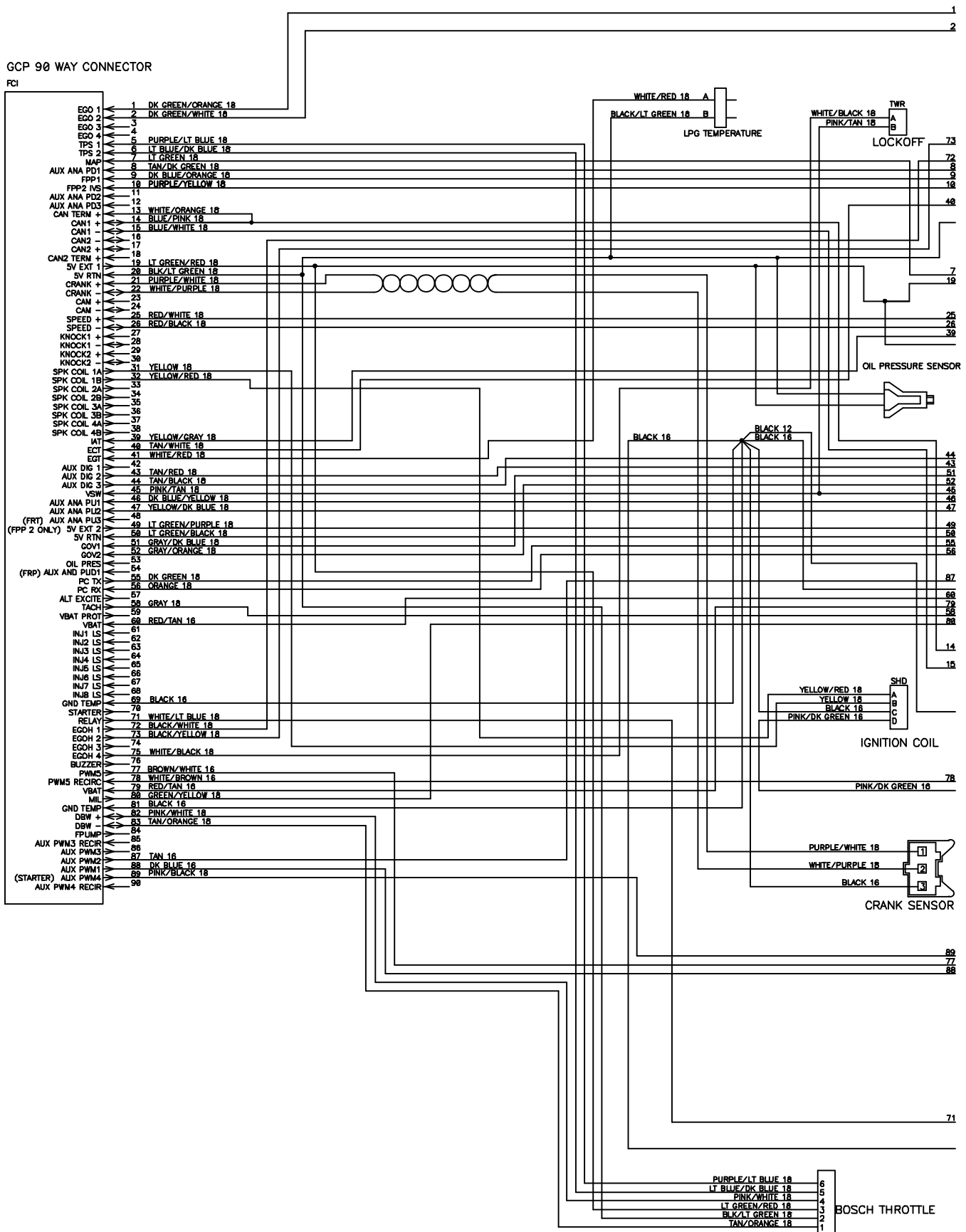
384990 - 354497

Fig. 80 – Electrical Schematic, LPG Engine Harness (002000-003122)



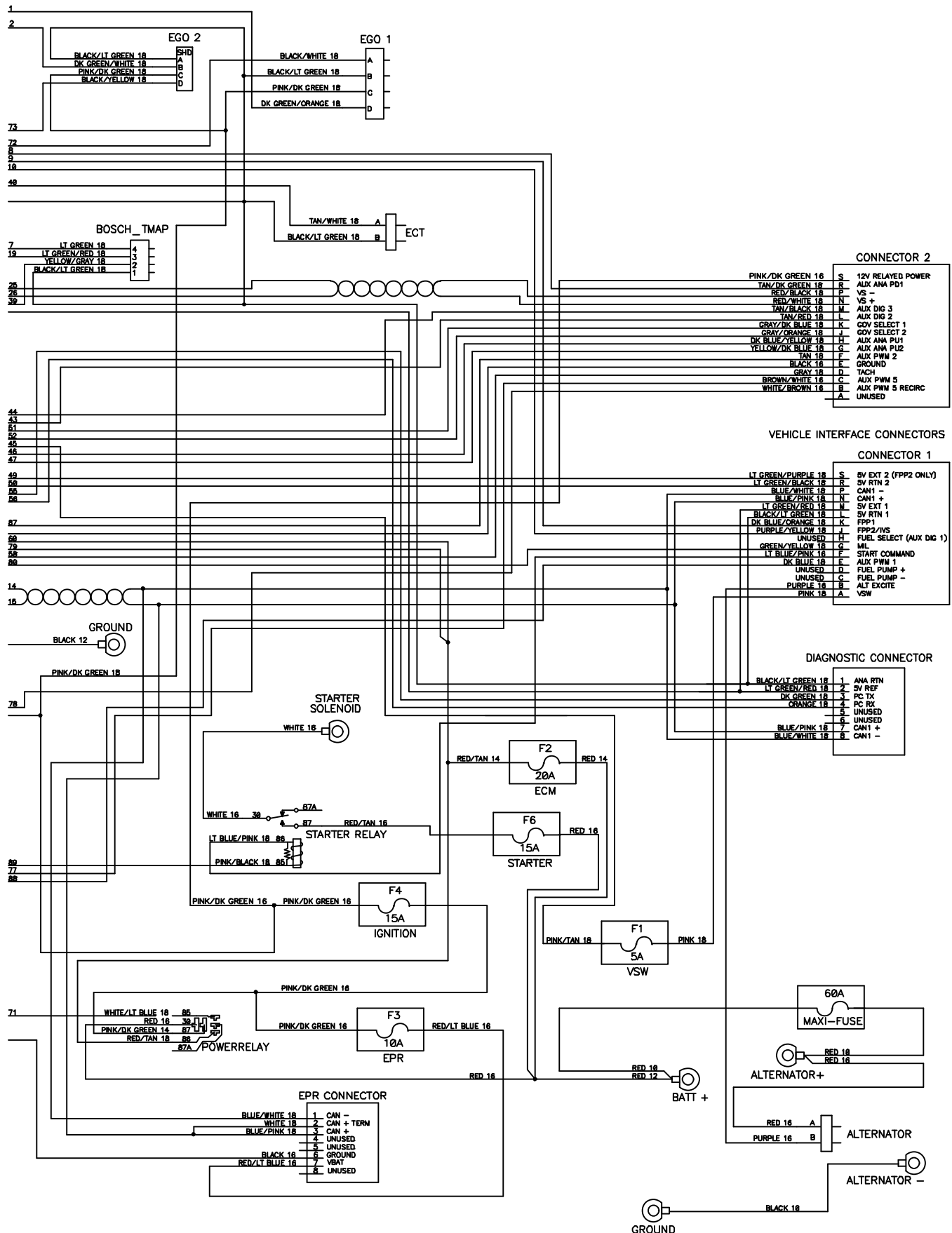
STANDARD PARTS

Fig. 81 – Electrical Schematic, LPG Engine Harness (003123-)



384990 – 354497

Fig. 81 – Electrical Schematic, LPG Engine Harness (003123-)



384990 - 354498

M20 Gas/LPG 331381 (4-11)

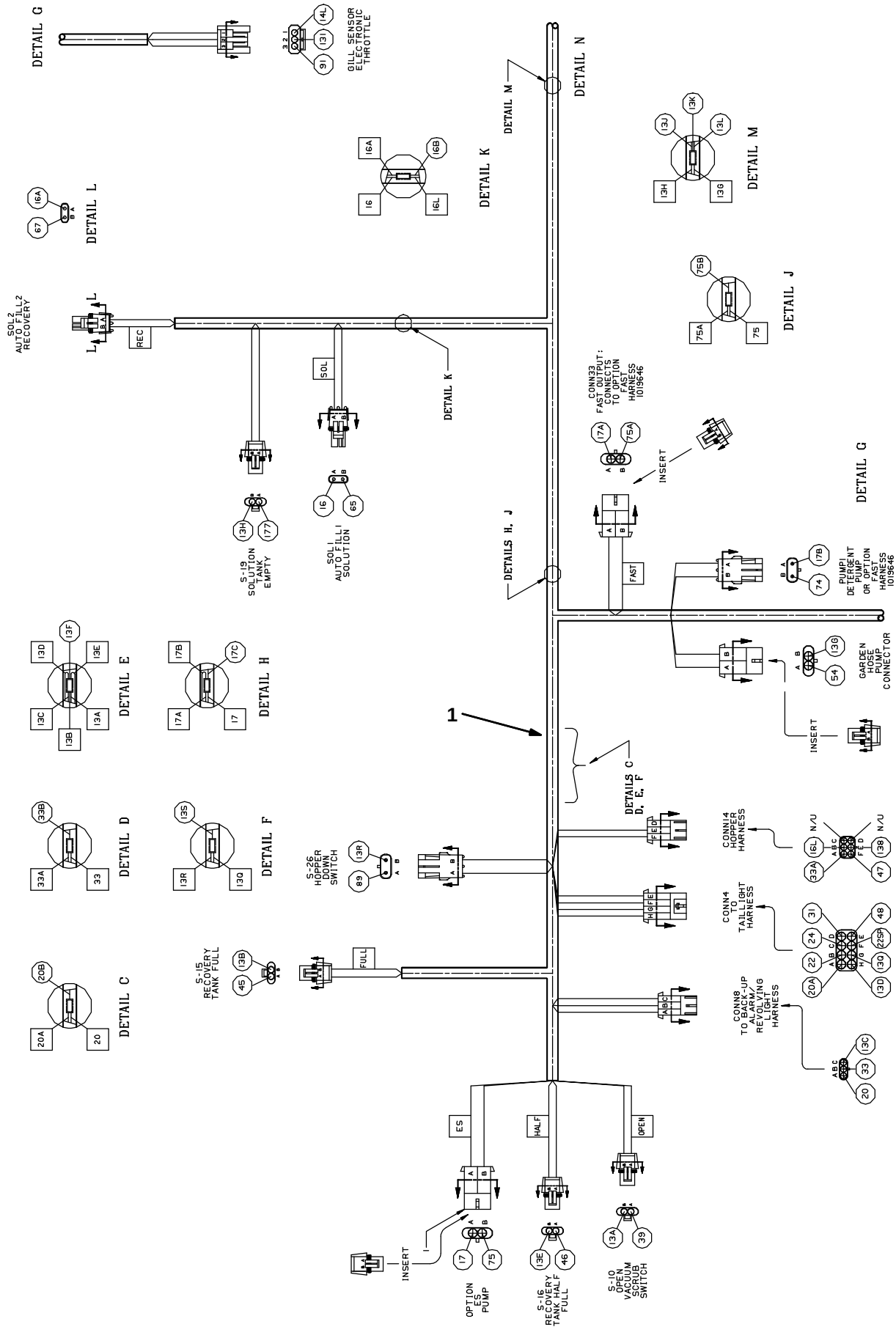
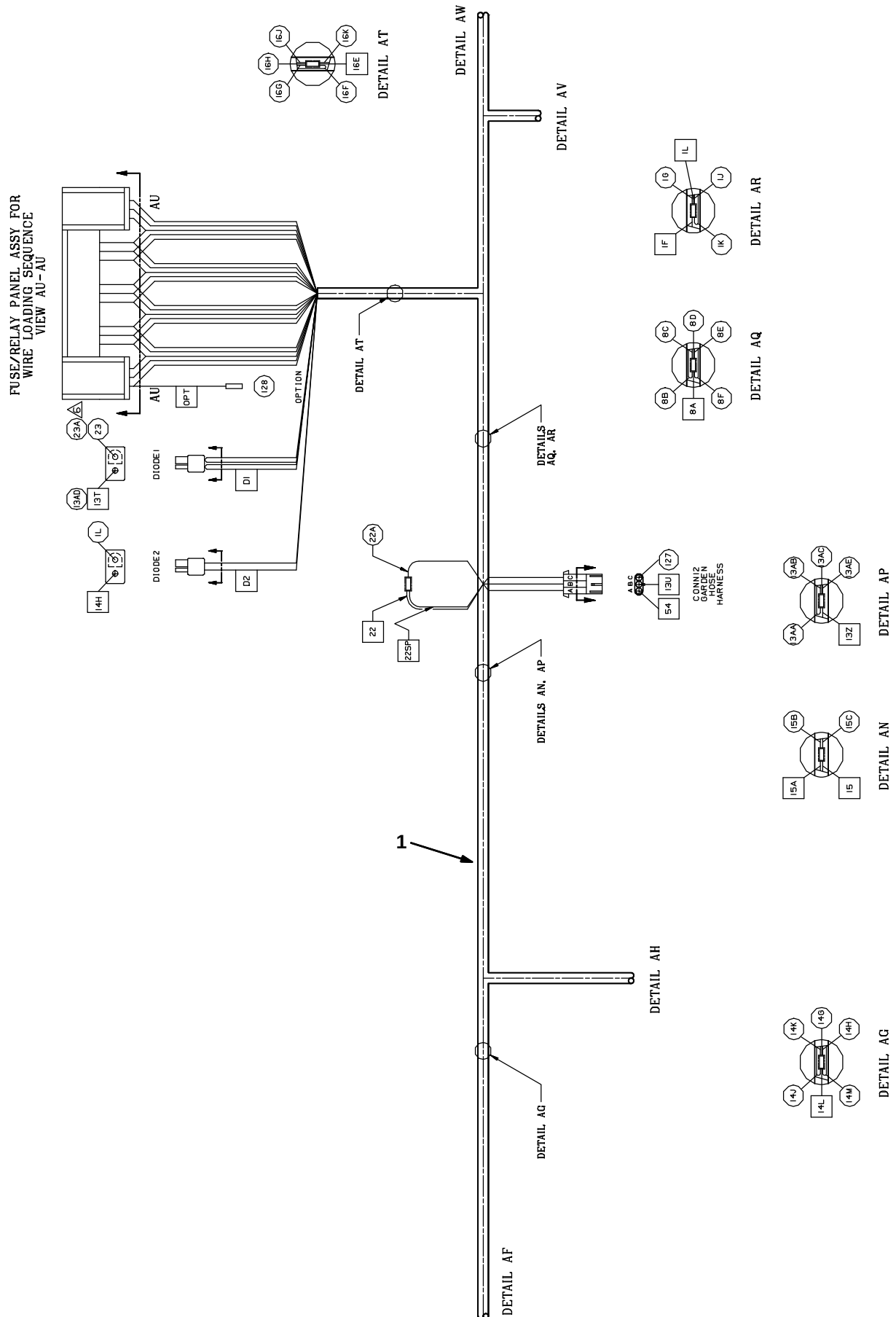


Fig. 82 – Electrical Wire Harness Group, Main



M20 Gas/LPG 331381 (4-11)

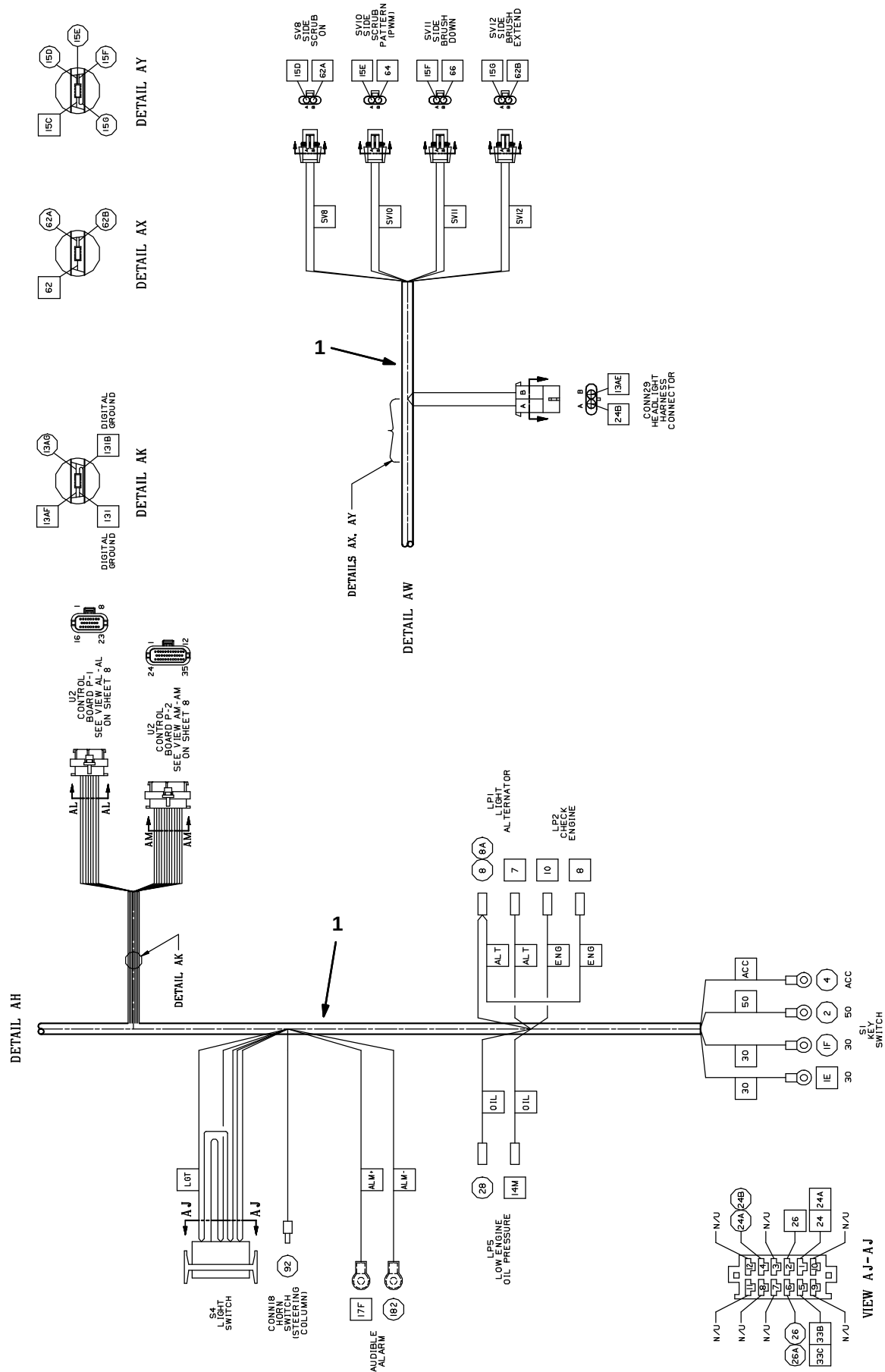


Fig. 82 – Electrical Wire Harness Group, Main

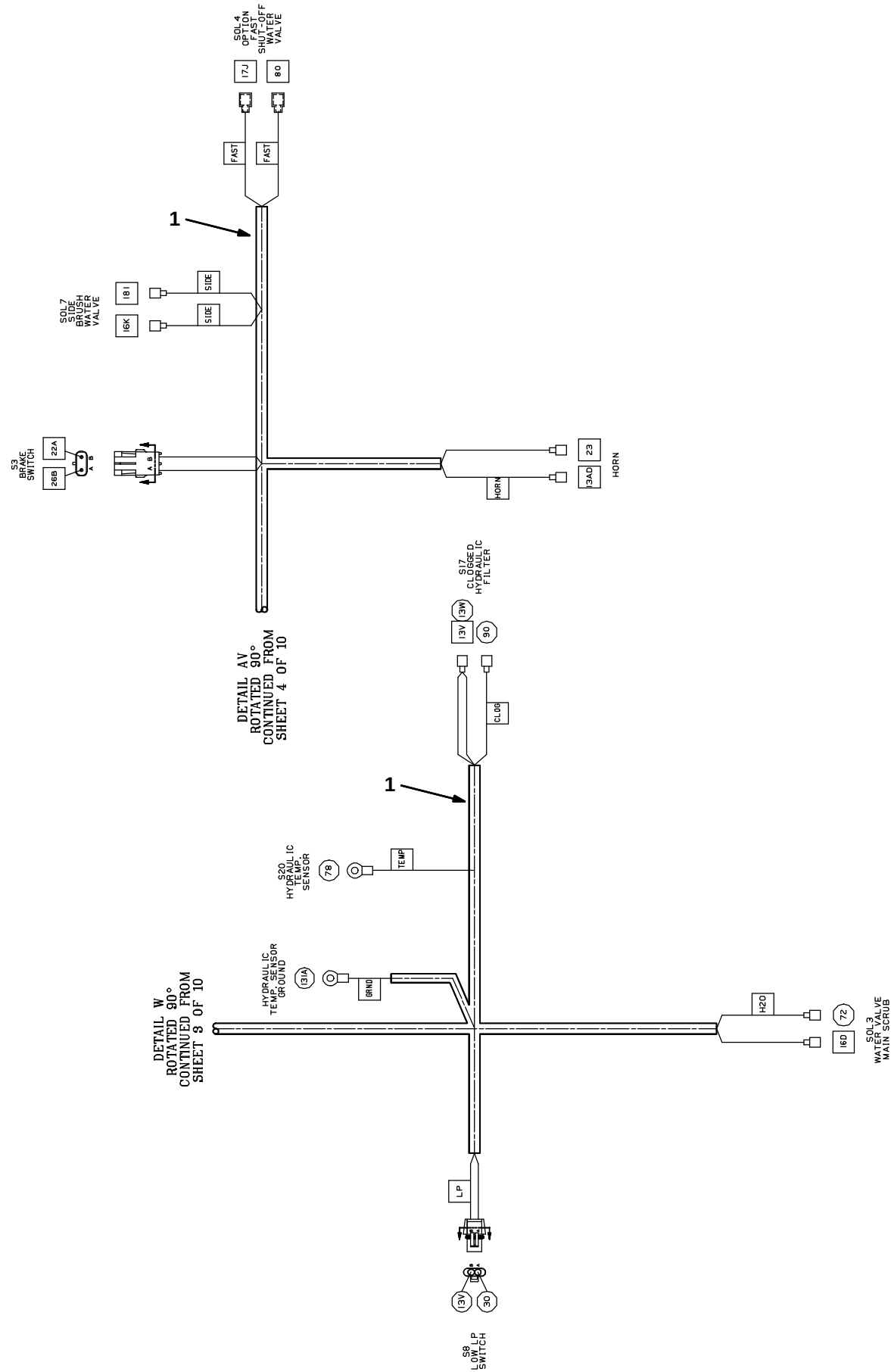
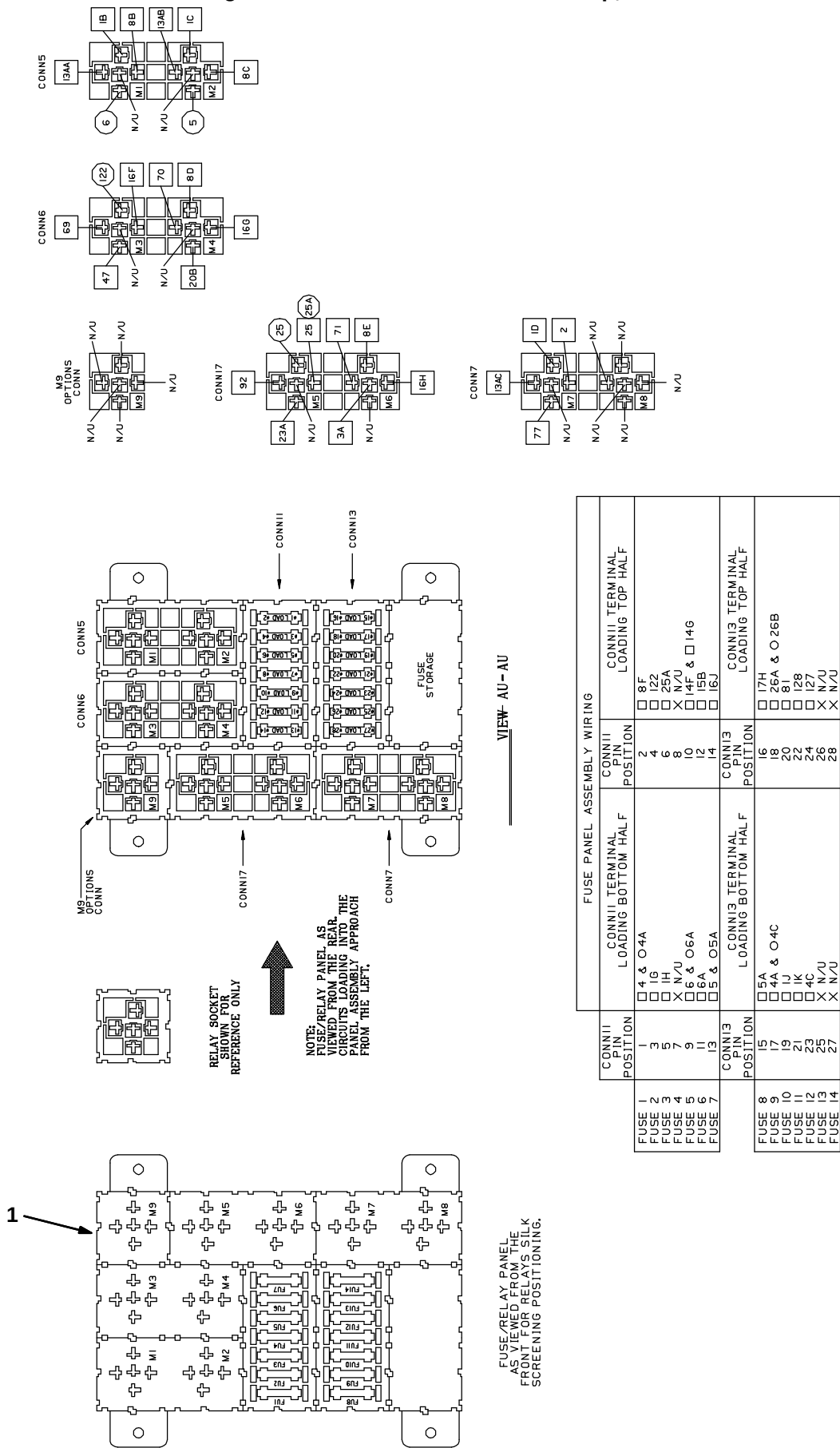


Fig. 82 – Electrical Wire Harness Group, Main



FUSE PANEL ASSEMBLY WIRING				
	CONN11 PIN POSITION	CONN11 TERMINAL LOADING BOTTOM HALF	CONN11 PIN POSITION	CONN11 TERMINAL LOADING TOP HALF
FUSE 1	1	□ 4 & O4A	2	□ 8F
FUSE 2	3	□ 1G	4	□ 122
FUSE 3	5	□ 1H	6	□ 25A
FUSE 4	7	□ N/U	8	□ X N/U
FUSE 5	9	□ 6 & O6A	10	□ 14F & □ 14G
FUSE 6	11	□ 6A	12	□ 15B
FUSE 7	13	□ 5 & O5A	14	□ 16J
	CONN13 PIN POSITION	CONN13 TERMINAL LOADING BOTTOM HALF	CONN13 PIN POSITION	CONN13 TERMINAL LOADING TOP HALF
FUSE 8	15	□ 5A & O4C	16	□ 17H
FUSE 9	17	□ 4A & O4C	18	□ 16A & O26B
FUSE 10	19	□ 1J	20	□ 128
FUSE 11	21	□ 2J	22	□ 127
FUSE 12	23	□ 4C	24	□ X
FUSE 13	25	□ N/U	26	□ X N/U
FUSE 14	27	□ X N/U	28	□ X N/U

Fig. 82 – Electrical Wire Harness Group, Main

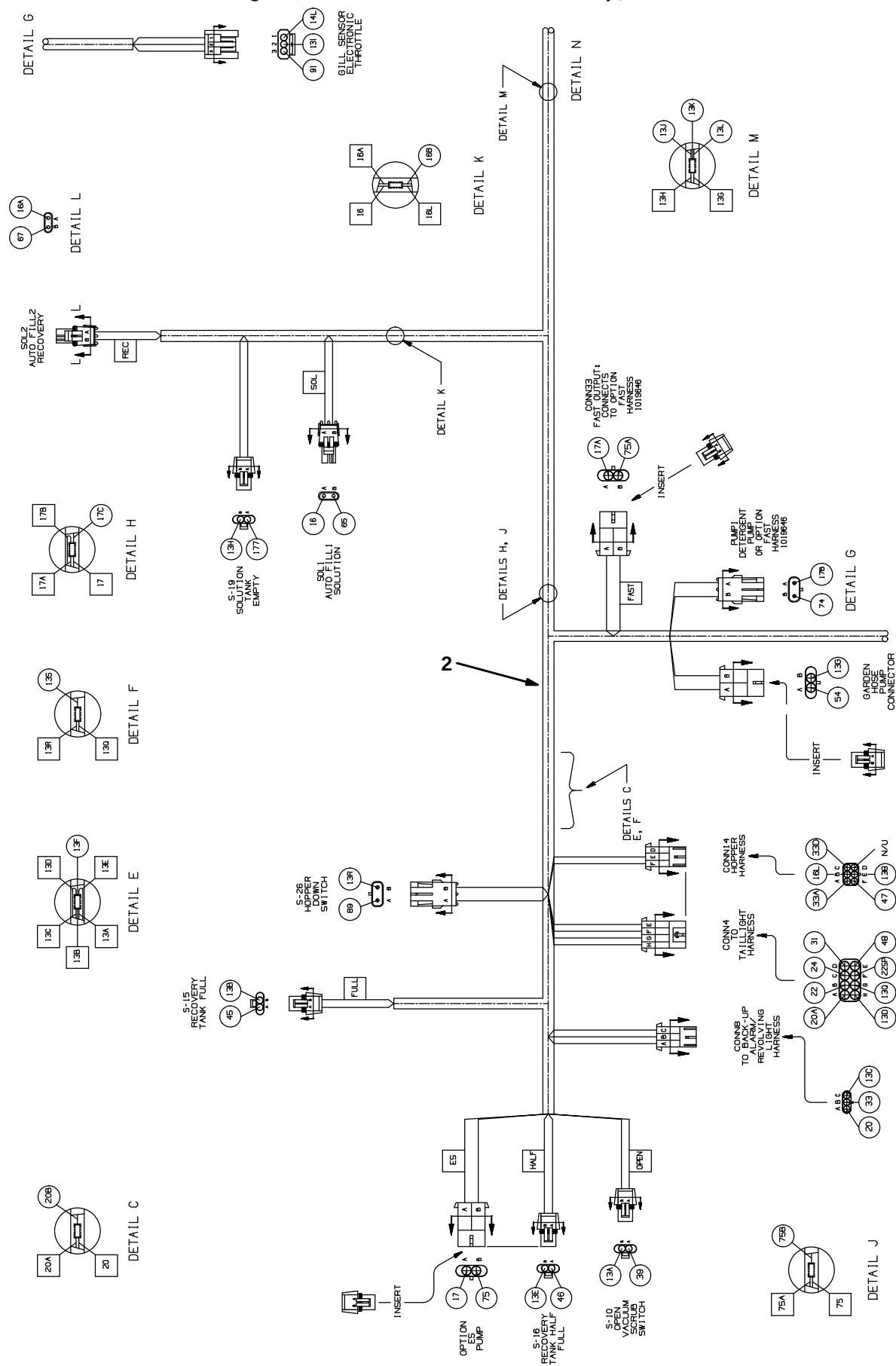


Fig. 82 – Electrical Wire Harness Group, Main

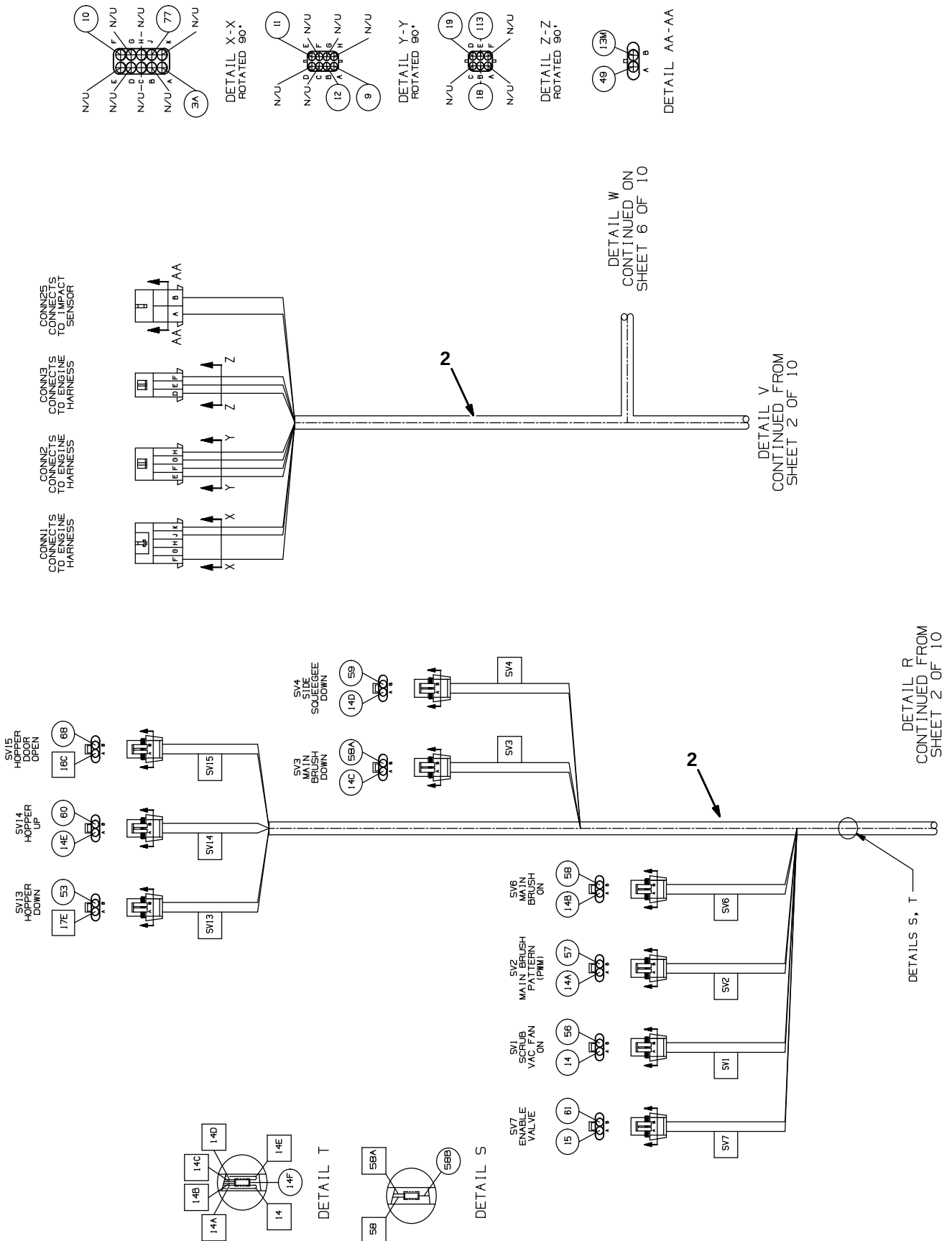


Fig. 82 – Electrical Wire Harness Group, Main

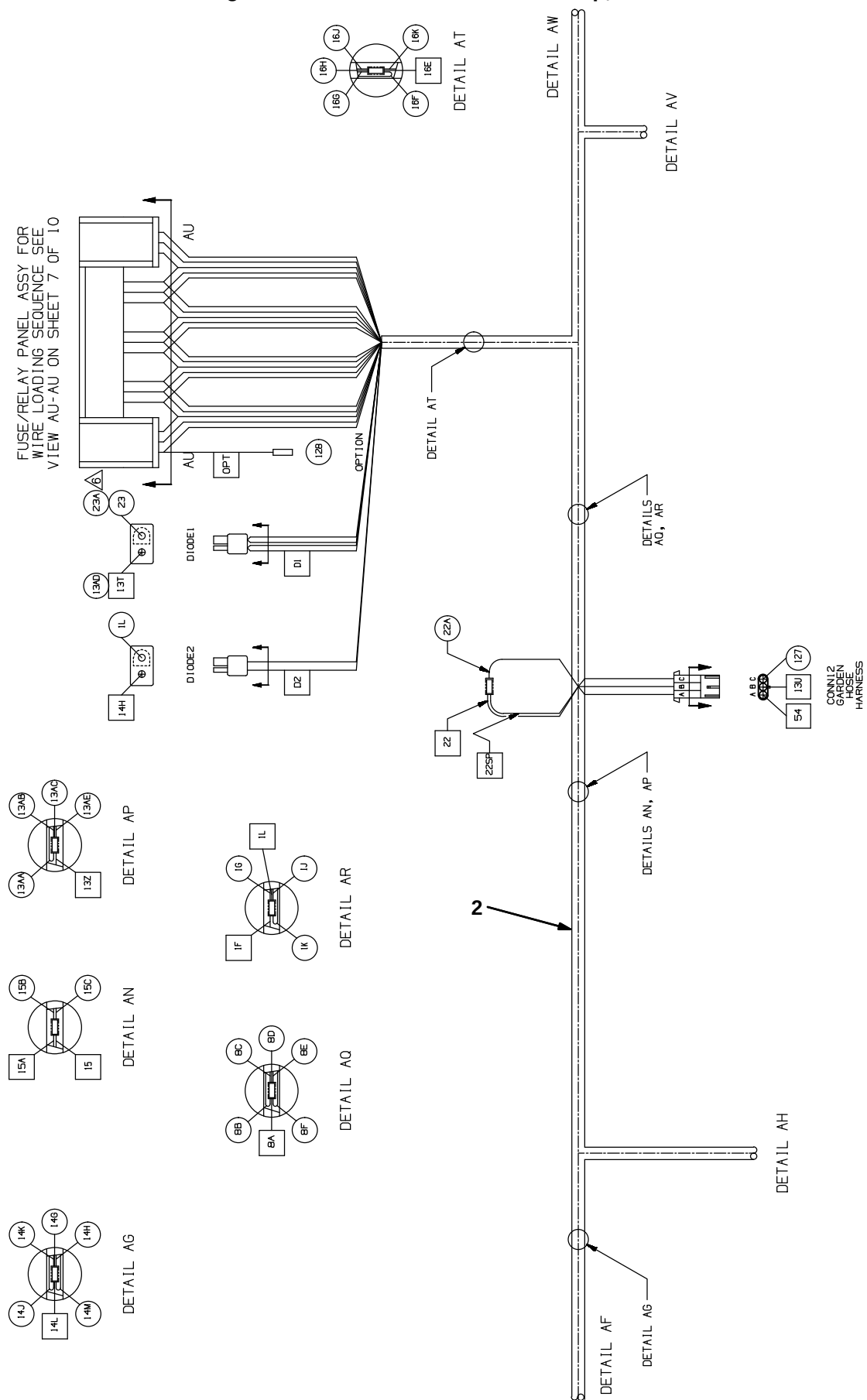


Fig. 82 – Electrical Wire Harness Group, Main

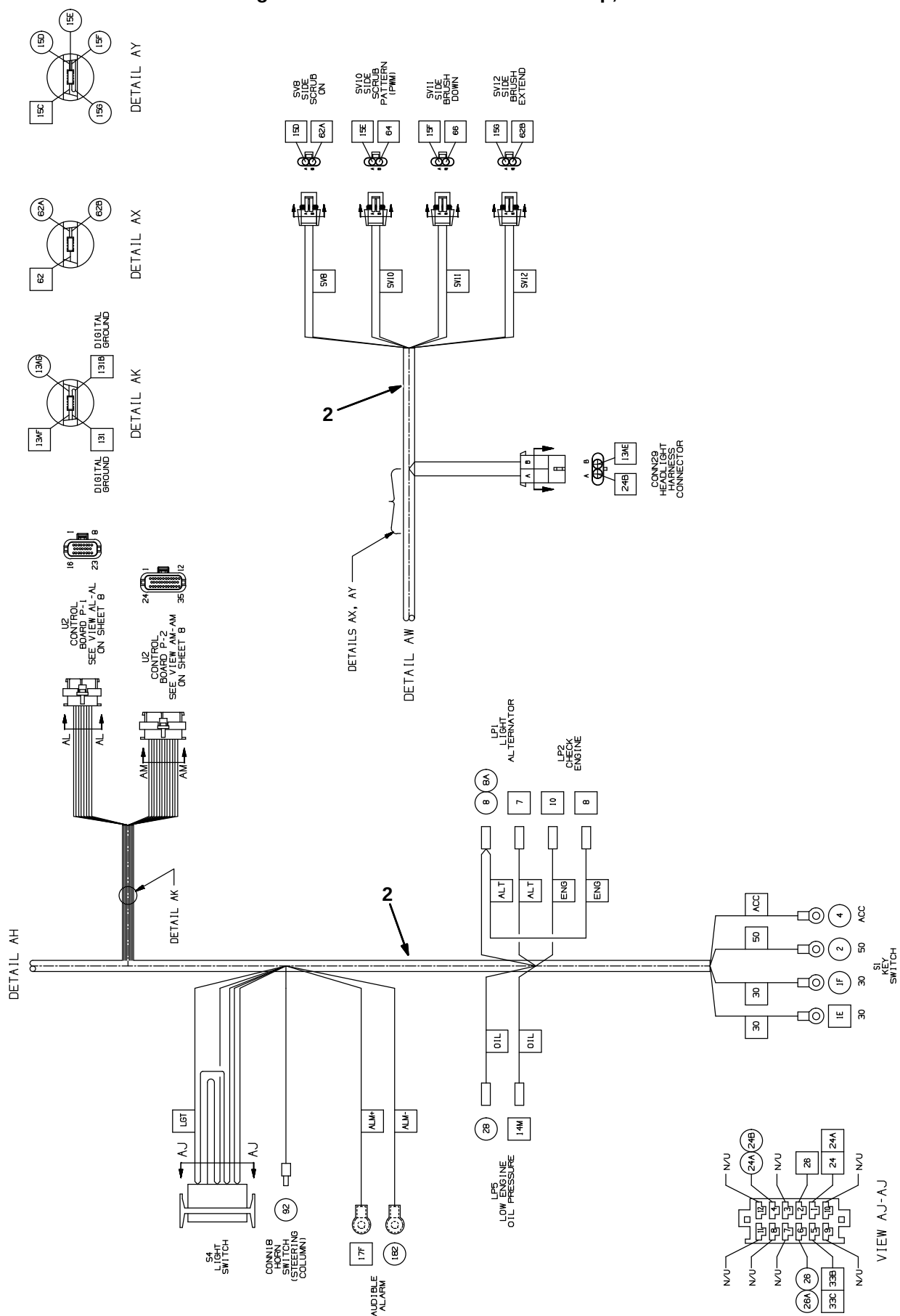


Fig. 82 – Electrical Wire Harness Group, Main

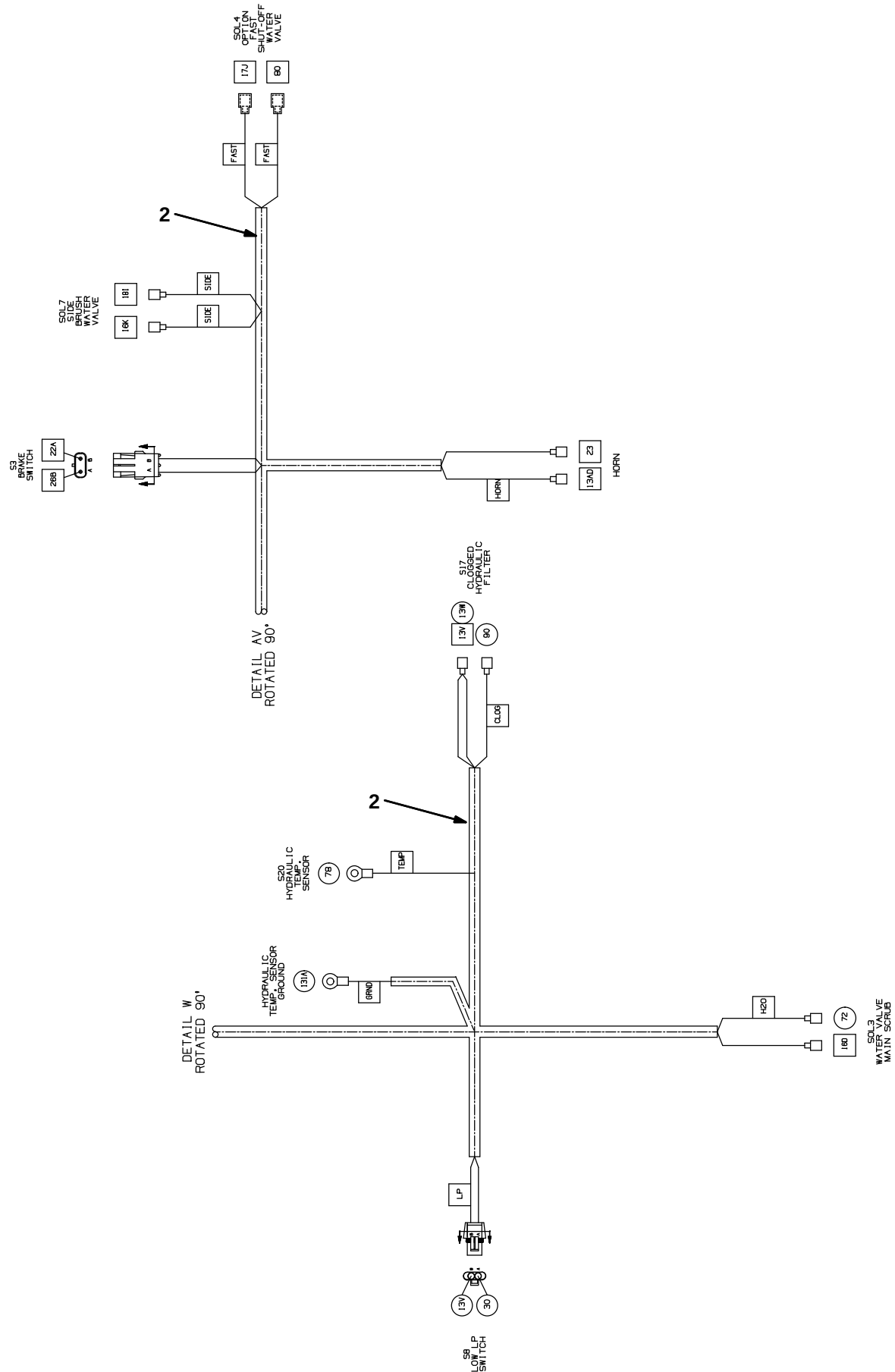
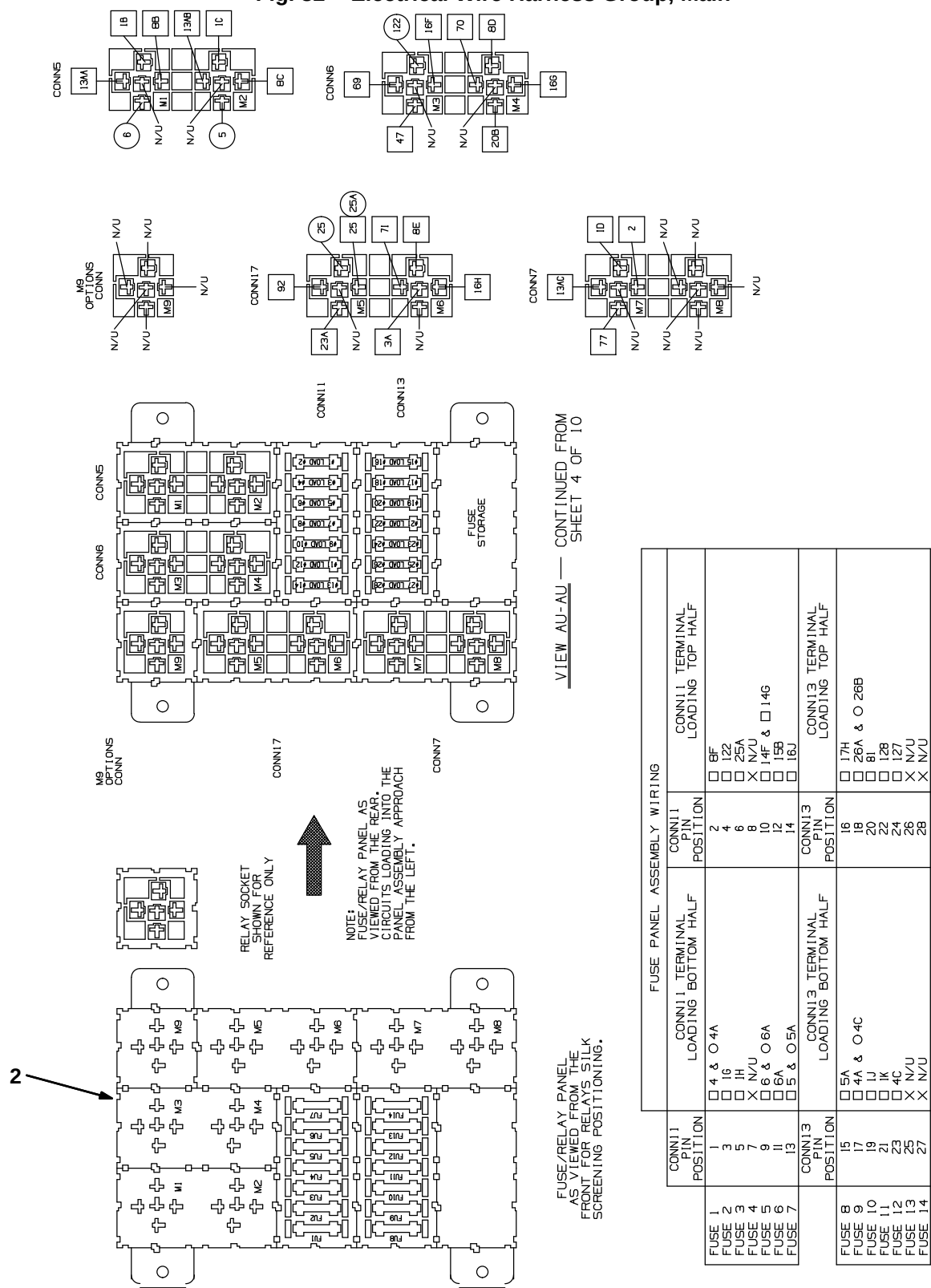
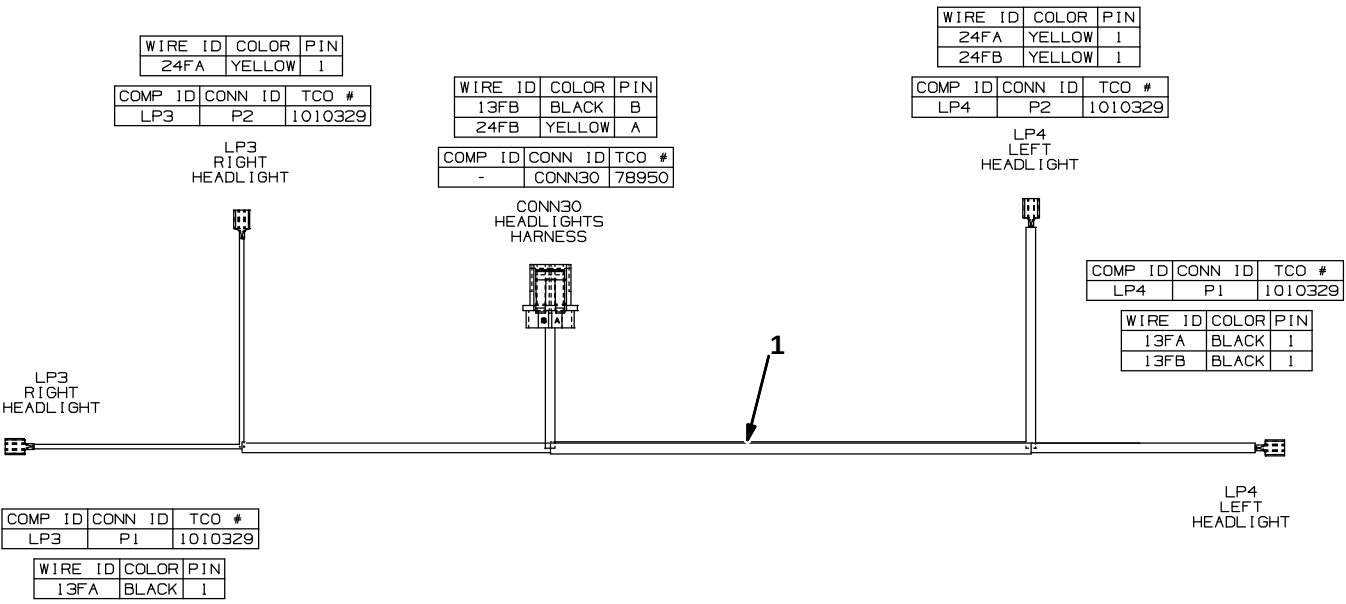


Fig. 82 – Electrical Wire Harness Group, Main



Ref.	Part No.	Serial Number	Description	Qty.
1	1018549	(000000-002273)	Harness, Main [M20]	1
2	1040620	(002274-	Harness, Main [M20]	1

Fig. 83 – Electrical Wire Harness Group, Headlight



Ref.	Part No.	Serial Number	Description	Qty.
1	1024141	(000000–)	Harness, Headlight [M20 And T20]	1

Fig. 84 – Electrical Wire Harness Group, Hopper

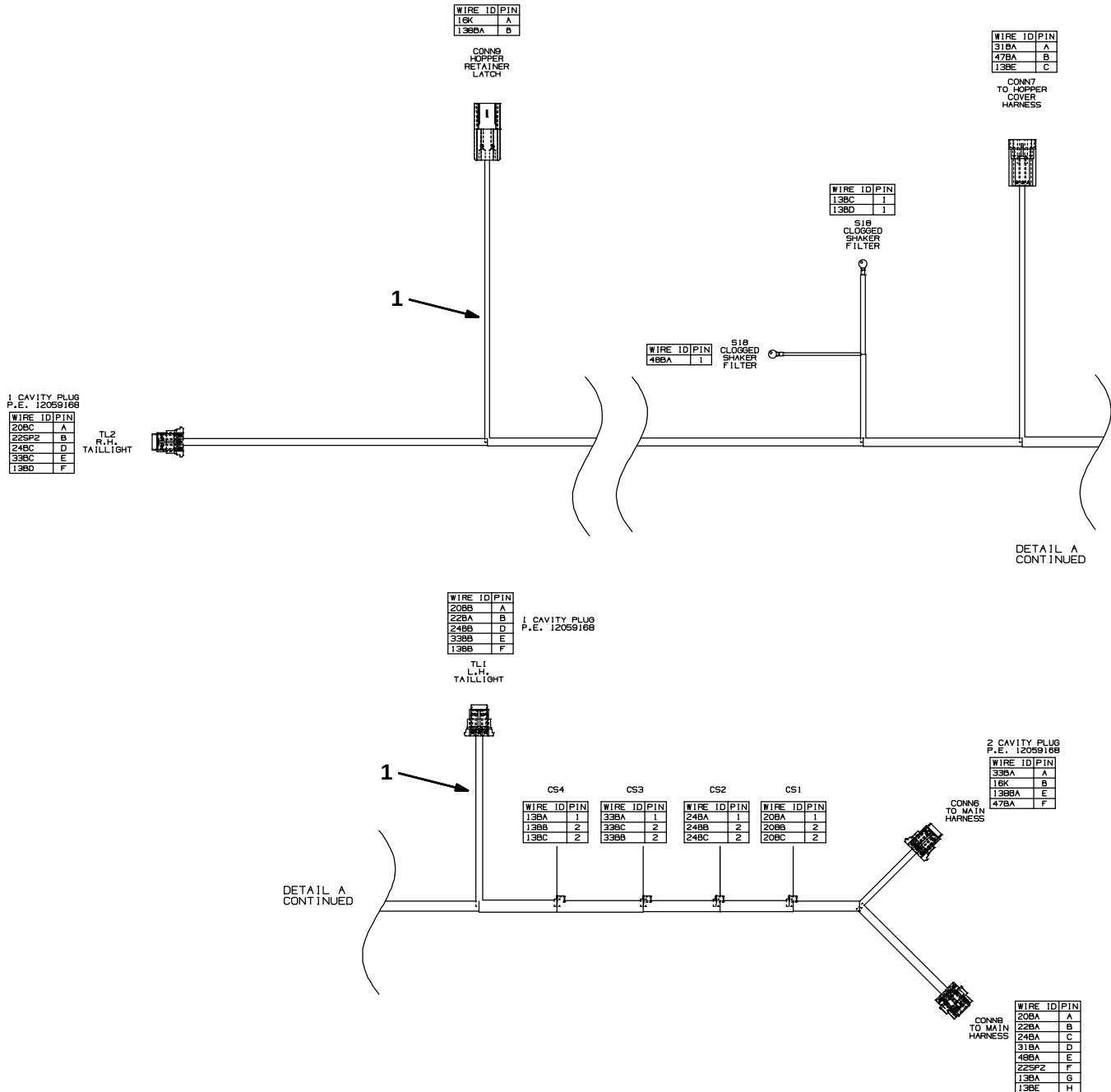


Fig. 84 – Electrical Wire Harness Group, Hopper

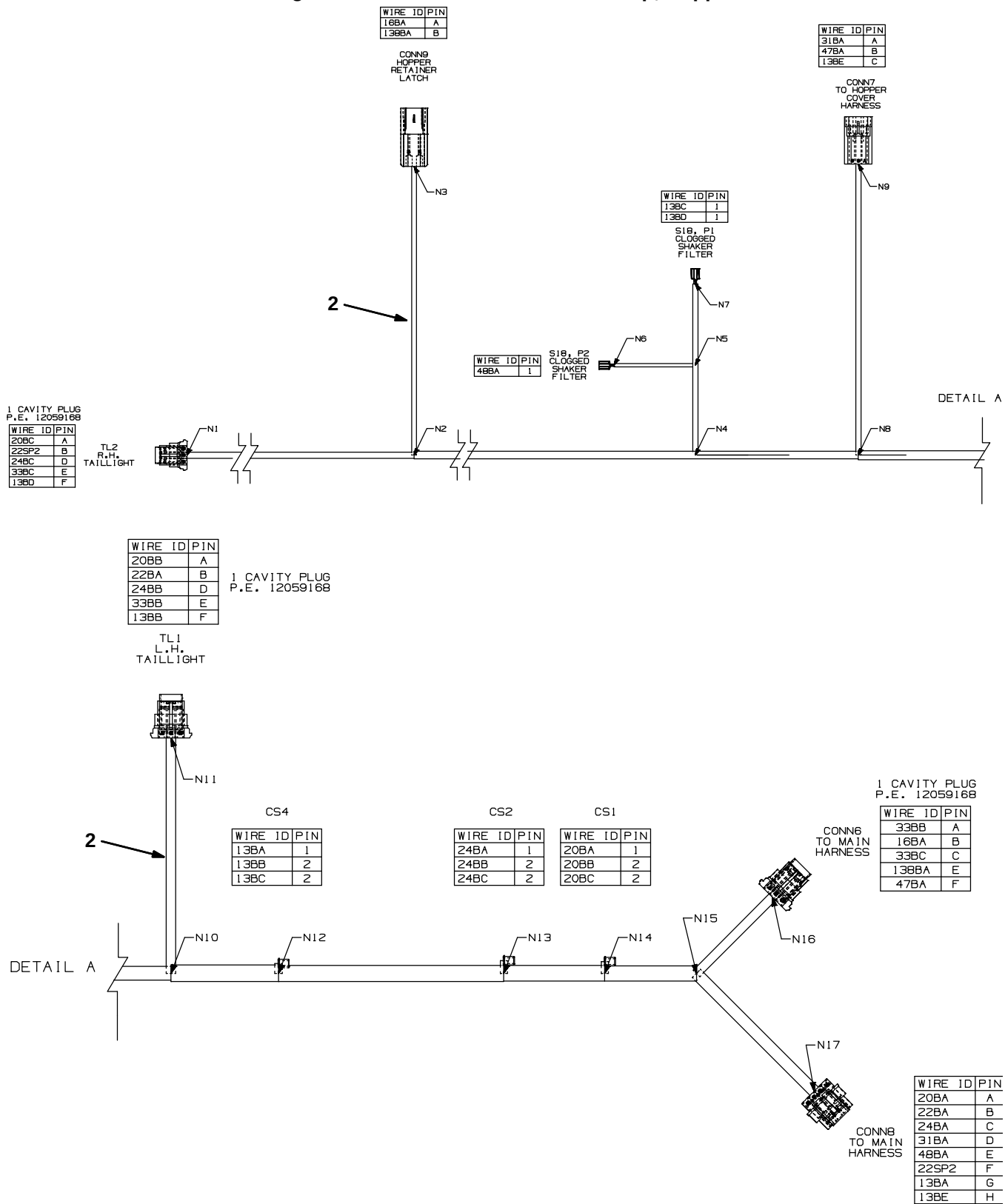
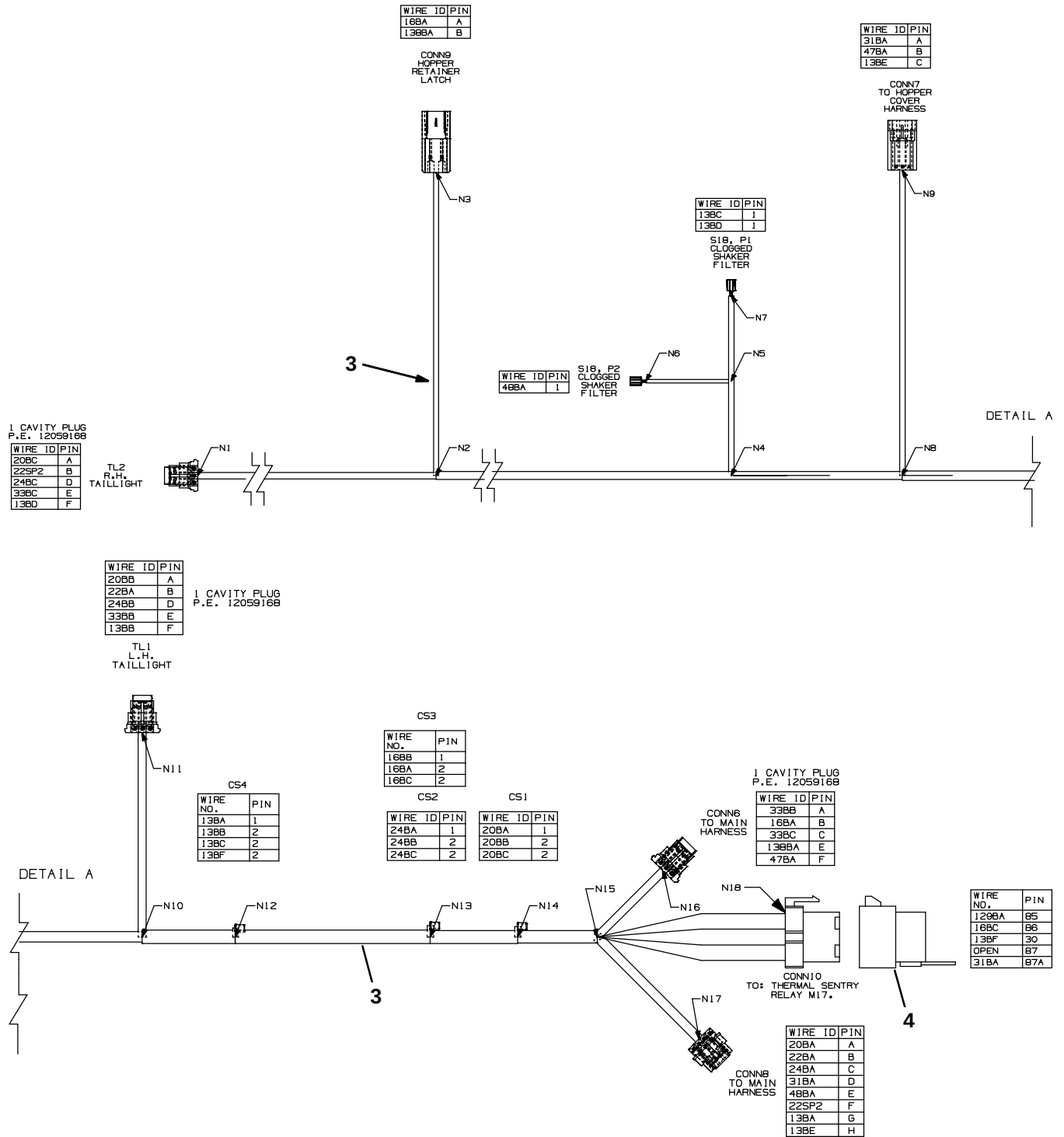


Fig. 84 – Electrical Wire Harness Group, Hopper



356253 – M20, M30

Ref.	Part No.	Serial Number	Description	Qty.
1	1019630	(000000-002273)	Harness, Hppr [M20]	1
2	1033624	(002274-003478)	Harness, Hppr [M20/M30]	1
3	1064371	(003479-)	Harness, Hppr [M20/M30]	1
4	56186	(003479-)	Relay, 12vdc, 040a, Spdt No	1

Fig. 85 – Electrical Wire Harness Group, Hopper Cover

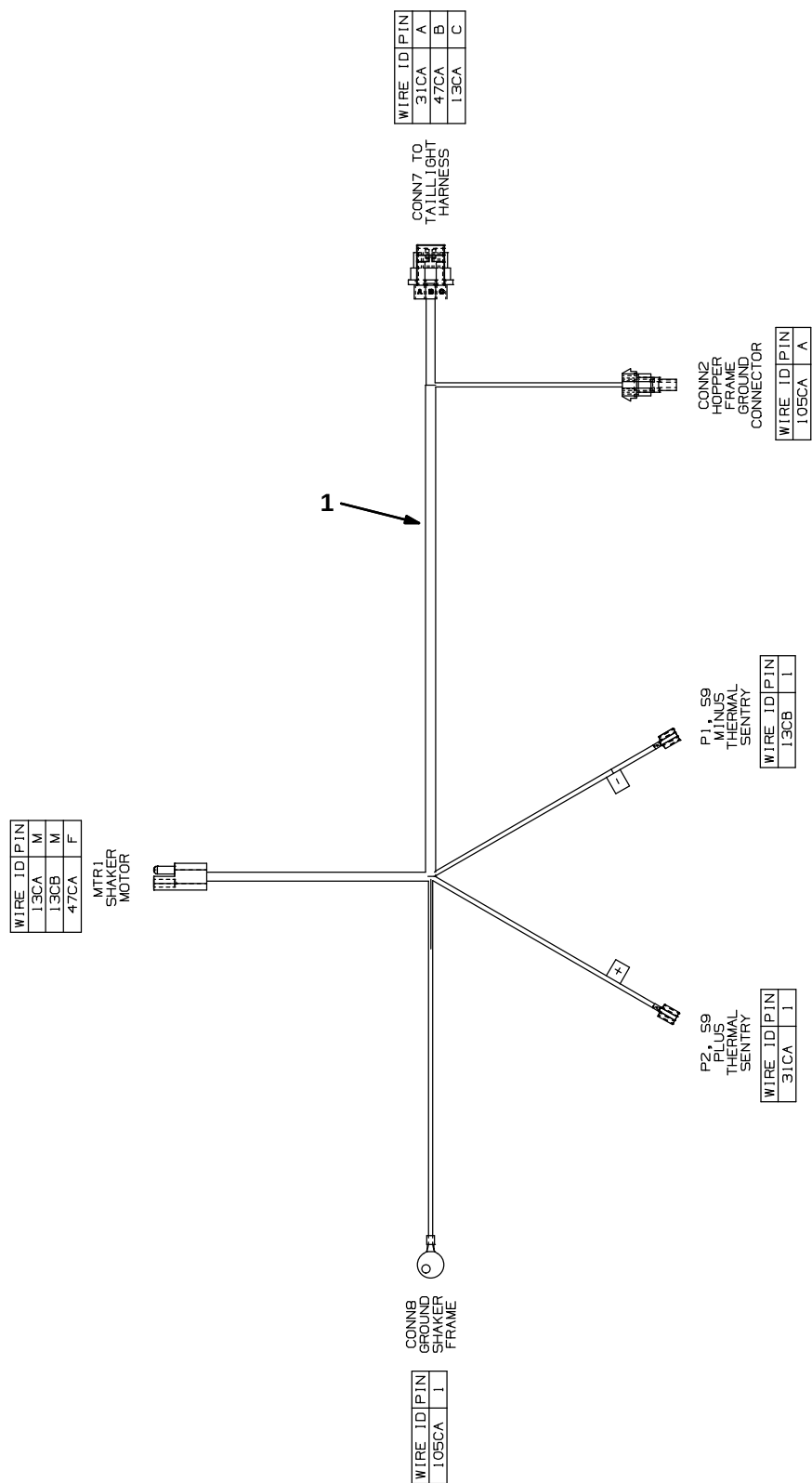
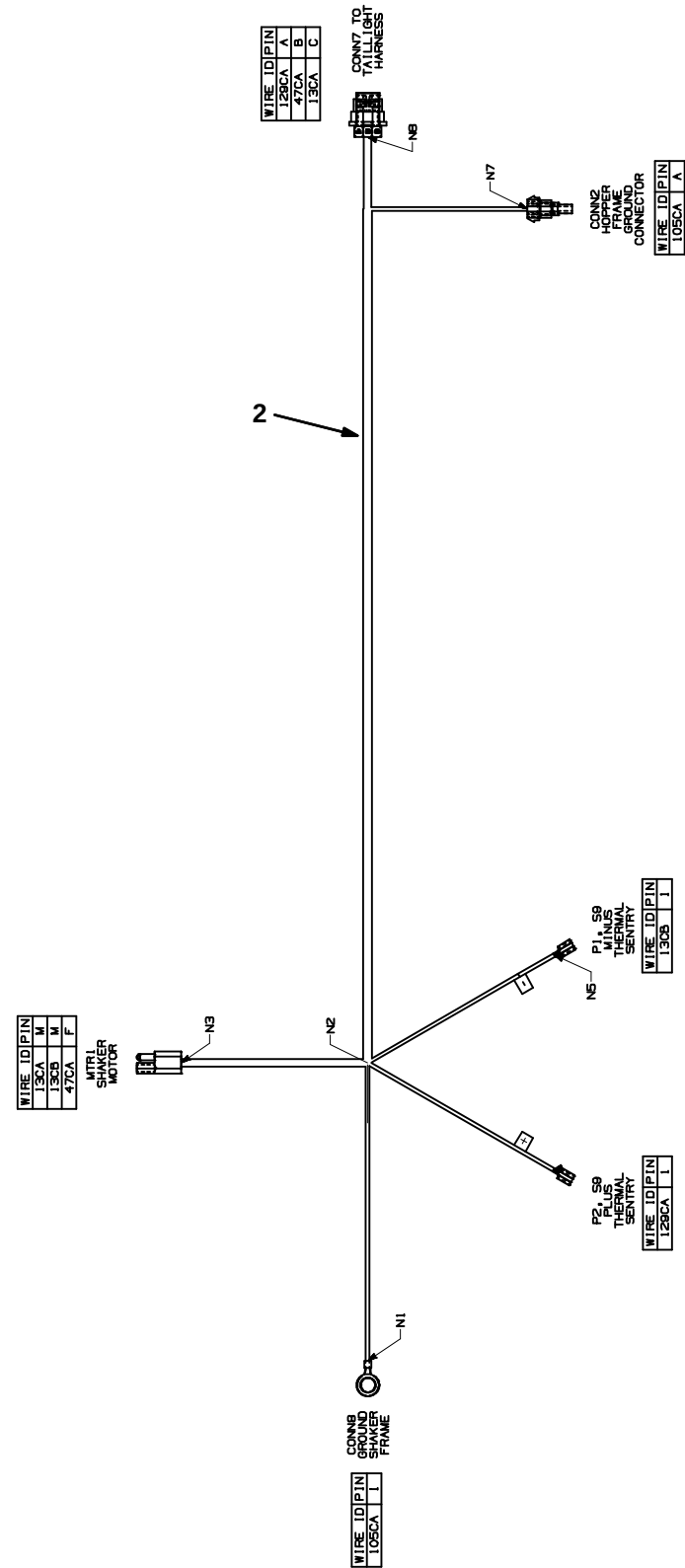


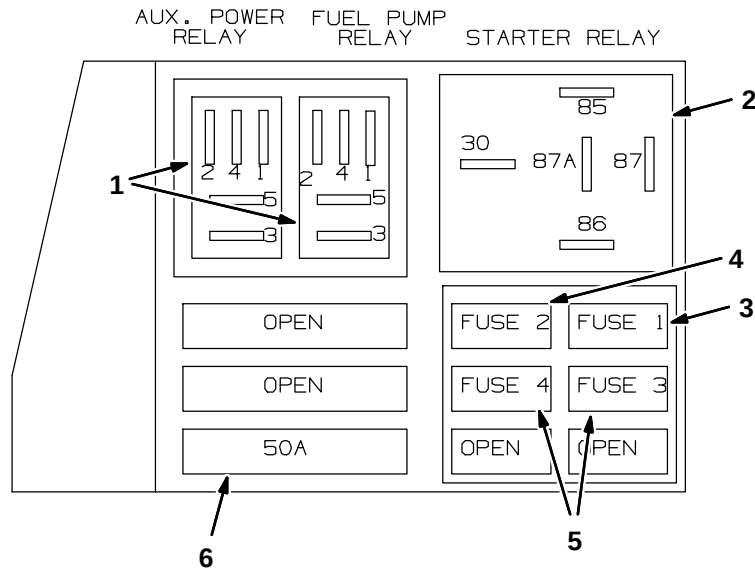
Fig. 85 – Electrical Wire Harness Group, Hopper Cover



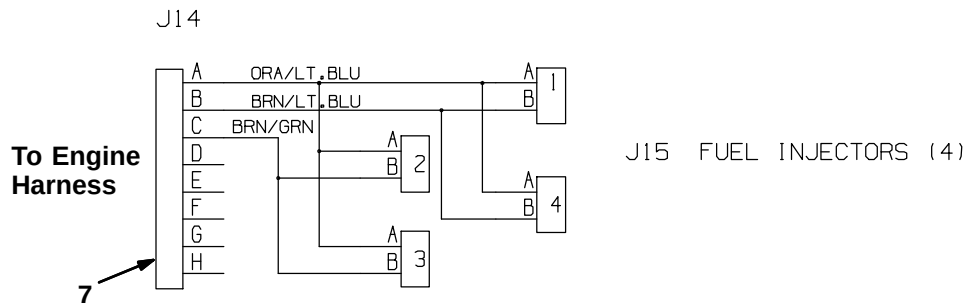
354389-354459

Ref.	Part No.	Serial Number	Description	Qty.
1	1019950	(000000-003478)	Harness, Hppr, Cover [M20]	1
2	1064370	(003479-	Harness, Hppr, Cover [M20]	1

Fig. 86 – Electrical Wire Harness Group, Gasoline/LPG Engine



GAS INJECTOR AUX. HARNESS: E-CONT.



L.P. DUAL SOL. AUX. HARNESS: E-CONT.

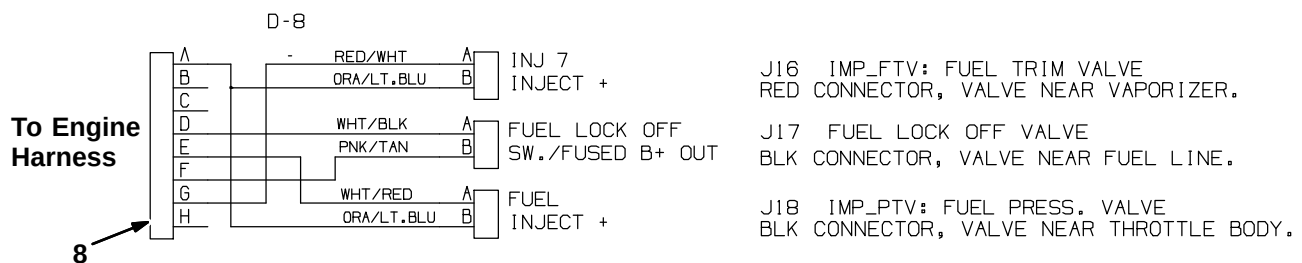


Fig. 86 – Electrical Wire Harness Group, Gasoline/LPG Engine

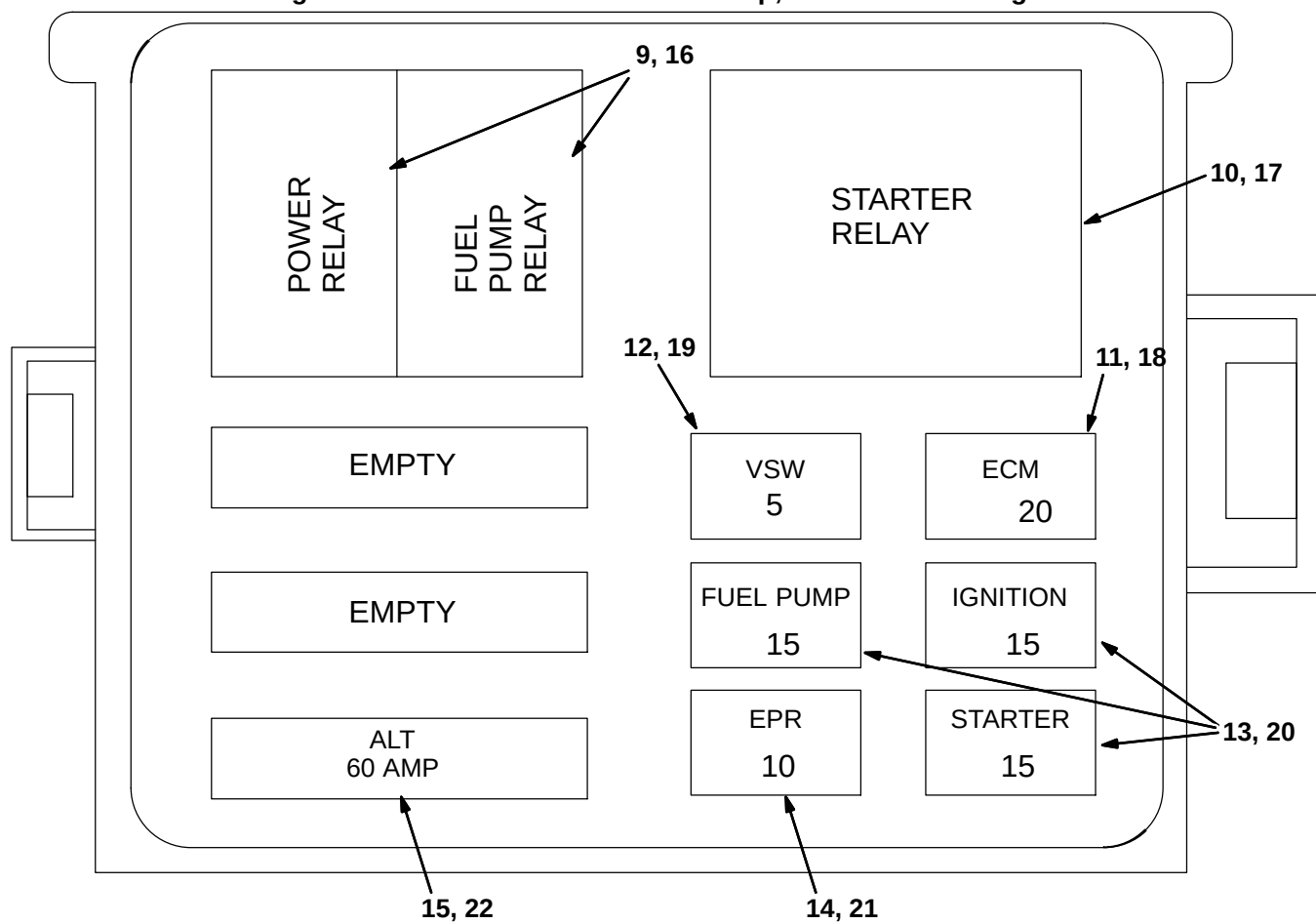
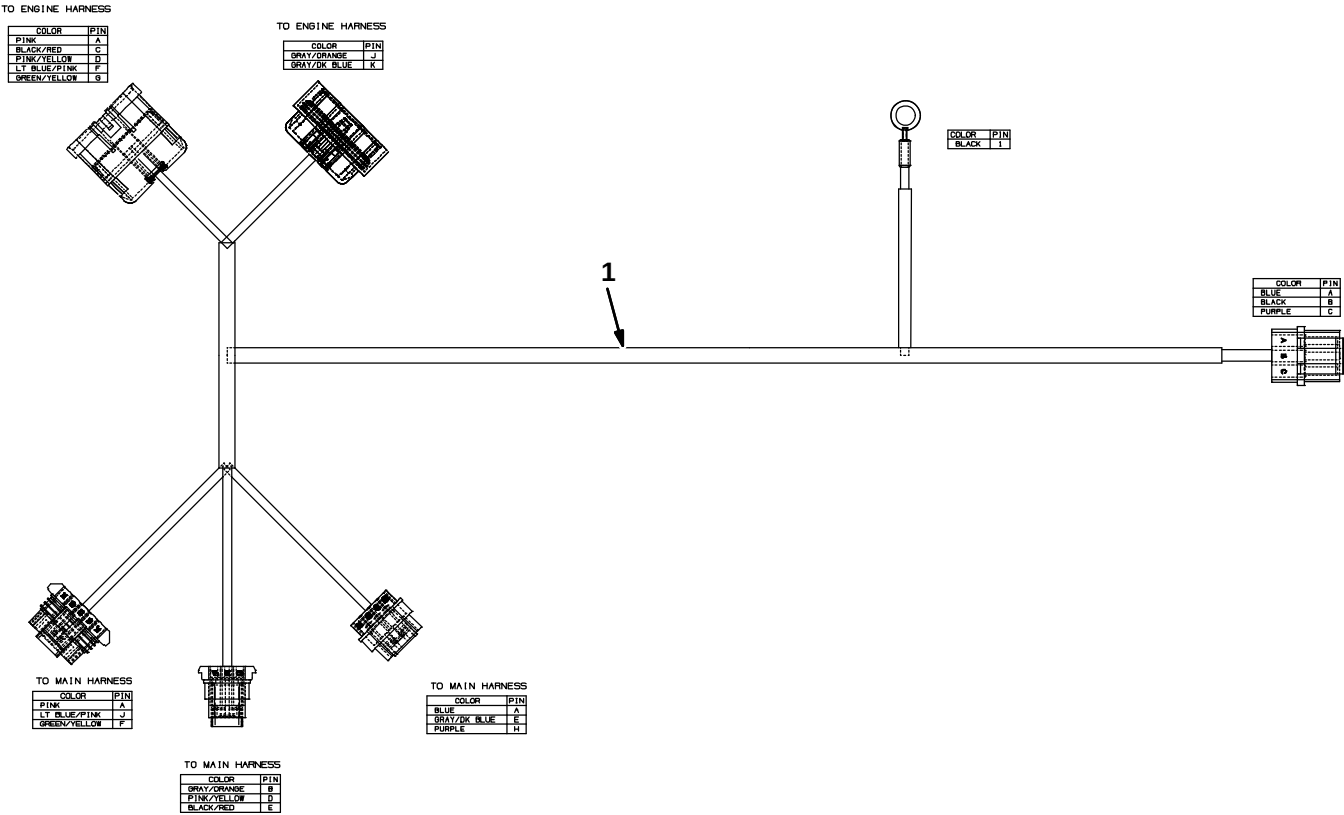


Fig. 82 –Electrical Wire Harness Group, Gasoline/LPG Engine

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1011018	(000000-001999)	Harness, Eng [1.6l, Gm, E-cntrl]	1
▲	1	394916	(000000-001999)	Relay, 12vdc, 20a, Spdt	2
▲	2	57804	(000000-001999)	Relay, 12vdc, 40a, Spdt	1
▲	3	372235	(000000-001999)	Fuse, 5 Amp, [Min-5]	1
▲	4	372237	(000000-001999)	Fuse, 20 Amp, [Min-20]	1
▲	5	372236	(000000-001999)	Fuse, 15 Amp, [Min-15]	2
▲	6	394921	(000000-001999)	Fuse, 50amp	1
	7	1011019	(000000-001999)	Harness, Injector, Gas [1.6l,Gm,E-cntrl]	1
	8	1011020	(000000-001999)	Harness, Injector, Lpg [1.6l,Gm,E-cntrl]	1
▽		384997	(002000-003122)	Harness, Wire, Eng, Gas [Gm 1.6L]	1
▲	9	394916	(002000-003122)	Relay, 12vdc, 20a, Spdt	2
▲	10	57804	(002000-003122)	Relay, 12vdc, 40a, Spdt	1
▲	11	372237	(002000-003122)	Fuse, 20 Amp, [Min-20]	1
▲	12	372235	(002000-003122)	Fuse, 5 Amp, [Min-5]	1
▲	13	372236	(002000-003122)	Fuse, 15 Amp, [Min-15]	2
▲	14	384999	(002000-003122)	Fuse, 10 Amp	1
▲	15	384998	(002000-003122)	Fuse, 60 Amp	1
▽		1063457	(003123-)	Harness, Wire, Eng, Gas [Gm 1.6L 10]	1
▲	9	394916	(003123-)	Relay, 12vdc, 20a, Spdt	2
▲	10	57804	(003123-)	Relay, 12vdc, 40a, Spdt	1
▲	11	372237	(003123-)	Fuse, 20 Amp, [Min-20]	1
▲	12	372235	(003123-)	Fuse, 5 Amp, [Min-5]	1
▲	13	372236	(003123-)	Fuse, 15 Amp, [Min-15]	2
▲	14	384999	(003123-)	Fuse, 10 Amp	1
▲	15	384998	(003123-)	Fuse, 60 Amp	1
▽		384990	(002000-003122)	Harness, Wire, Eng, Lpg [Gm 1.6l]	1
▲	16	394916	(002000-003122)	Relay, 12vdc, 20a, Spdt	2
▲	17	57804	(002000-003122)	Relay, 12vdc, 40a, Spdt	1
▲	18	372237	(002000-003122)	Fuse, 20 Amp, [Min-20]	1
▲	19	372235	(002000-003122)	Fuse, 5 Amp, [Min-5]	1
▲	20	372236	(002000-003122)	Fuse, 15 Amp, [Min-15]	2
▲	21	384999	(002000-003122)	Fuse, 10 Amp	1
▲	22	384998	(002000-003122)	Fuse, 60 Amp	1
▽		1063456	(003123-)	Harness, Wire, Eng, Lpg [Gm 1.6L 10]	1
▲	16	394916	(003123-)	Relay, 12vdc, 20a, Spdt	2
▲	17	57804	(003123-)	Relay, 12vdc, 40a, Spdt	1
▲	18	372237	(003123-)	Fuse, 20 Amp, [Min-20]	1
▲	19	372235	(003123-)	Fuse, 5 Amp, [Min-5]	1
▲	20	372236	(003123-)	Fuse, 15 Amp, [Min-15]	2
▲	21	384999	(003123-)	Fuse, 10 Amp	1
▲	22	384998	(003123-)	Fuse, 60 Amp	1

Fig. 87 – Electrical Wire Harness Group, Gasoline/LPG Engine Adapter Harness



354389-354459

Ref.	Part No.	Serial Number	Description	Qty.
1	1032216	(002000-)	Harness, Adapter, Eng [2007]	1

Fig. 88 – Label Group

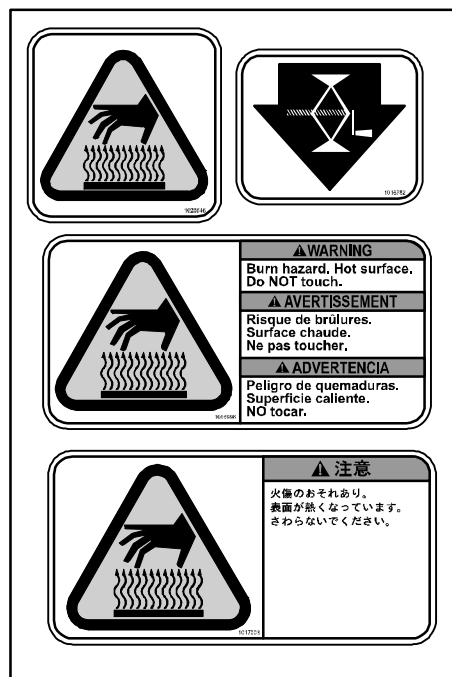
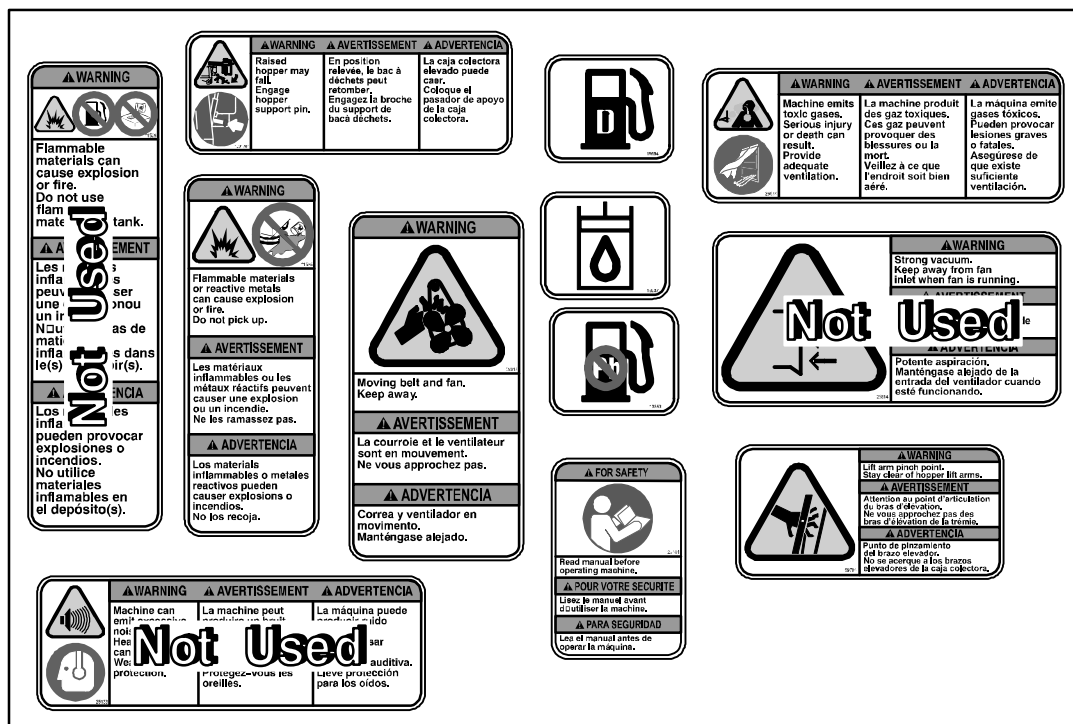
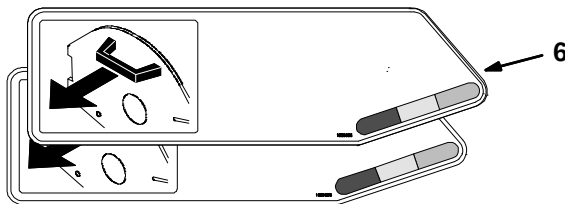
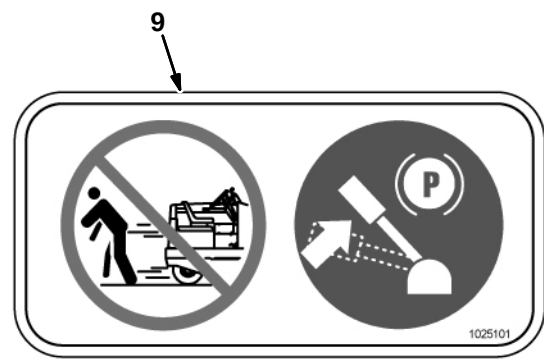
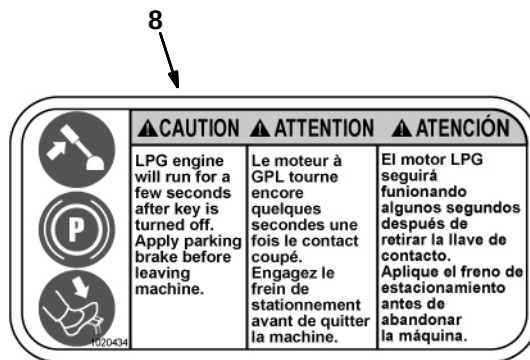
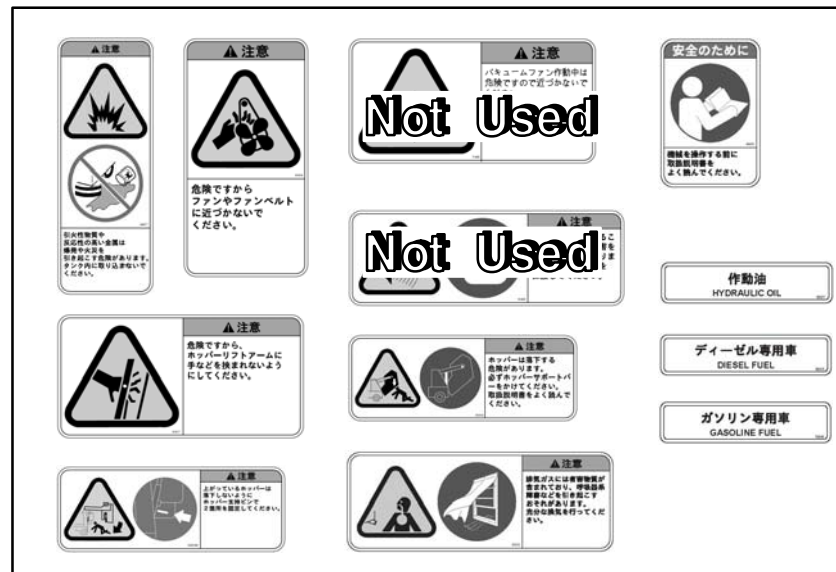


Fig. 88 – Label Group



M20 – G/LP

Ref.	Part No.	Serial Number	Description	Qty.
1	77221	(000000–)	Label Set, Info/Hzrd, Swpr / Scrbr	1
2	1017141	(000000–)	Label Set, Hi Temp	1
3	1065343	(000000–)	Label, Logo, 05.75L 2Color [ES]	3
4	1065342	(000000–)	Label, Logo, 07.95L 2Color [FaST]	3
5	1050003	(000000–)	Label [User, Attention, ec-H2O]	2
6	1031017	(000000–)	Label Set, Brush Indicator & Removal	1
7	1032450	(000000–)	Label Set, Info/Hzrd, Swpr / Scrbr, Tj (Japan Only)	1
8	1020434	(000000–)	Label, Caution [Apply Parking Brake]	1
9	1025101	(000000–)	Label, Caution [Apply Parking Brake] (Japan Only)	1
10	1064662	(000000–)	Label, Model, 2Color [M20]	2
11	1062813	(000000–)	Label, Logo, 12.3L 4Color [ec-H2O]	1
12	1064440	(000000–)	Label, Logo, 16.9L 4Color [ec-H2O]	1

SECTION 3

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Fig. 1 – ES Pump Group

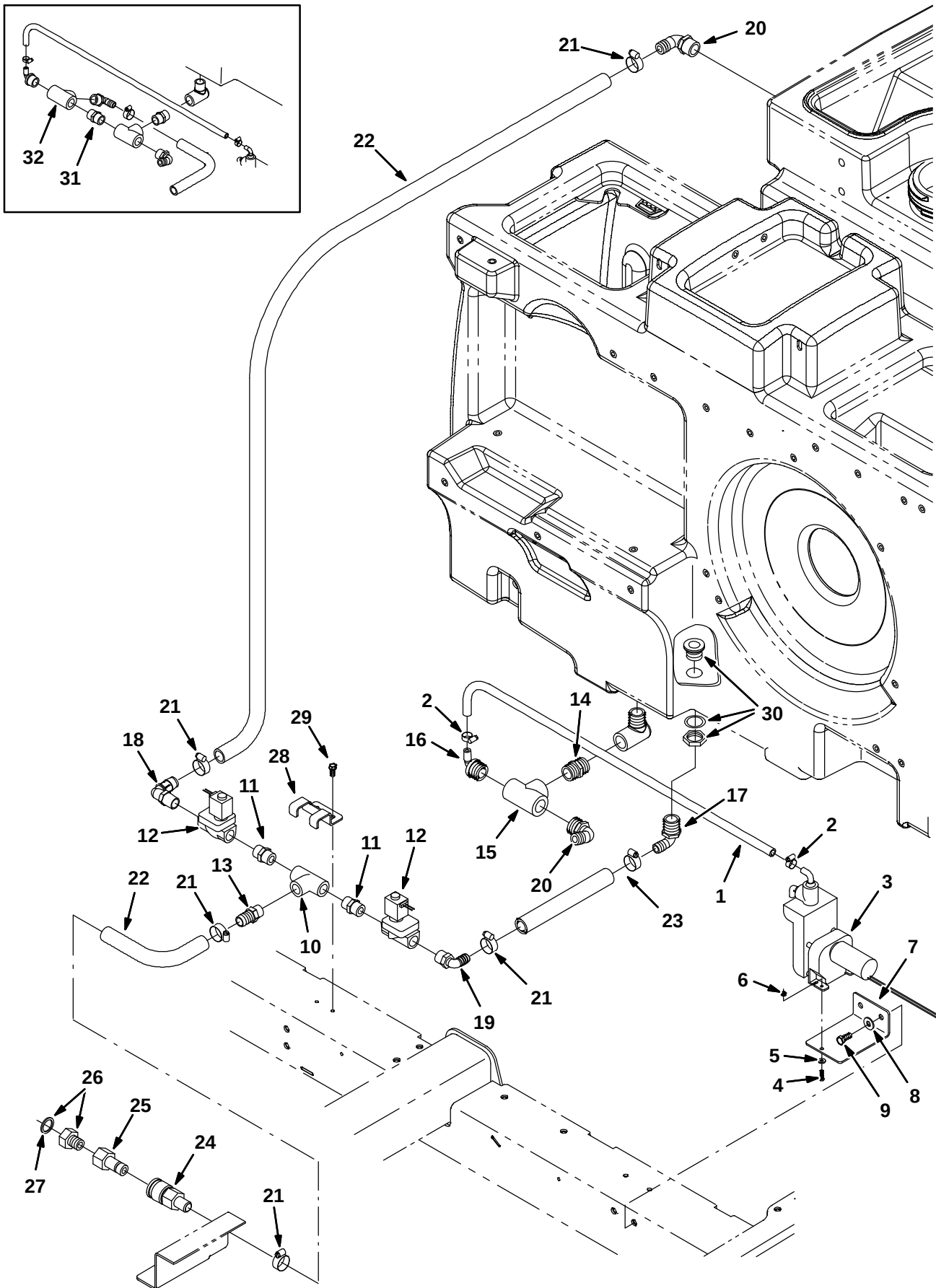


Fig. 1 – ES Pump Group

Ref.	Part No.	Serial Number	Description	Qty.	
1	41295	(000000–	) Hose, Pvc, Clr, 0.38id 0.56od 48.00l	1	
2	43844	(000000–	) Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	2	
3	73260	(000000–	) Pump, Detgt, 14vdc, 150ml/Min 20psi (See Breakdown)	1	
4	24265	(000000–	) Screw, Pan, M4 X 0.7 X 16, Ss	2	
5	01683	(000000–	) Washer, Flat, #10, Ss	2	
6	33932	(000000–	) Nut, Hex, Lock, M4 X 0.7, NI, Ss	2	
7	1021325	(000000–	) Bracket, Mtg, Valve	1	
8	01685	(000000–	) Washer, Flat, 0.31, Ss	2	
9	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	2	
10	79497	(000000–	) Fitting, Plstc, Tee, Pf08/Pf08/Pf08	1	
11	86508	(000000–	) Fitting, Plstc, Str, Pm08/Pm08	2	
12	73433	(000000–	) Valve, Water, Solenoid, 12vdc 0.08pf	2	
13	78398	(000000–	) Fitting, Plstc, Str, Bm12/Pm08, Nyl	1	
14	24544	(000000–	) Fitting, Plstc, Str, Pm12/Pm12 1.60l	1	
15	42133A	(000000–	) Fitting, Plstc, Tee, Pf12/Pf12/Pf12	1	
16	79484	(000000–	) Fitting, Plstc, E90, Bm06/Pm12, Nyl	1	
17	73468	(000000–	) Fitting, Plstc, E90, Bm10/Pm12	1	
18	63244–2	(000000–	) Fitting, Plstc, E90, Bm12/Pm08	1	
19	630371	(000000–	) Fitting, Plstc, E90, Bm10/Pm08	1	
20	14877	(000000–	) Fitting, Plstc, E90, Bm12/Pm12	2	
21	63810	(000000–	) Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	6	
22	1015045	(000000–	) Hose, Afmkt, Pvc, Brd 0.75id 08ft	1	
23	369811	(000000–	) Hose, Pvc, Brd, 0.62id 0.88od 09.00l	1	
24	24105	(000000–	) Fitting, Brs, Qdc, Bm12/Qf08	1	
25	33295	(000000–	) Fitting, Brs, Qdc, Pf08 [Parker Bh3f]	1	
▽	26	375322	(000000–	) Fitting Kit, Hose, Garden	1
▲	27	01316	(000000–	) Washer, Flat, 0.66b 1.00d .12, Rbr	1
	28	1016837	(000000–	) Bracket, Mtg, Valve	1
	29	361339	(000000–	) Screw, Hex, M6 X 1.0 X 16, Fmg	2
	30	377349	(xxxxxx–	) Fitting, Plstc, Pf12/Pf12, Bh	1
	31	24544	(000000–xxxxxx	) Fitting, Plstc, Str, Pm12/Pm12 1.60l	1
	32	42133A	(000000–xxxxxx	) Fitting, Plstc, Tee, Pf12/Pf12/Pf12	1

Fig. 2 – ES Tanks Group

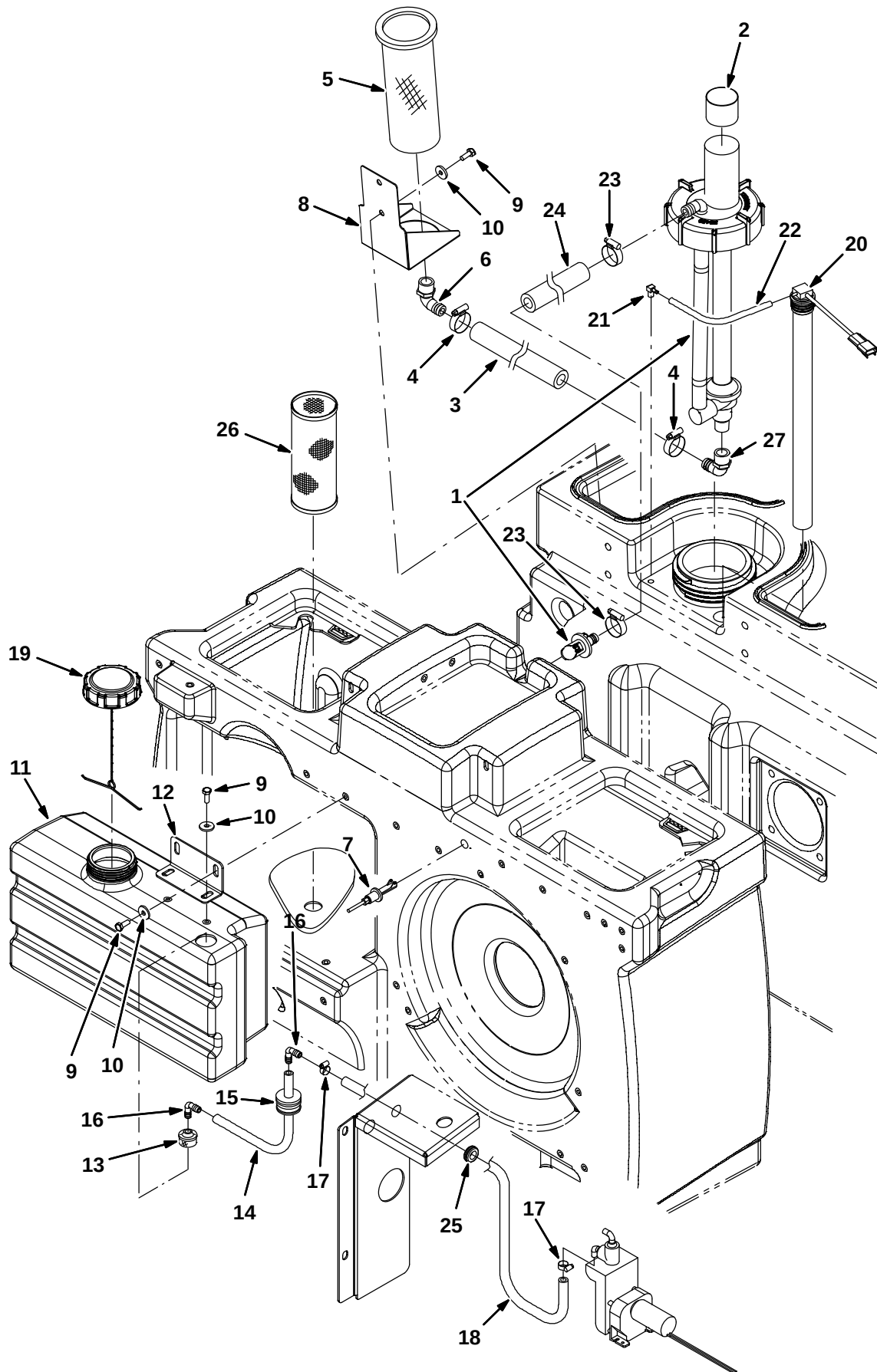


Fig. 2 – ES Tanks Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1021210	(000000–	) Pump Assy, Column, Es (See Breakdown)	1
2	1028697	(000000–	) Sleeve, Rbr, 3.50b 3.58d 1.8l	1
3	1015033	(000000–	) Hose, Afmkt, Pvc, Brd 0.62id 01ft	1
4	63810	(000000–	) Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	2
5	386652	(000000–	) Strainer, Soltn, 20 Mesh, Cyl 3.5d 9.5l	1
6	24543	(000000–	) Fitting, Plstc, E90, Bm12/Pf12	1
7	385685	(000000–	) Sensor, Level, Liq, 14vdc 01a .62–11	1
8	1019636	(000000–	) Bracket, Mtg, Strainer	1
9	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	6
10	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	6
11	1022229	(000000–	) Tank, Detgt, Trimmed	1
12	1025159	(000000–	) Bracket, Mtg, Detgt And Spray Wand	1
13	20952	(000000–	) Screen, Pump	1
14	1014974	(000000–	) Hose, Afmkt, Pvc, Brd 0.38id 02ft	1
15	20944	(000000–	) Grommet, Pye, 0.37id, F/1.5h, .13 Matl	1
16	20951	(000000–	) Fitting, Plstc, E90, Bm06/Bm06	2
17	43844	(000000–	) Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	2
18	41295	(000000–	) Hose, Pvc, Clr, 0.38id 0.56od 48.00l	1
19	1011885	(000000–	) Cap, Tank	1
20	1029497	(000000–	) Switch Assy, Press, 3.0, 19.5l Tube	1
21	32183	(000000–	) Fitting, Brs, E90, Pm02/Bm03	1
22	1031572	(000000–	) Hose, Afmkt, Vacuum, 0.16id, 01ft	1
23	63810	(000000–	) Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	2
24	1015033	(000000–	) Hose, Afmkt, Pvc, Brd 0.62id 01ft	1
25	10632–2	(000000–	) Grommet, Rbr, 0.62id, F/0.9h, .12 Matl	1
26	1039019	(000000–	) Filter, Soltn, 020mesh, Pm12 3.2d 08.0l	1
27	14877	(000000–	) Fitting, Plstc, E90, Bm12/Pm12	1

Fig. 3 – Side Brush Motor Group (000000-003076)

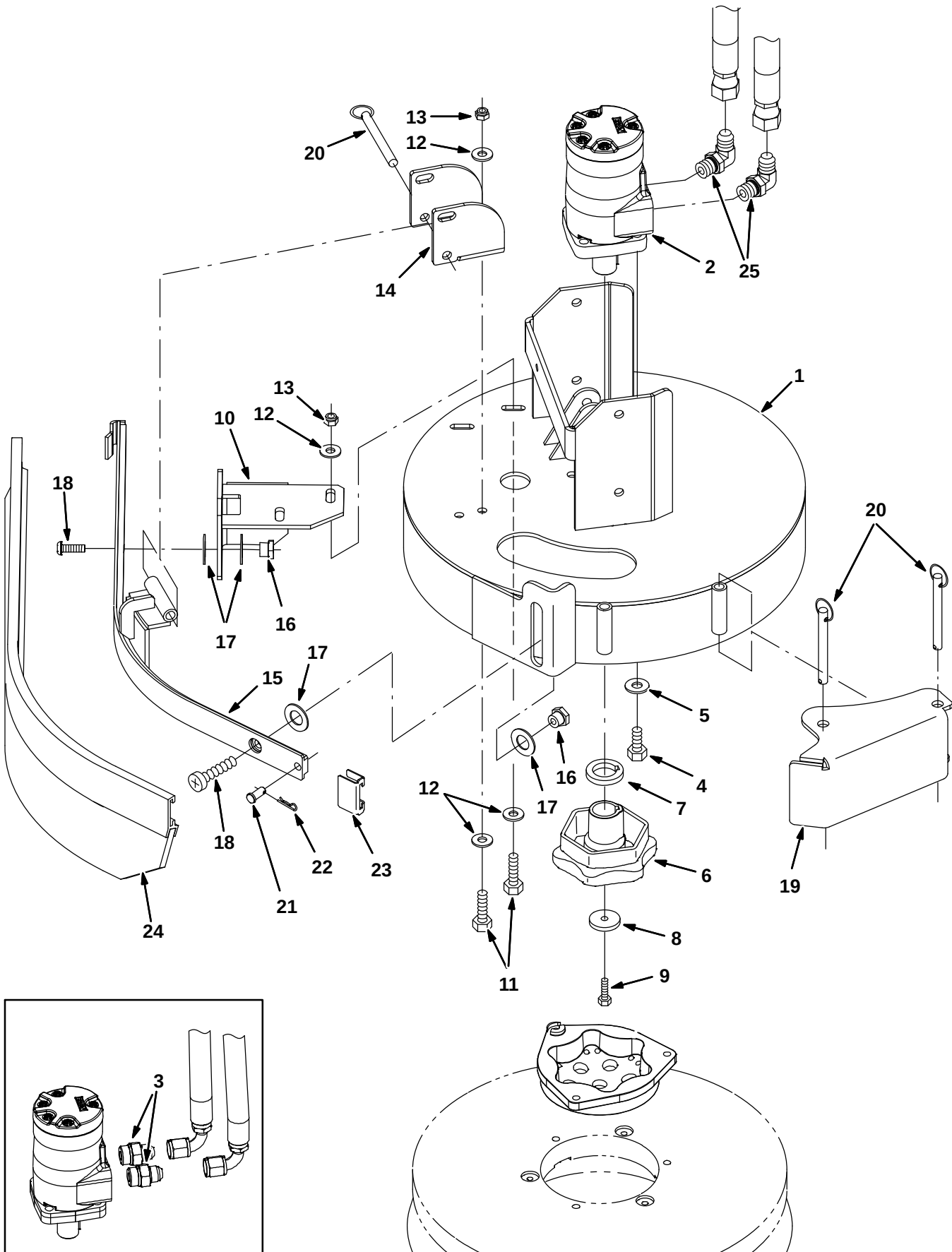


Fig. 3 – Side Brush Motor Group (000000–003076)

Ref.	Part No.	Serial Number	Description	Qty.
1	1021794	(000000–003076)	Bracket Wldt, Mtg, Side Brush	1
2	1029379	(000000–003076)	Motor, Hyd, Gear, Int 08.9 Bi–Dir 2500 (See Breakdown)	1
3	56692	(000000–001337)	Fitting, Hyd, Str, Jm08/Om10	2
4	01762	(000000–003076)	Screw, Hex, .38–16 X 0.75, NI	4
5	32492	(000000–003076)	Washer, Flat, 0.38 Std	4
6	1042968	(000000–003076)	Hub, Drive, Brush, Disk, 1.00b [6t]	1
7	25611	(000000–003076)	Spacer, Hub, Keyed	1
8	19191	(000000–003076)	Spacer	1
9	25046	(000000–003076)	Screw, Hex, .25–20 X 1.00, 5	1
10	1022135	(000000–003076)	Bracket, Mtg, Sqge	1
11	09010	(000000–003076)	Screw, Hex, M8 X 1.25 X 25, Ss	4
12	01685	(000000–003076)	Washer, Flat, 0.31, Ss	8
13	08713	(000000–003076)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	4
14	1022188	(000000–003076)	Bar, Retainer	1
15	1022111	(000000–003076)	Frame Wldt, Sqge, Side Brush	1
16	1022302	(000000–003076)	Nut, T, M8 X 1.25 X 14.5od X 9.5l	2
17	64425	(000000–003076)	Washer, Thrust, 0.61b 1.25d .06, Fgl	4
18	223470	(000000–003076)	Screw, Btn, M8 X 1.25 X 25, Ss	2
19	1022260	(000000–003076)	Bumper Wldt, Brush, Side	1
20	369359	(000000–003076)	Pin, Hitch, .375d X 3.12l, PI	3
21	46800	(000000–003076)	Pin, Clevis, 0.31d X 0.75l	1
22	08179	(000000–003076)	Pin, Cotter, .094 X 1.00	1
23	86759	(000000–003076)	Retainer, Sqge	1
24	1025005	(000000–003076)	Squeegee Assy, Sba, Linatex	1
24	1027716	(000000–003076)	Squeegee Assy, Sba, Ure	1
25	56821	(001338–003076)	Fitting, Hyd, E90, Jm08/Om10	1

Fig. 4 – Side Brush Motor Group (003077–)

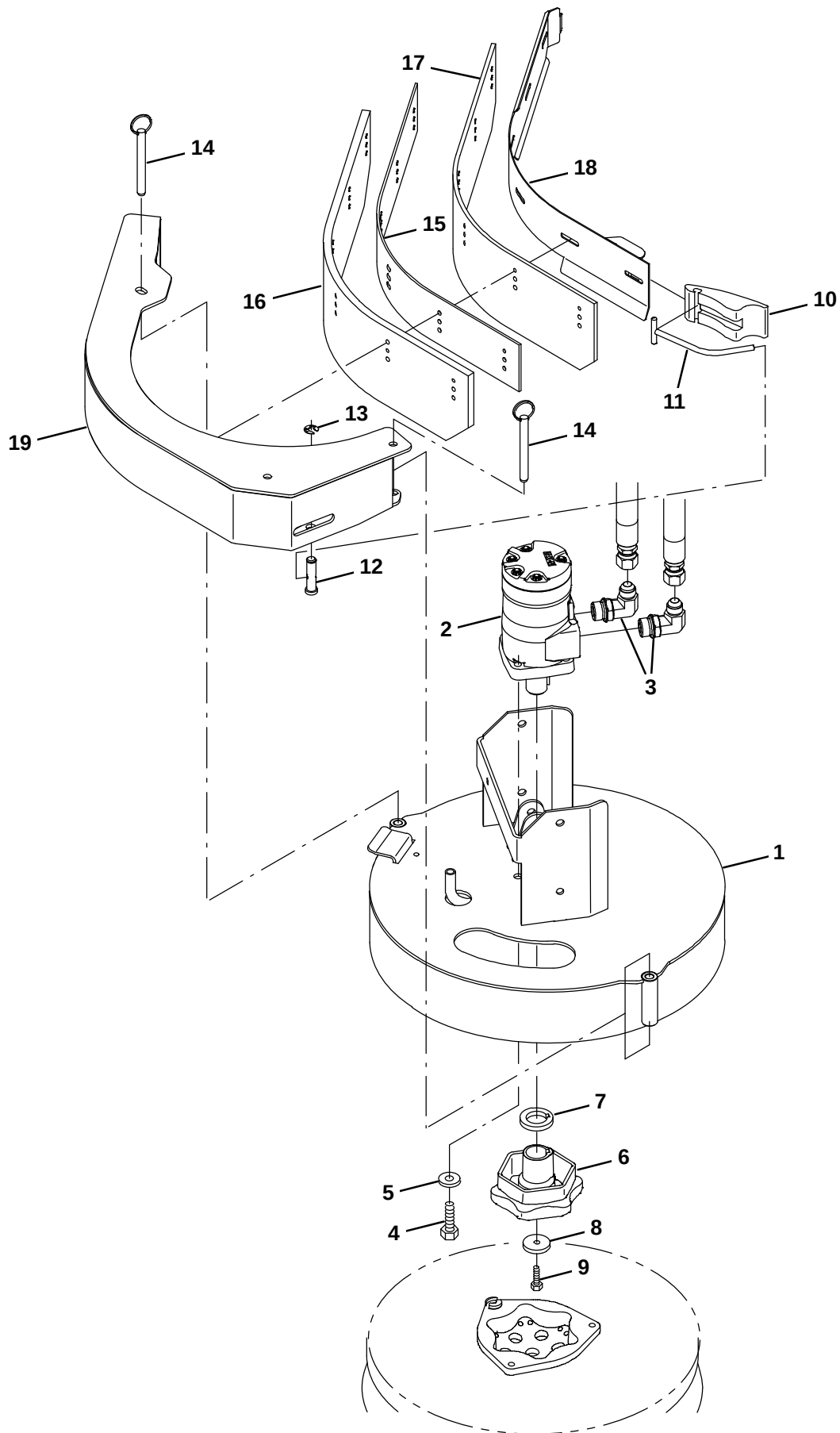


Fig. 4 – Side Brush Motor Group (003077–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1047002	(003077–)	Bracket Wldt, Mtg, Side Brush Fixed	1
2	1029379	(003077–)	Motor, Hyd, Gear, Int 08.9 Bi-Dir 2500 (See Breakdown)	1
3	56821	(003077–)	Fitting, Hyd, E90, Jm08/Om10	2
4	01762	(003077–)	Screw, Hex, .38–16 X 0.75, NI	4
5	32492	(003077–)	Washer, Flat, 0.38 Std	4
6	1042968	(003077–)	Hub, Drive, Brush, Disk, 1.00b [6t]	1
7	25611	(003077–)	Spacer, Hub, Keyed	1
8	19191	(003077–)	Spacer	1
9	25046	(003077–)	Screw, Hex, .25–20 X 1.00, 5	1
10	21601	(003077–)	Cam, Front	1
11	386298	(003077–)	Pin Wldt, Front	1
12	21603	(003077–)	Pin, Grvd, 0.43d 01.8l [303ss]	1
13	24555	(003077–)	Ring, Retaining, Ext, 0.38d, [E-Ring]	1
14	369359	(003077–)	Pin, Hitch, .375d X 3.12l, PI	2
15	1046995	(003077–)	Spacer, Sqge, Side Brush, Rbr	1
16	1046980	(003077–)	Blade, Sqge, Side Brush, Linatex	1
16	1059091	(003077–)	Blade, Sqge, Side Brush, Urethane	1
17	1047238	(003077–)	Blade, Sqge, Side Brush, Linatex	1
17	1059092	(003077–)	Blade, Sqge, Side Brush, Urethane	1
18	1047060	(003077–)	Plate Wldt, Retainer, Sqge	1
19	1046976	(003077–)	Bumper Wldt, Brush, Side	1

Fig. 5 – Side Brush Lift Group

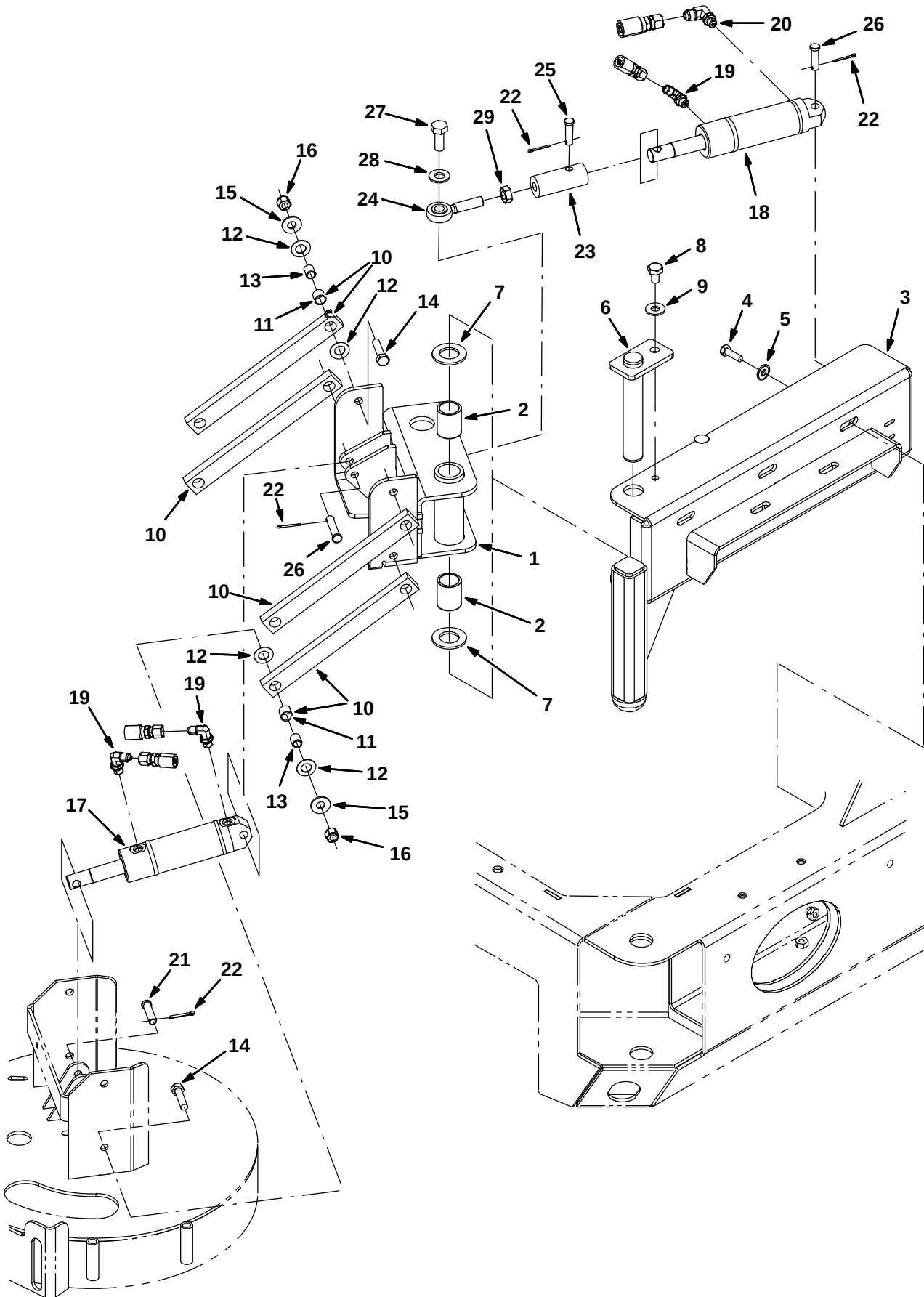


Fig. 5 – Side Brush Lift Group

Ref.	Part No.	Serial Number	Description	Qty.	
1	1021439	(000000–	) Pivot Wldt, Brush, Side	1	
2	71868	(000000–	) Bushing, Sleeve, 1.00b 1.13d 1.50l, Fgl	2	
3	1021473	(000000–	) Channel Wldt, Pivot	1	
4	09010	(000000–	) Screw, Hex, M8 X 1.25 X 25, Ss	5	
5	41186	(000000–	) Washer, Flat, Belleville, .31	5	
6	1021617	(000000–	) Pin Wldt	1	
7	71869	(000000–	) Washer, Thrust, 1.00b 1.75d 0.13w, Fbr	2	
8	16735	(000000–	) Screw, Hex, M8 X 1.25 X 16, 8.8	1	
9	32491	(000000–	) Washer, Flat, 0.31, Std	1	
▽	10	63175–1	(000000–	) Arm, Link	4
▲	11	63233	(000000–	) Bushing, Sleeve, 0.50b 0.59d 0.50l, Bnz	2
12	59633	(000000–	) Bearing, Thrust, 0.53b 1.00d 0.03w	16	
13	1027926	(000000–	) Sleeve, P/M, 0.37b 0.50d 0.6l [430ss]	8	
14	36845	(000000–	) Screw, Hex, .38–16 X 1.50, Ss	8	
15	01685	(000000–	) Washer, Flat, 0.31, Ss	8	
16	59156	(000000–	) Nut, Hex, Lock, .38–16, NI, Ss	8	
17	1038137	(000000–	) Cylinder, Hyd, 1.5b 07.8l 02.80strk 2500	1	
18	1038115	(000000–	) Cylinder, Hyd, 1.5b 07.8l 02.75strk 2500	1	
19	77097	(000000–	) Fitting, Hyd, E90, Jm04/Om04	3	
20	77098	(000000–	) Fitting, Hyd, E90, Jm06/Om04	1	
21	29558	(000000–	) Pin, Clevis, 0.37d X 1.50l	1	
22	08179	(000000–	) Pin, Cotter, .094 X 1.00	4	
23	1021564	(000000–	) Adapter, Rod–End, Side Brush	1	
24	71874	(000000–	) Rod–End, .50–20rh Mal 0.50b	1	
25	29557	(000000–	) Pin, Clevis, 0.37d X 1.31l	1	
26	17461	(000000–	) Pin, Clevis, 0.37d X 1.75l	2	
27	41346	(000000–	) Screw, Hex, M12 X 1.75 X 30, 8.8	1	
28	32486	(000000–	) Washer, Flat, 0.50 Sae	1	
29	48985	(000000–	) Nut, Hex, Jam, .50–20	1	

Fig. 6 – Side Brush Solution Control Group

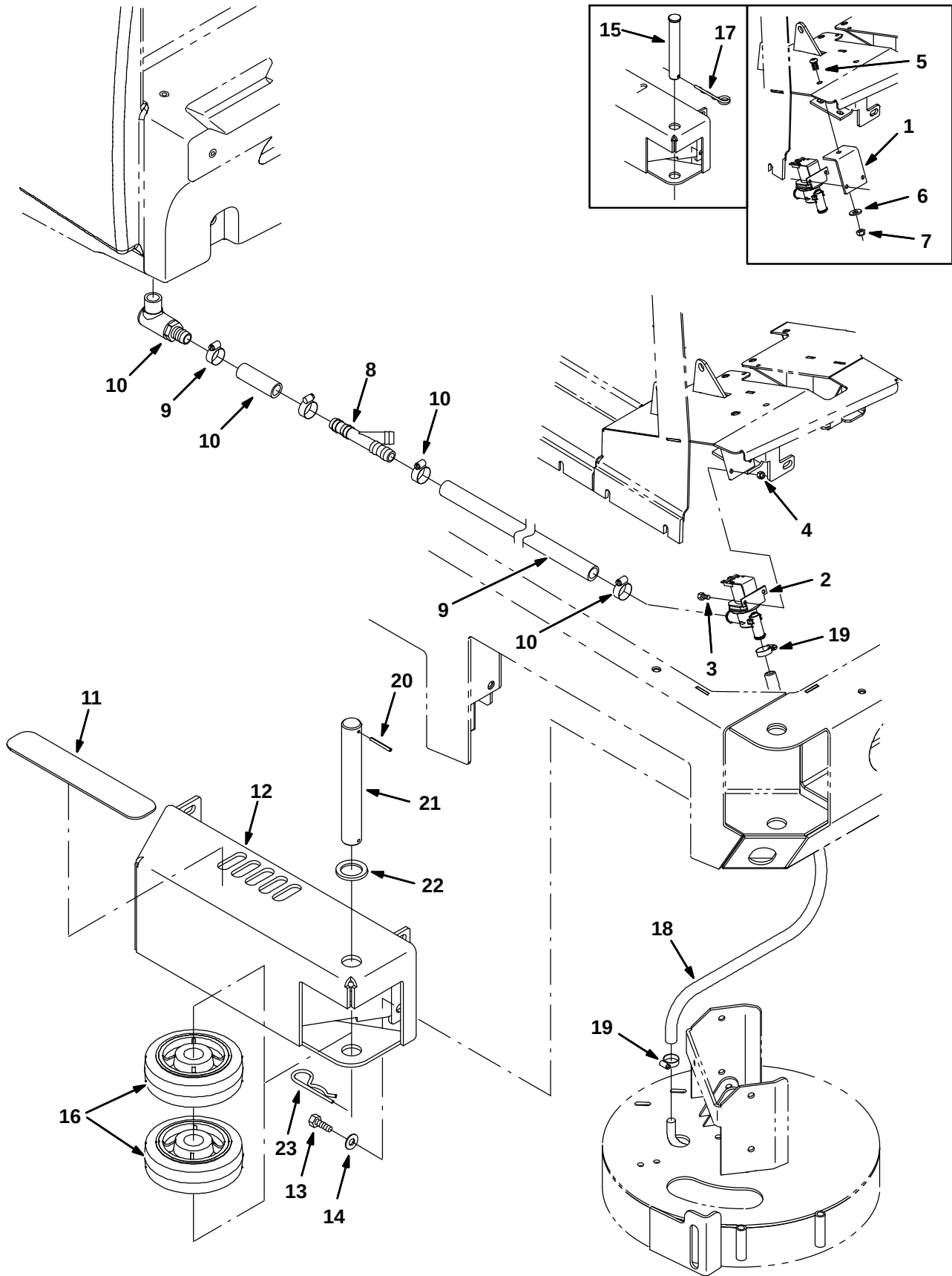


Fig. 6 – Side Brush Solution Control Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1040834	(000000-002241)	Angle, Mtg, Valve	1
2	1022106	(000000-)	Valve Assy, Water, Solenoid, 12vdc	1
3	09738	(000000-)	Screw, Hex, M5 X 0.8 X 12, Ss	2
4	09739	(000000-)	Nut, Hex, Lock, M5 X 0.8, NI, Ss	2
5	17284	(000000-002241)	Screw, Btn, M8 X 1.25 X 16, Ss	1
6	32491	(000000-002241)	Washer, Flat, 0.31, Std	1
7	08713	(000000-002241)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	1
8	393255	(000000-)	Fitting, Plstc, Tee, Bm12/Bm12/Bm12	1
9	1015045	(000000-)	Hose, Afmkt, Pvc, Brd 0.75id 08ft	1
10	63810	(000000-)	Clamp, Hose, Wormdrive, 0.56-1.06d, .56w	4
11	82839	(000000-)	Tread, Non-Skid, 02.2w 11.5l	1
12	1022318	(000000-)	Guard Wldt, Brush, Side	1
13	12317	(000000-)	Screw, Hex, M10 X 1.5 X 30, Ss	4
14	01686	(000000-)	Washer, Flat, 0.44b 1.00d .08, Ss	4
15	9006334	(000000-003062)	Pin Kit, Wheel, Ci [M20/T20/M30]	1
16	1060130	(000000-)	Wheel, 06.0D 2.00W 1.19B, Gray Rbr	2
17	761490	(000000-003062)	Pin, Cotter, Hair, Dbl	1
18	50178	(000000-)	Hose, Pvc, Clr, 0.50id 0.69od 26.00l	1
19	54333	(000000-)	Clamp, Hose, Wormdrive, 0.31-0.88d, .31w	2
20	23146	(003063-)	Pin, Roll, .187d X 1.62l, .187/.192	1
21	1053838	(003063-)	Pin, 30mmd X 215mml	1
22	47719	(003063-)	Washer, Flat, 1.26b 1.88d .13, Stl	1
23	34411	(003063-)	Pin, Cotter, Hair, 1.00d .178 Wir	1

Fig. 7 – Side Brush Hydraulic Valve Group

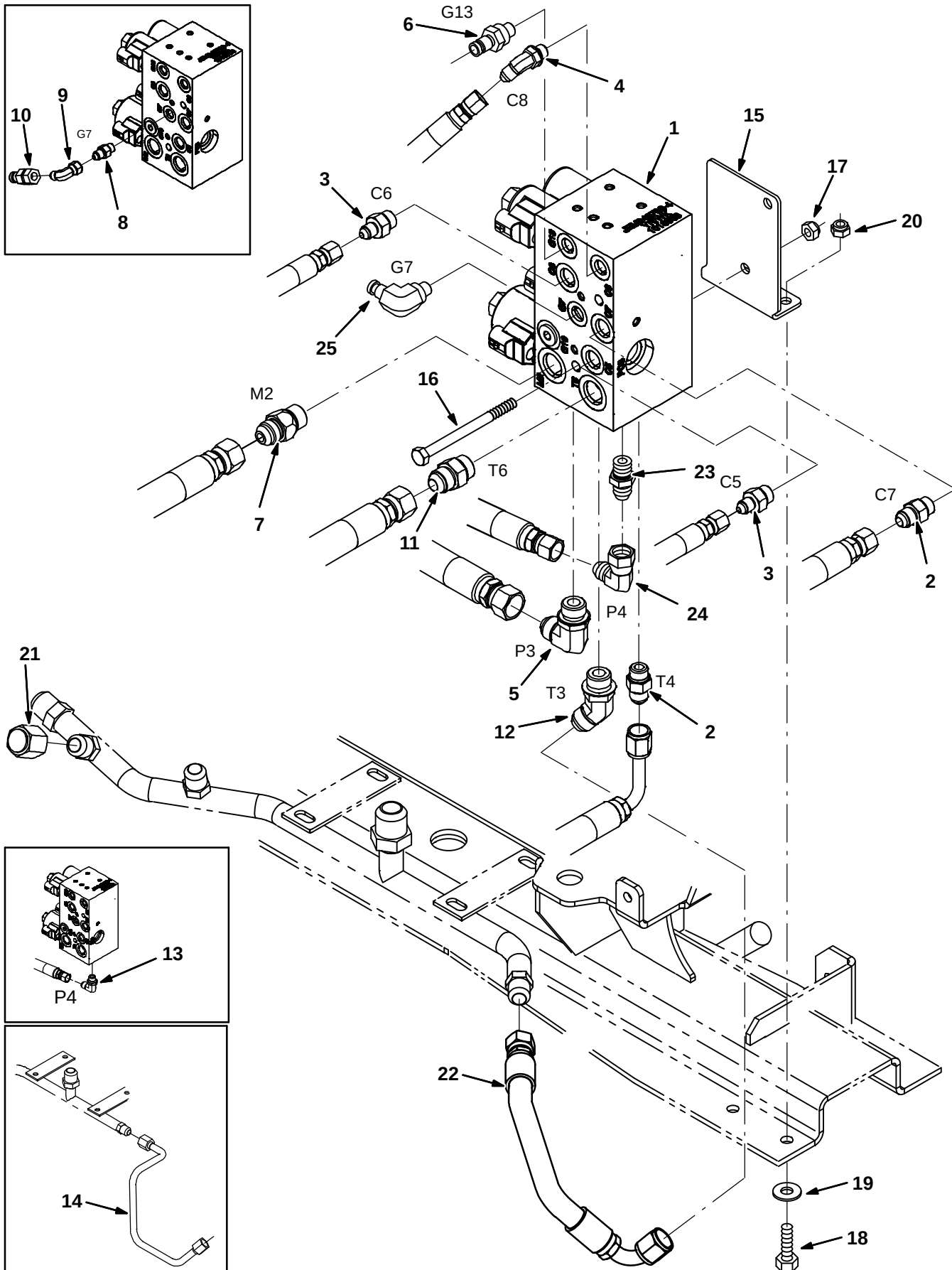


Fig. 7 – Side Brush Hydraulic Valve Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1018938	(000000-002015)	Valve, Cntrl, Hyd [M20 And T20] (See Breakdown)	1
1	1037805	(002016-)	Valve, Hyd, Solenoid 12vdc 3000psi (See Breakdown)	1
2	56690	(000000-)	Fitting, Hyd, Str, Jm06/Om06	2
3	55685	(000000-)	Fitting, Hyd, Str, Jm04/Om06	2
4	34359	(000000-)	Fitting, Hyd, E45, Jm04/Om04	1
5	44868	(000000-)	Fitting, Hyd, E90, Jm08/Om08	1
6	395973	(000000-)	Fitting, Hyd, Str, Om04/Qm04	1
7	1026119	(000000-)	Valve, Hyd, Check, Jm08/Om08 5000psi	1
8	55586	(000000-002951)	Fitting, Hyd, Str, Jm04/Om04	1
9	39210	(000000-002951)	Fitting, Hyd, E90, Jf04/Jm04	1
10	396476	(000000-002951)	Fitting, Hyd, Str, Jf04/Qm04	1
11	44869	(000000-)	Fitting, Hyd, Str, Jm08/Om08	1
12	42226	(000000-)	Fitting, Hyd, E45, Jm08/Om08	1
13	56820	(000000-002015)	Fitting, Hyd, E90, Jm06/Om06	1
14	1025405	(000000-001357)	Tube, Hyd, 08 Jf08/Jf08	1
15	1045272	(000000-)	Bracket, Valve, Sba [M20 And T20]	1
16	364441	(000000-)	Screw, Hex, M8 X 1.25 X 110, Ss	2
17	08709	(000000-)	Nut, Hex, Lock, M8 X 1.25, NI	2
18	09010	(000000-)	Screw, Hex, M8 X 1.25 X 25, Ss	2
19	32491	(000000-)	Washer, Flat, 0.31, Std	2
20	08713	(000000-)	Nut, Hex, Lock, M8 X 1.25, NI, Ss	2
21	60090	(000000-)	Fitting, Hyd, Cap, Jf08	1
22	1037011	(001358-)	Hose, Hyd, Tc08, Jf08str/Jf08e90, 012.0	1
23	56690	(002016-)	Fitting, Hyd, Str, Jm06/Om06	1
24	47504	(002016-)	Fitting, Hyd, E90, Jf06/Jm06	1
25	395974	(002952-)	Fitting, Hyd, E90, Om04/Qm04	1

Fig. 8 – Side Brush Hydraulic Hose Group

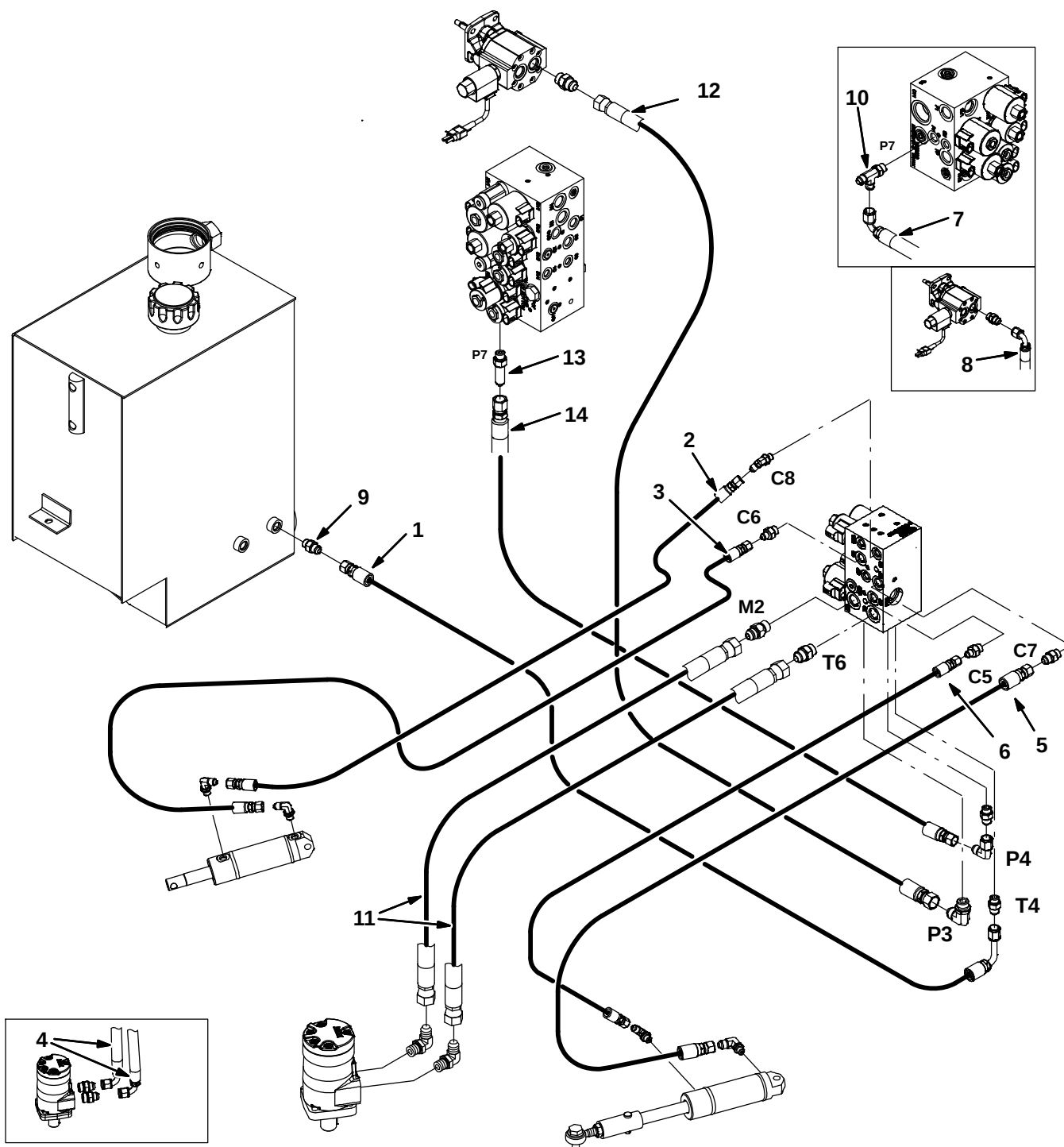


Fig. 8 – Side Brush Hydraulic Hose Group

Ref.	Part No.	Serial Number	Description	Qty.
1	361047	(000000–)	Hose, Hyd, Med06, Jf06e90l/Jf06str,038.0	1
2	1023485	(000000–)	Hose, Hyd, Tc06, Jf06str/Jf06str, 033.0	1
3	1025990	(000000–)	Hose, Hyd, Tc04, Jf04str /Jf04str, 39.0	1
4	1023486	(000000–001337)	Hose, Hyd, Tc08, Jf08e90/Jf08str, 034.0	2
5	1025991	(000000–)	Hose, Hyd, Tc06, Jf06str /Jf06str, 23.0	1
6	1025992	(000000–)	Hose, Hyd, Tc04, Jf04str /Jf04str, 20.0	1
7	1025445	(000000–026999)	Hose, Hyd, Tc06, Jf06str /Jf06e90, 74.0	1
8	365004	(000000–001337)	Hose, Hyd, Tc08, Jf08e90/Jf08str, 056.0	1
9	56690	(000000–)	Fitting, Hyd, Str, Jm06/Om06	1
10	76316	(000000–026999)	Fitting, Hyd, Tee, Jm06/Jm06/Om06, Run	1
11	1036965	(001338–)	Hose, Hyd, Tc08, Jf08str/Jf08str, 034.0	1
12	1036944	(001338–)	Hose, Hyd, Tc08, Jf08str/Jf08str, 056.0	1
13	59577	(027000–)	Fitting, Hyd, Str, Jm06/Om06, Long	1
14	377236	(027000–)	Hose, Hyd, Tc06, Jf06Str/Jf06Str, 062.0	1

Fig. 9 – Fast Solution Pump Group (000000-002532)

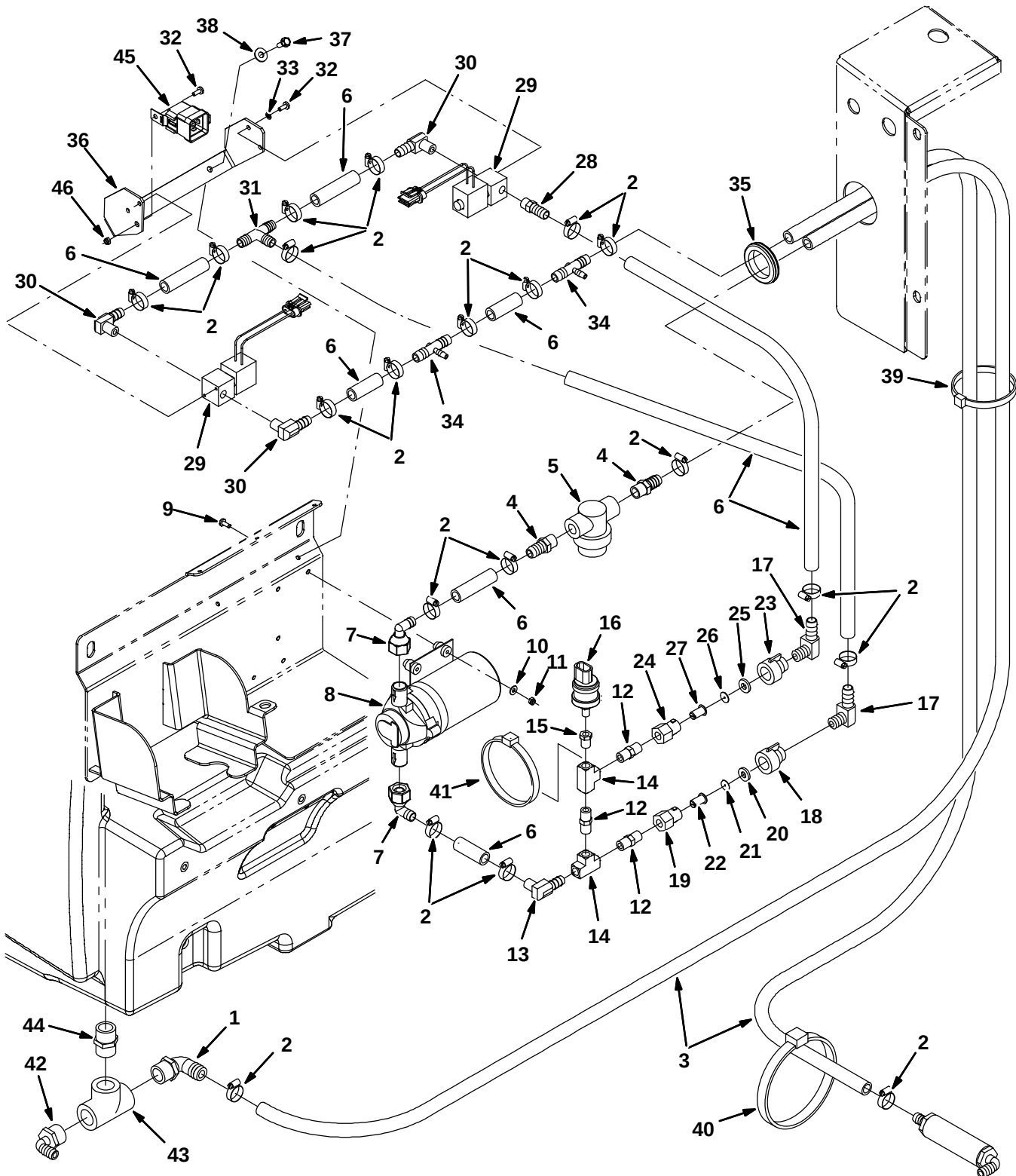


Fig. 9 – Fast Solution Pump Group (000000–002532)

Ref.	Part No.	Serial Number	Description	Qty.
	1	1005552	(000000-002532) Fitting, Plstc, E90, Bm08/Pm12, Nyl	1
	2	54333	(000000-002532) Clamp, Hose, Wormdrive, 0.31-0.88d, .31w	1
	3	1011412	(000000-002532) Hose, Afmkt, Pvc, Brd 0.50id 08ft	1
	4	64743	(000000-002532) Fitting, Plstc, Str, Bm08/Pm06	2
	5	1005302	(000000-002532) Filter, In-Line, Pf06/Pf06, 80 Mesh	1
	6	1006401	(000000-002532) Hose, Afmkt, Pvc, Brd 0.50id 03ft	1
	7	1018499	(000000-002532) Fitting, Plstc, E90, Bm08/Pf08s, Swivel	2
	8	1030878	(000000-002532) Pump, Soltn, Ele, 12vdc [W/O Chk Valve]	1
	9	17185	(000000-002532) Screw, Pan, M5 X 0.8 X 40, Ss	4
	10	01683	(000000-002532) Washer, Flat, #10, Ss	4
	11	09739	(000000-002532) Nut, Hex, Lock, M5 X 0.8, NI, Ss	4
	12	398468	(000000-002532) Fitting, Brs, Str, Pm04/Pm04	3
	13	1010836	(000000-002532) Fitting, Brs, E90, Bm08/Pm04	1
	14	398474	(000000-002532) Fitting, Brs, Tee, Pf04/Pf04/Pf04	2
	15	150100	(000000-002532) Fitting, Brs, Str, Pf02/Pm04	1
	16	1028582	(000000-002532) Switch, Press, 10psi, Spst	1
	17	1010836	(000000-002532) Fitting, Brs, E90, Bm08/Pm04	2
▽		1030864	(000000-002532) Fitting Assy, Orifice, 0.070b, Pf04/Pf04	1
▲	18	1005506	(000000-002532) Fitting, Plstc, Cap, Spray, Pf04	1
▲	19	1005507	(000000-002532) Fitting, Plstc, Body, Spray, Pf04	1
▲	20	1005508	(000000-002532) Washer, Flat, 0.34b 0.75d .12 [Viton]	1
▲	21	1018883	(000000-002532) Plate, Orifice, 0.070id	1
▲	22	1006447	(000000-002532) Vr, Filter, Screen, 50 Mesh .59d .8l Ss	1
▽		1030863	(000000-002532) Fitting Assy, Orifice, 0.093b, Pf04/Pf04	1
▲	23	1005506	(000000-002532) Fitting, Plstc, Cap, Spray, Pf04	1
▲	24	1005507	(000000-002532) Fitting, Plstc, Body, Spray, Pf04	1
▲	25	1005508	(000000-002532) Washer, Flat, 0.34b 0.75d .12 [Viton]	1
▲	26	1018884	(000000-002532) Plate, Orifice, 0.093id	1
▲	27	1006447	(000000-002532) Vr, Filter, Screen, 50 Mesh .59d .8l Ss	1
	28	762249	(000000-002532) Fitting, Brs, Str, Bm08/Pm04	1
	29	1018098	(000000-002532) Valve, Water, 12vdc, 6.0mm, 04pf	2
	30	1010836	(000000-002532) Fitting, Brs, E90, Bm08/Pm04	3
	31	63245-1	(000000-002532) Fitting, Plstc, Tee, Bm08/Bm08/Bm08	1
	32	09200	(000000-002532) Screw, Pan, M5 X 0.8 X 12, Ss	5
	33	07514	(000000-002532) Washer, Lock, Int, #10, Ss	4
	34	1010684	(000000-002532) Fitting, Plstc, Tee, Bm04/Bm08/Bm08, Br	2
	35	10632-19	(000000-002532) Grommet, Rbr, 2.13id, F/2.5h, .12 Matl	1
	36	1026074	(000000-002532) Plate, Hsng [Fast]	1
	37	361339	(000000-002532) Screw, Hex, M6 X 1.0 X 16, Fmg	4
	38	32490	(000000-002532) Washer, Flat, 0.25 Std	4
	39	49266	(000000-002532) Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	1
	40	763116	(000000-002532) Tie, Cable, Nyl, 15.3l . W 4.5 Max D	1
	41	763114	(000000-002532) Tie, Cable, 11.3l, 2.75d Max	1
	42	14877	(000000-002532) Fitting, Plstc, E90, Bm12/Pm12	1
	43	42133A	(000000-002532) Fitting, Plstc, Tee, Pf12/Pf12/Pf12	1
	44	24544	(000000-002532) Fitting, Plstc, Str, Pm12/Pm12 1.60l	1
	45	56186	(000000-002532) Relay, 12vdc, 40a, Spdt N/O	1
	46	09739	(000000-002532) Nut, Hex, Lock, M5 X 0.8, NI, Ss	1

Fig. 10 – Fast Air Pump and Detergent Group (000000–002532)

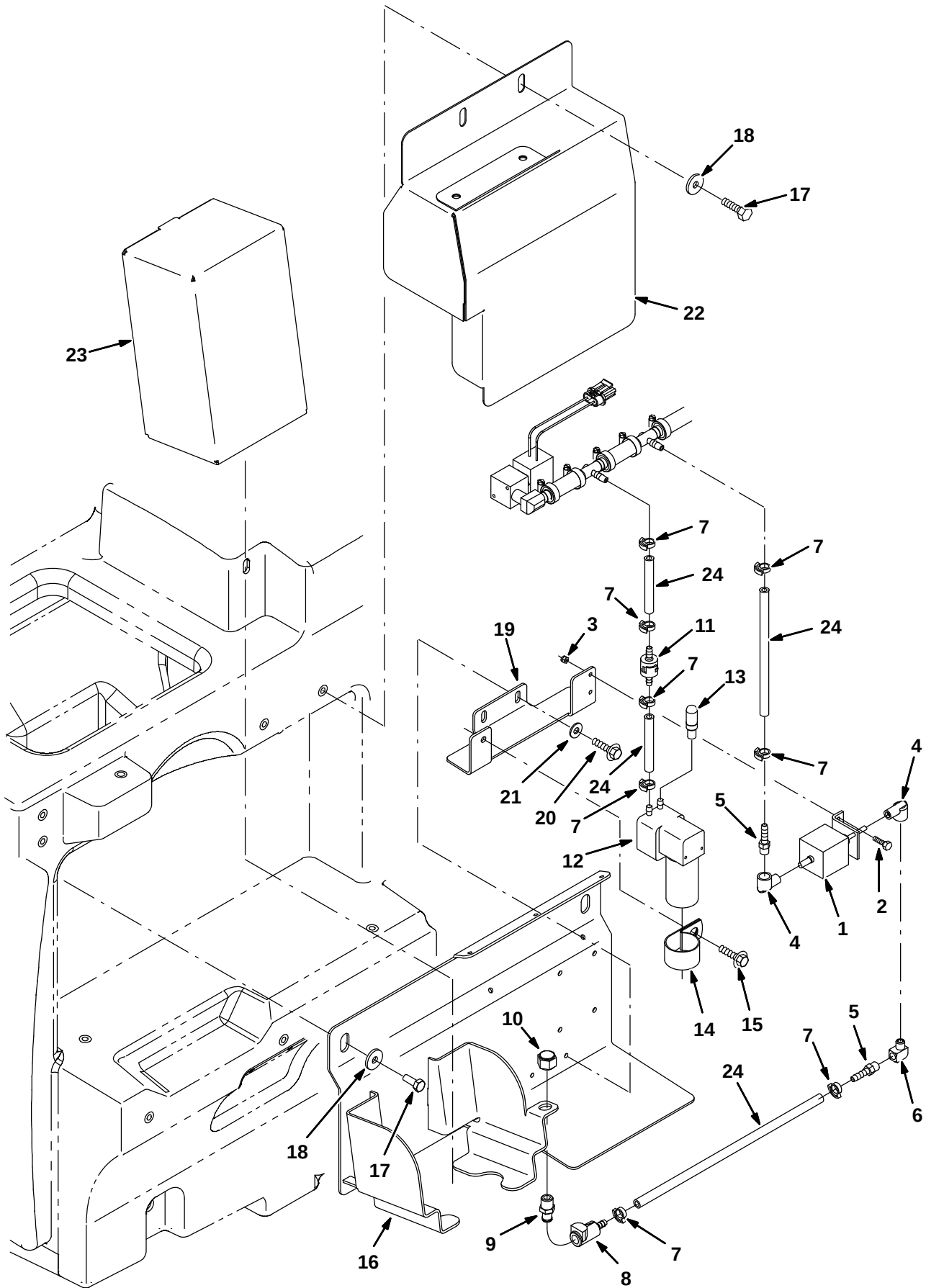


Fig. 10 – Fast Air Pump and Detergent Group (000000–002532)

Ref.	Part No.	Serial Number	Description	Qty.
1	1018097	(000000–002532)	Pump, Detgt, 12vdc	1
2	09206	(000000–002532)	Screw, Hex, M4 X 0.7 X 12, 8.8	2
3	02850	(000000–002532)	Nut, Hex, Lock, M4 X 0.7, NI	2
4	1014082	(000000–002532)	Fitting, Brs, E90, Cf03/Pf02	2
5	150525	(000000–002532)	Fitting, Brs, Str, Bm04/Pm02	2
6	11984	(000000–002532)	Fitting, Pipe, E90, Pf02/Pm02	1
7	1014575	(000000–002532)	Clamp, Hose, Plstc .351–.394 Id	8
8	1002898	(000000–002532)	Fitting, Plstc, Str, Bm04, Cplg, Fem	1
9	1002899	(000000–002532)	Fitting, Plstc, Str, Pm04, Cplg, Mal	1
10	1005435	(000000–002532)	Fitting, Plstc, Pipe, Cap, Pf04	1
11	1013902	(000000–002532)	Valve, Check, 0002psi Bm04/Bm04	1
12	1018780	(000000–002532)	Pump, Air, Ele, 12vdc	1
13	1005255	(000000–002532)	Filter Assy, Air, Mold, Ure	1
14	53466	(000000–002532)	Clamp, Cable, Stl, 1.50d X 1.00w, 1h	1
15	76099	(000000–002532)	Screw, Hex, M8 X 1.25 X 25, Fmg	1
16	1026067	(000000–002532)	Bracket Wldt, Mtg [Fast]	1
17	09740	(000000–002532)	Screw, Hex, M8 X 1.25 X 20, Ss	4
18	1017218	(000000–002532)	Washer, Flat, 0.32b 1.00d .12, Ss	4
19	1029118	(000000–002532)	Bracket, Mtg [Fast]	1
20	361339	(000000–002532)	Screw, Hex, M6 X 1.0 X 16, Fmg	2
21	32490	(000000–002532)	Washer, Flat, 0.25 Std	2
22	1033297	(000000–002532)	Cover Wldt [Fast]	1
23	1021878	(000000–002532)	Detergent Pkg, 4 Liter, Sgl [Tco 665]	1
24	1006415	(000000–002532)	Hose, Afmkt, Pvc, Clr 0.25id 03ft	1

Fig. 11 – Fast Foam Filter Group (000000–002532)

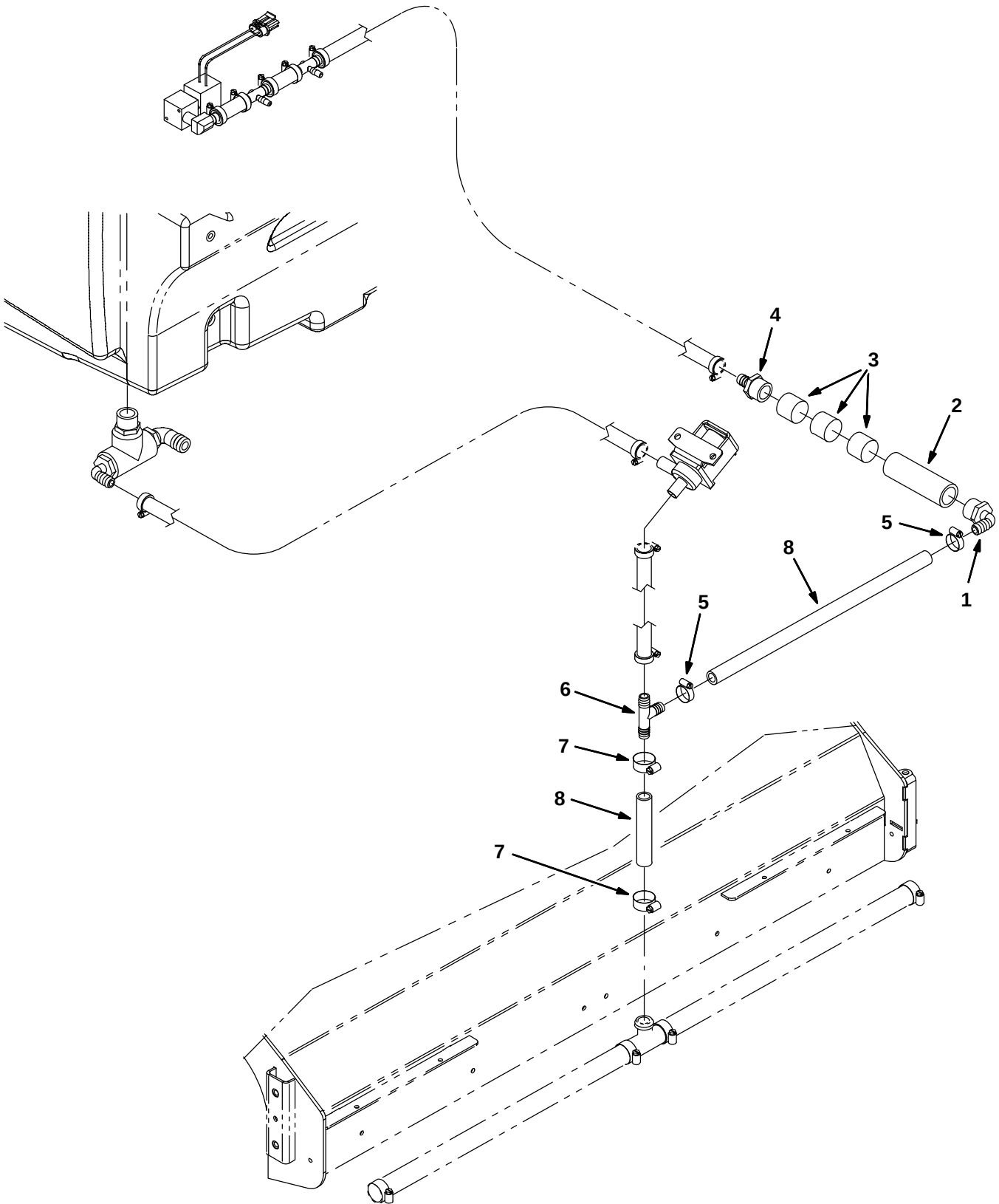


Fig. 11 – Fast Foam Filter Group (000000–002532)

Ref.	Part No.	Serial Number	Description	Qty.
1	1005552	(000000–002532)	Fitting, Plstc, E90, Bm08/Pm12, Nyl	1
2	1005086	(000000–002532)	Tube, Pvc, Clr, 4.0l [Shc80]	1
3	1002789	(000000–002532)	Filter, Foam, Rbr, 1.20d, 1.0l	3
4	79273–1	(000000–002532)	Fitting, Plstc, Str, Bm08/Pm12	1
5	54333	(000000–002532)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
6	385644	(000000–002532)	Fitting, Plstc, Tee, Bm08/Bm12/Bm12, Br	1
7	63810	(000000–002532)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	2
8	1011521	(000000–002532)	Hose, Afmkt, Pvc, Brd 0.50id 02ft	1

Fig. 12 – Fast Foam Filter Group, Side Brush (000000–002532)

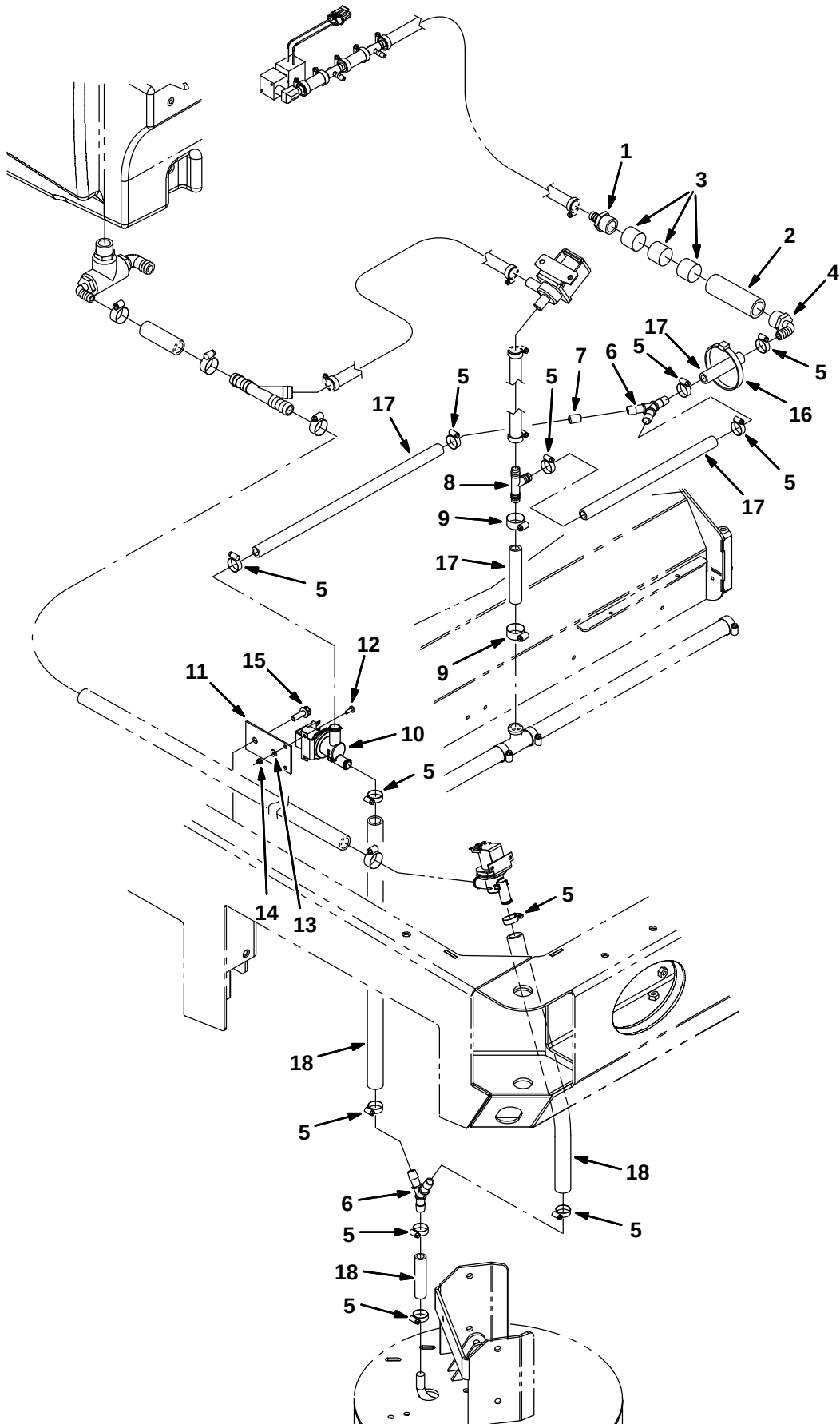


Fig. 12 – Fast Foam Filter Group, Side Brush (000000–002532)

Ref.	Part No.	Serial Number	Description	Qty.
1	79273-1	(000000–002532)	Fitting, Plstc, Str, Bm08/Pm12	1
2	1005086	(000000–002532)	Tube, Pvc, Clr, 4.0l [Shc80]	1
3	1002789	(000000–002532)	Filter, Foam, Rbr, 1.20d, 1.0l	3
4	1005552	(000000–002532)	Fitting, Plstc, E90, Bm08/Pm12, Nyl	1
5	54333	(000000–002532)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	10
6	1010668	(000000–002532)	Fitting, Plstc, Y, Bm08/Bm08/Bm08, Nyl	2
7	1018333	(000000–002532)	Fitting, Plstc, Rst, .50od /.13id	1
8	385644	(000000–002532)	Fitting, Plstc, Tee, Bm08/Bm12/Bm12, Br	1
9	63810	(000000–002532)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	2
10	1037825	(000000–002532)	Valve, Solenoid, 12vdc, Water Flow	1
11	1030511	(000000–002532)	Plate, Mtg, Valve	11
12	09200	(000000–002532)	Screw, Pan, M5 X 0.8 X 12, Ss	2
13	01683	(000000–002532)	Washer, Flat, #10, Ss	2
14	09739	(000000–002532)	Nut, Hex, Lock, M5 X 0.8, NI, Ss	2
15	76099	(000000–002532)	Screw, Hex, M8 X 1.25 X 25, Fmg	1
16	763116	(000000–002532)	Tie, Cable, Nyl, 15.3l . W 4.5 Max D	1
17	1011412	(000000–002532)	Hose, Afmkt, Pvc, Brd 0.50id 08ft	1
18	1015067	(000000–002532)	Hose, Afmkt, Pvc, Clr 0.50id 08ft	1

Fig. 13 – Fast Wire Harness Group (000000-002532)

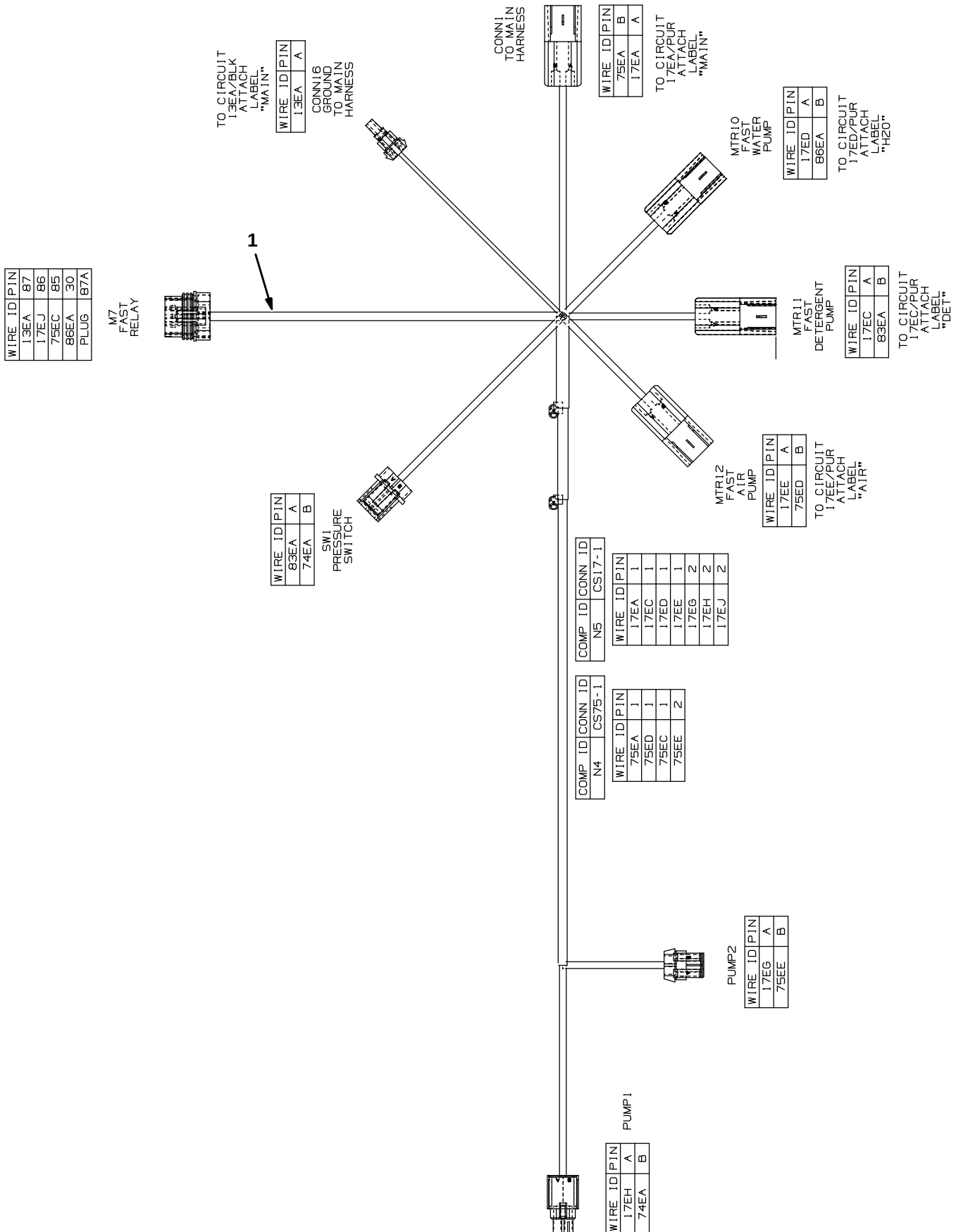


Fig. 13 – Fast Wire Harness Group (000000-002532)

Ref.	Part No.	Serial Number	Description	Qty.
1	1019646	(000000-002532)	Harness [Fast, M20 And T20]	1

Fig. 14 – FaST Pumps and Detergent Group (002533–)

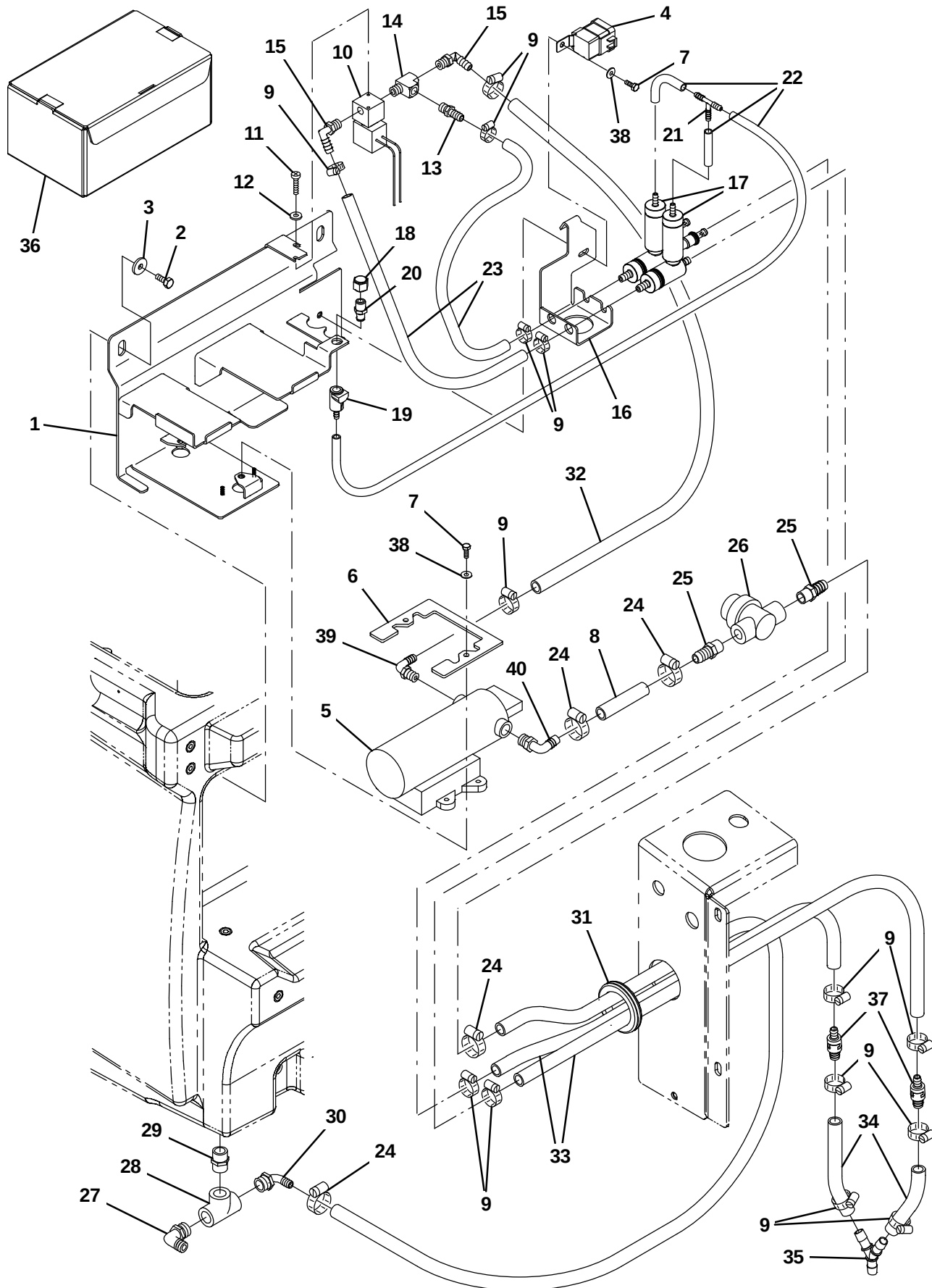


Fig. 14 – FaST Pumps and Detergent Group (002533–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1044342	(002533–)	Bracket Wldt, Mtg [Fast Gen 2+]	1
2	09740	(002533–)	Screw, Hex, M8 X 1.25 X 20, Ss	2
3	1017218	(002533–)	Washer, Flat, 0.32b 1.00d .12, Ss	2
4	56186	(002533–)	Relay, 12vdc, 040a, Spdt No	1
5	1036801	(002533–)	Pump, Soltn, 13.7vdc, 65psi [Fast li+]	1
6	1039357	(002533–)	Bracket, Retainer, Pump	1
7	15678	(002533–)	Screw, Hex, M6 X 1.00 X 16, Ss	3
8	1011403	(002533–)	Hose, Afmkt, Pvc, Brd, 0.50id, 01Ft, Clr	1
9	43844	(002533–)	Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	14
10	1018098	(002533–)	Valve, Water, Solenoid, 12vdc 6.0mm Pf04	1
11	09200	(002533–)	Screw, Pan, Phl, M5 X 0.80 X 12, Ss	2
12	01683	(002533–)	Washer, Flat, 10, Ss	2
13	150540	(002533–)	Fitting, Plstc, Str, Bm06/Pm04	1
14	24929	(002533–)	Fitting, Brs, Tee, Pm04/Pf04/Pf04, Run	1
15	57248	(002533–)	Fitting, Plstc, E90, Bm06/Pm04, Nyl	2
16	1044343	(002533–)	Bracket, Mtg [Fast Gen 2+]	1
17	9004515	(002533–)	Fast Kit, Injector, Ci[M20/M30 FaST II+]	2
18	1005435	(002533–)	Fitting, Plstc, Pipe, Cap, Pf04	1
19	1002898	(002533–)	Fitting, Plstc, Str, Bm04, Cplg, Fem	1
20	1002899	(002533–)	Fitting, Plstc, Str, Pm04, Cplg, Mal	2
21	150713	(002533–)	Fitting, Plstc, Tee, Bm04/Bm04/Bm04	1
22	1014986	(002533–)	Hose, Afmkt, Pvc, Clr, 0.25id, 02ft	1
23	1006416	(002533–)	Hose, Afmkt, Pvc, Clr, 0.38id, 03ft	1
24	54333	(002533–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	8
25	150538	(002533–)	Fitting, Plstc, Str, Bm06/Pm06	2
26	1005302	(002533–)	Filter, In-Line, Pf06/Pf06 080mesh 02.6l	1
27	14877	(002533–)	Fitting, Plstc, E90, Bm12/Pm12	1
28	42133A	(002533–)	Fitting, Plstc, Tee, Pf12/Pf12/Pf12	1
29	24544	(002533–)	Fitting, Plstc, Str, Pm12/Pm12 1.60l	1
30	1005552	(002533–)	Fitting, Plstc, E90, Bm08/Pm12, Nyl	1
31	10632–19	(002533–)	Grommet, Rbr, 2.13id, F/2.5h, .12 Matl	1
32	1006400	(002533–)	Hose, Afmkt, Pvc, Brd, 0.38id, 03ft, Clr	1
33	1024237	(002533–)	Hose, Afmkt, Pvc, Wir, 0.50id, 03ft, Clr	1
34	1014929	(002533–)	Hose, Afmkt, Pvc, Clr, 0.38id, 01ft	1
35	1010668	(002533–)	Fitting, Plstc, Y, Bm08/Bm08/Bm08, Nyl	1
36	1021878	(002533–)	Fast 665 4 Ltr, Detergent	1
37	1035794	(002533–)	Valve, Check, 0005psi Bm06/Bm08	2
38	01684	(002533–)	Washer, Flat, 0.27B 0.69D .05, Ss	3
39	1049254	(002533–)	Fitting, Nyl, Qdc, E90, Bm08/ Qm10	1
40	1049259	(002533–)	Fitting, NylY, Qdc, E90, Bm06/ Qm10	1

Fig. 15 – FaST Solution Supply Group (002533–)

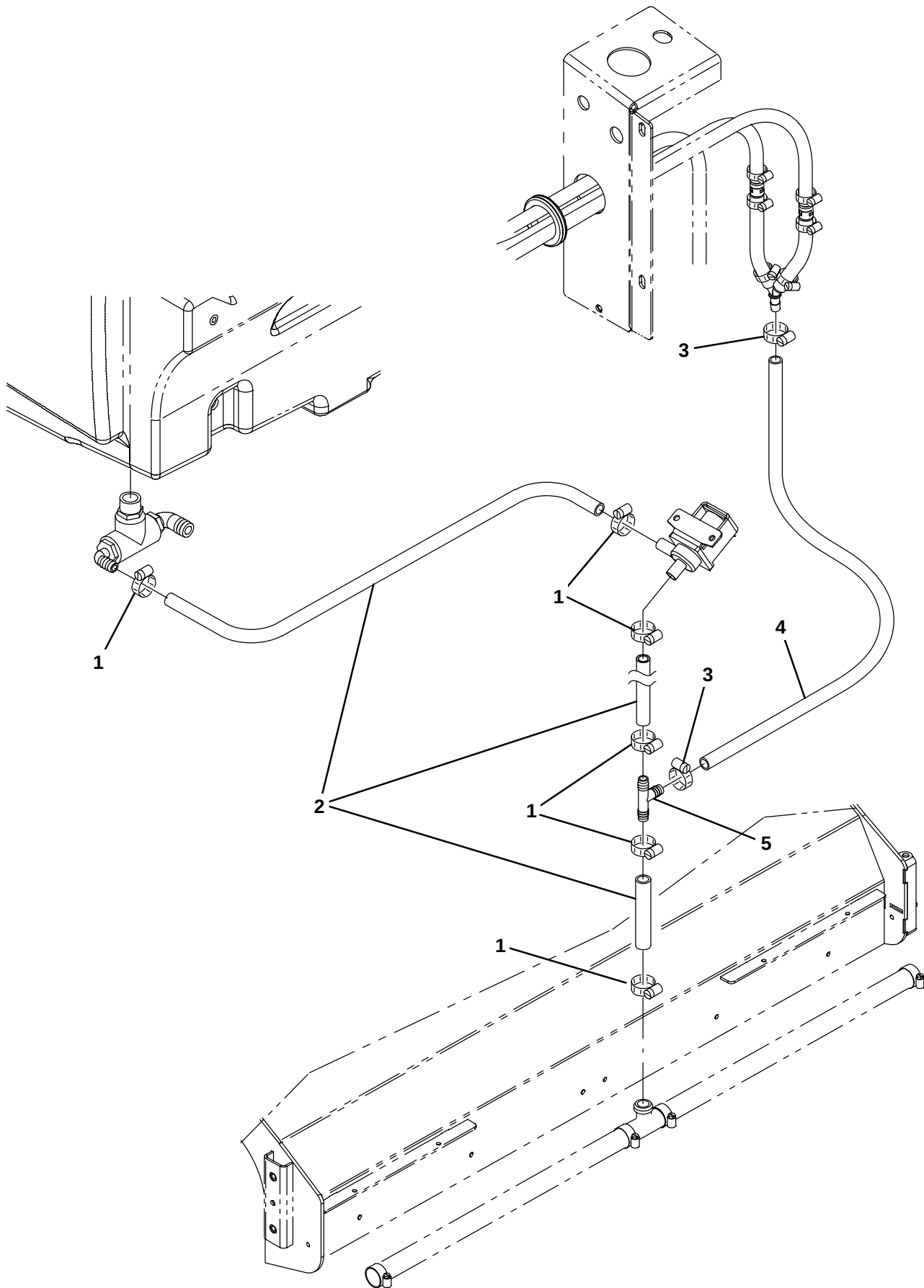


Fig. 15 – FaST Solution Supply Group (002533–)

Ref.	Part No.	Serial Number	Description	Qty.
1	63810	(002533–)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	6
2	1015045	(002533–)	Hose, Afmkt, Pvc, Brd, 0.75id, 08ft, Clr	1
3	54333	(002533–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
4	1011412	(002533–)	Hose, Afmkt, Pvc, Brd, 0.50id, 08ft, Clr	1
5	385644	(002533–)	Fitting, Plstc, Tee, Bm08/Bm12/Bm12, Br	1

Fig. 16 – FaST Solution Supply Group with Side Brush (002533-)

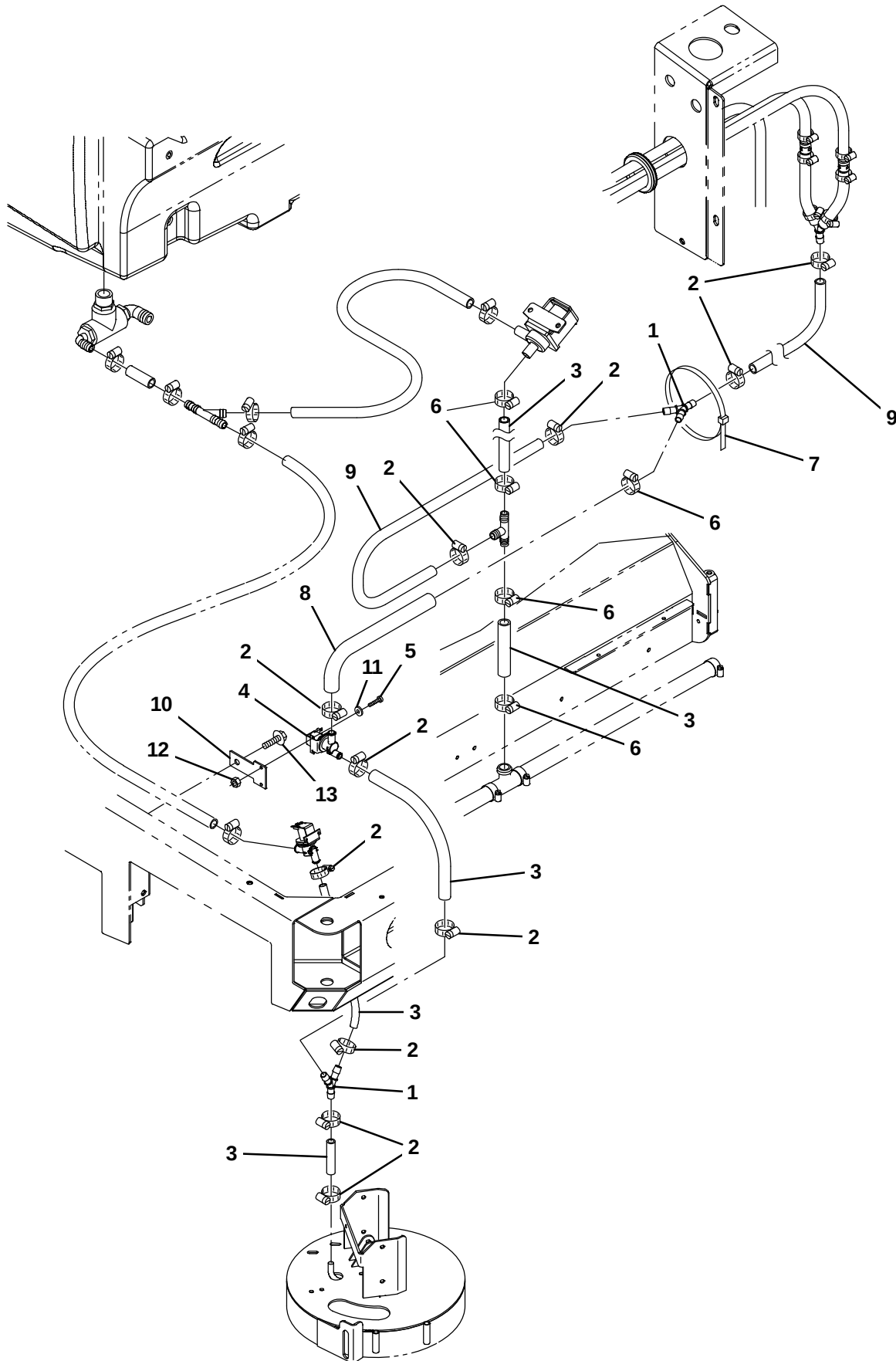


Fig. 16 – FaST Solution Supply Group with Side Brush (002533–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1010668	(002533–)	Fitting, Plstc, Y, Bm08/Bm08/Bm08, Nyl	2
2	54333	(002533–)	Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	11
3	1015067	(002533–)	Hose, Afmkt, Pvc, Clr, 0.50id, 08ft	1
4	1037825	(002533–)	Valve, Solenoid, 12vdc, Water Flow	1
5	09200	(002533–)	Screw, Pan, Phl, M5 X 0.80 X 12, Ss	2
6	63810	(002533–)	Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	5
7	763116	(002533–)	Tie, Cable, Nyl, 15.3l . W 4.5 Max D	1
8	31543	(002533–)	Hose, Heater, E90, 0.62id, 24.0 4.0	1
9	1011412	(002533–)	Hose, Afmkt, Pvc, Brd, 0.50id, 08ft, Clr	1
10	1030511	(002533–)	Plate, Mtg, Valve	1
11	01683	(002533–)	Washer, Flat, 10, Ss	2
12	09739	(002533–)	Nut, Hex, Lock, M5 X 0.80, NI, Ss	2
13	76099	(002533–)	Screw, Hex, M8 X 1.25 X 25, Fmg	1

Fig. 17 – Fast Wire Harness Group (002533–)

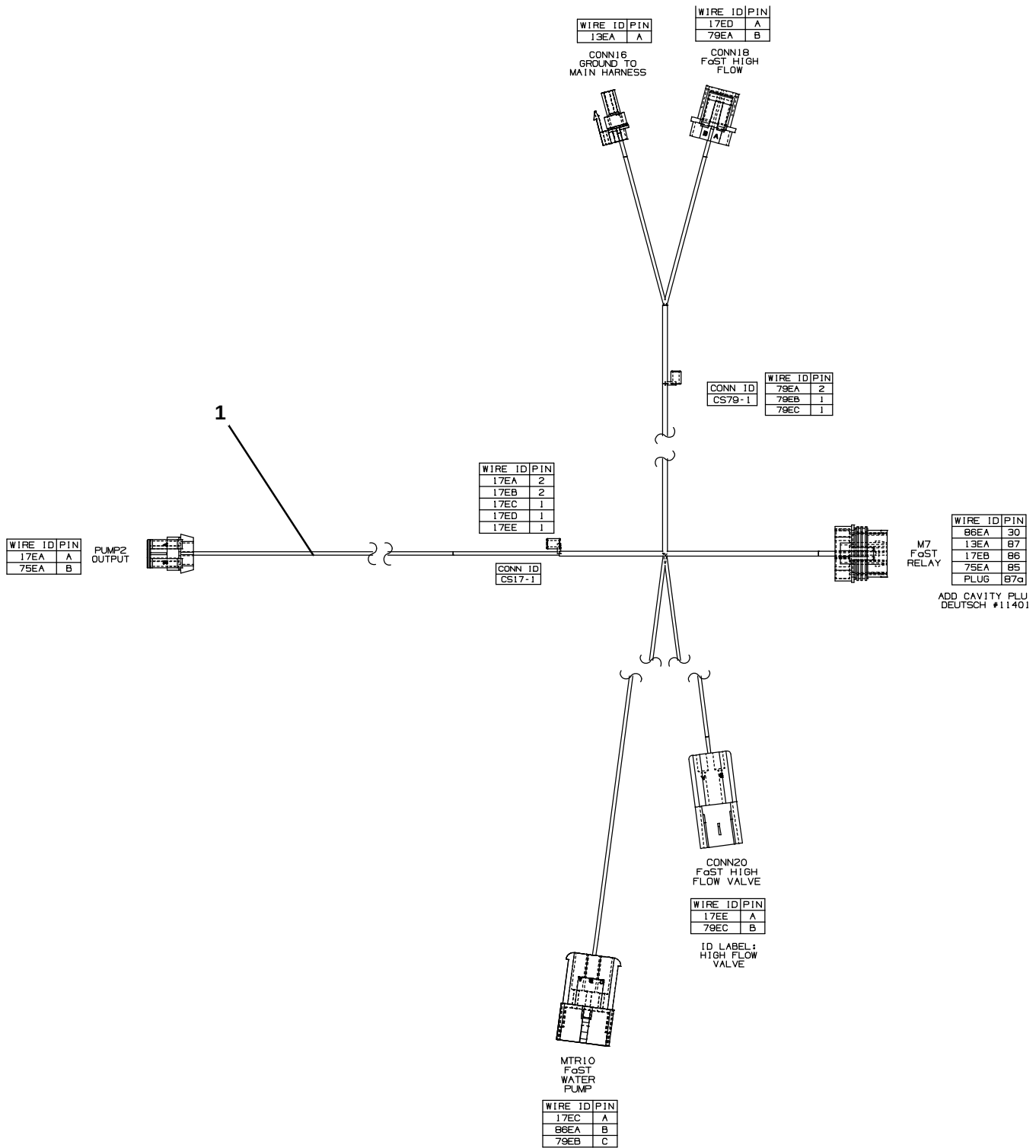


Fig. 17 – Fast Wire Harness Group (002533–)

Ref.	Part No.	Serial Number	Description	Qty.
1	1037809	(002533–)	Harness, Wire [Fast Gen 2]	1

Fig. 18 - ec-H2O Solution Pump Group

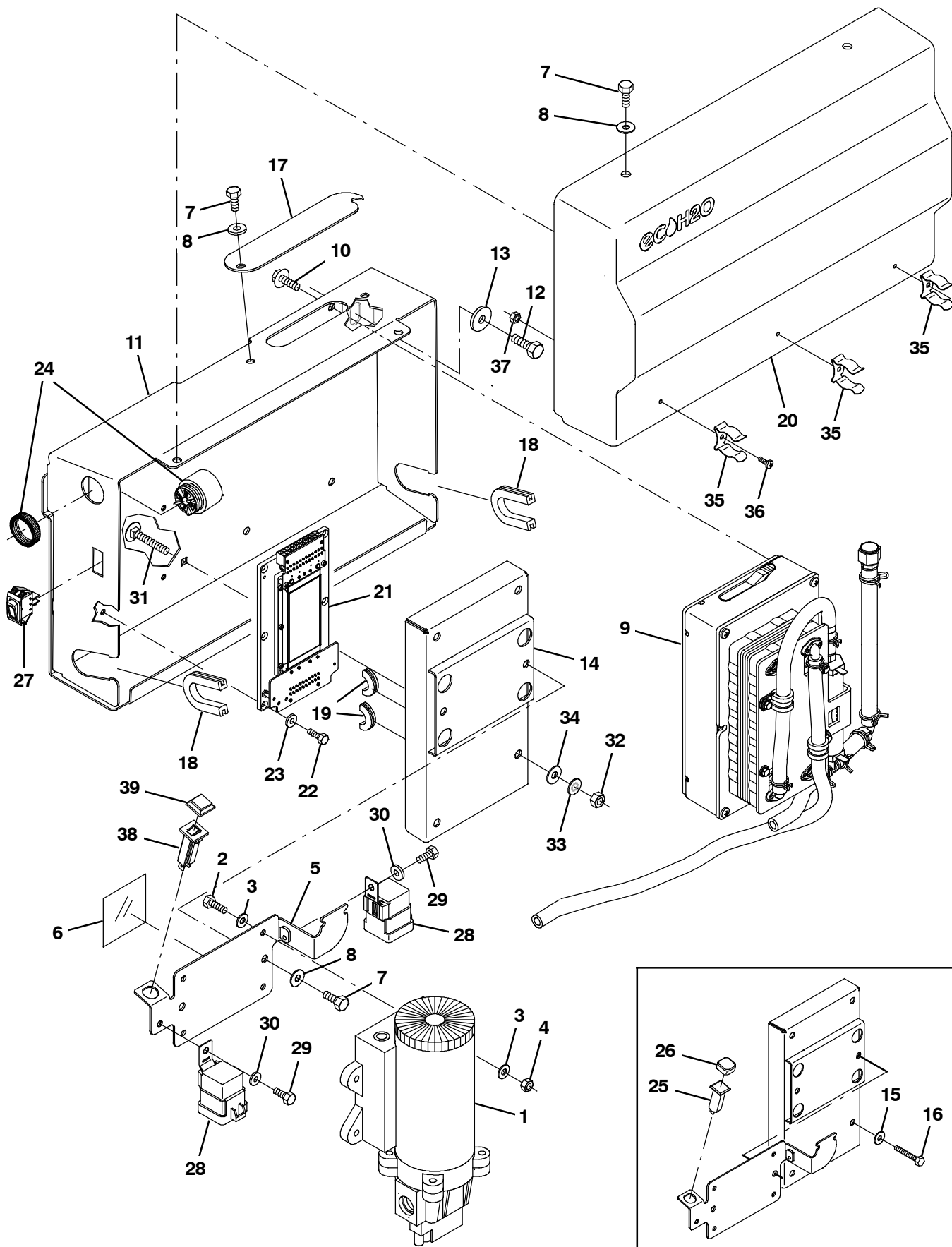


Fig. 18 – ec-H2O Solution Pump Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1060624	(000000–	) Pump, Soltn, Ele, 13.7vdc,12/28psi	1
2	09252	(000000–	) Screw, Hex, M5 X 0.80 X 20, 8.8	4
3	19066	(000000–	) Washer, Flat, 10	8
4	06549	(000000–	) Nut, Hex, Lock, M5 X 0.80, NI	4
5	1060273	(000000–	) Plate, Mtg, Pump	1
6	1059677	(000000–	) Strip, Rbr, 0.06 03.54w 03.5l [Neo/60]	1
7	09744	(000000–	) Screw, Hex, M6 X 1.00 X 12, Ss	6
8	01684	(000000–	) Washer, Flat, 0.27b 0.69d .05, Ss	6
9	9007882	(000000–	) Module Kit, Replmt [Ec-H2O] (See Breakdowns)	1
10	1040467	(000000–	) Screw, Hex, M6 X 1.00 X 20, 9.8, Sems	4
11	1060292	(000000–	) Plate Wldt, Mtg	1
12	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	2
13	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	2
14	1060185	(000000–	) Cover Wldt, Power Supply	1
15	01684	(000000–xxxxxx	) Washer, Flat, 0.27b 0.69d .05, Ss	4
16	07805	(000000–xxxxxx	) Screw, Hex, M6 X 1.00 X 35, Ss	4
17	1060291	(000000–	) Plate, Inspection	1
18	1020168	(000000–	) Molding, Afmkt, Trim, Pvc, .08 .11, 01Ft	1
19	10632–4	(000000–	) Grommet, Rbr, 0.62id, F/0.9h, .06 Matl	1
20	1060719	(000000–	) Cover, Trimmed	1
21	1058963	(000000–	) Converter, Ele, 12–36 Vdc	1
22	09206	(000000–	) Screw, Hex, M4 X 0.70 X 12, 8.8	4
23	19065	(000000–	) Washer, Flat, 08	4
24	1052726	(000000–	) Alarm, 9–48vdc, 95 Db(A) [Ec-H2O]	1
25	1053078	(000000–003658	) Circuitbreaker, 2.0a, Resetable	1
26	1046173	(000000–003658	) Boot, Circuitbreaker	1
27	1044393	(000000–	) Switch, Rocker, Spst, Mom	1
28	56186	(000000–	) Relay, 12vdc, 040a, Spdt No	2
29	09738	(000000–	) Screw, Hex, M5 X 0.80 X 12, Ss	2
30	01683	(000000–	) Washer, Flat, 10, Ss	2
31	1062804	(xxxxxx–	) Bolt, Carriage, M06 X 1.00 X 40, 4.6	4
32	41359	(xxxxxx–	) Nut, Hex, Std, M6 X 1.00, 8	4
33	32982	(xxxxxx–	) Washer, Lock, Int, 0.25	4
34	32483	(xxxxxx–	) Washer, Flat, 0.25, Sae	4
35	1029057	(000000–	) Clip, Grip, Finger, 0.88–1.25d	3
36	12323	(000000–	) Screw, Pan, Phl, M4 X 0.70 X 20, Ss	3
37	33932	(000000–	) Nut, Hex, Lock, M4 X 0.70, NI, Ss	3
38	1064183	(003659–	) Circuitbreaker, 02.0a, Resetable	1
39	1064191	(003659–	) Boot, Circuitbreaker	1

Fig. 19 – ec-H2O Solution Pump Supply Group

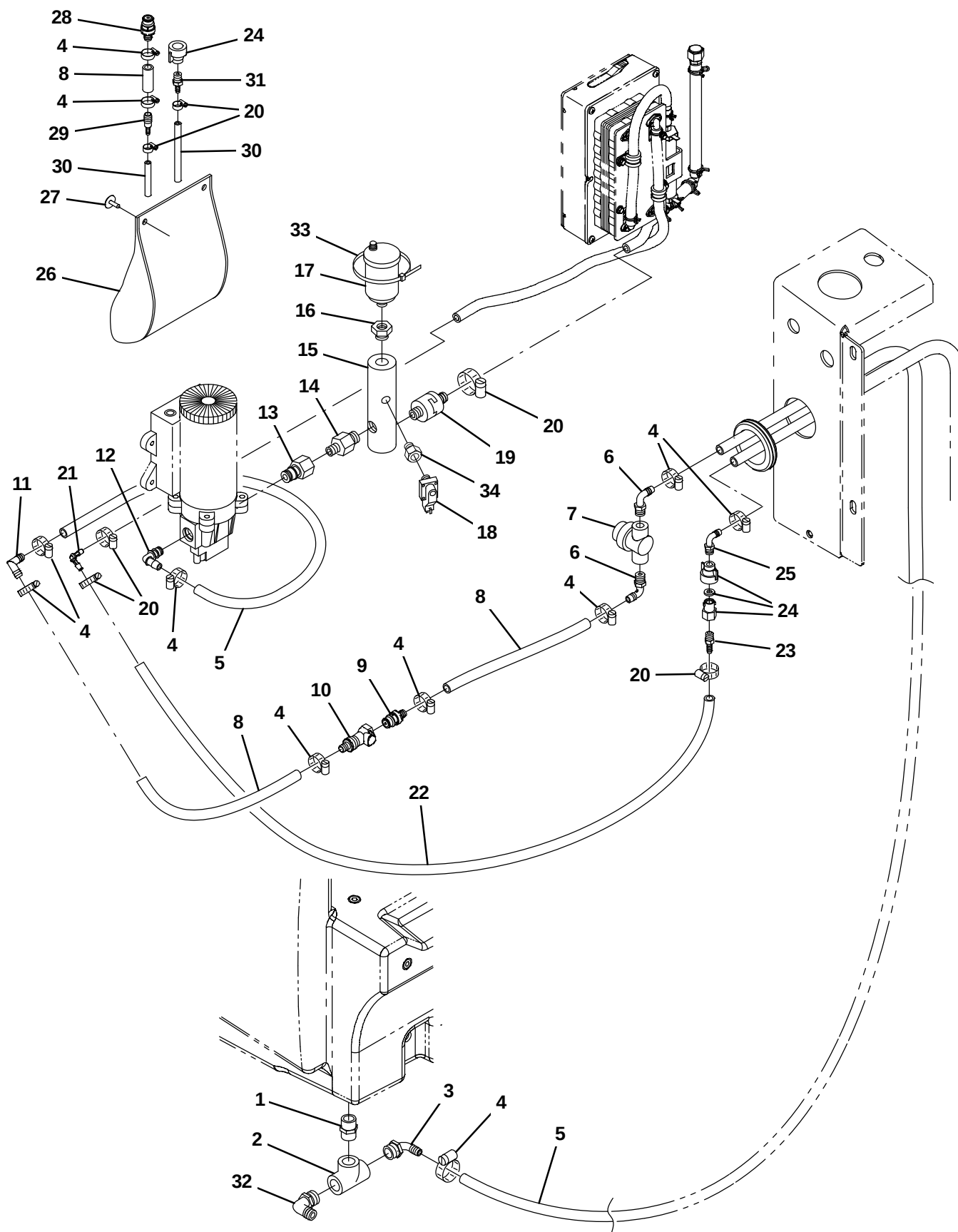


Fig. 19 – ec-H2O Solution Pump Supply Group

Ref.	Part No.	Serial Number	Description	Qty.
1	24544	(000000–	) Fitting, Plstc, Str, Pm12/Pm12 1.60l	1
2	42133A	(000000–	) Fitting, Plstc, Tee, Pf12/Pf12/Pf12	1
3	1005552	(000000–	) Fitting, Plstc, E90, Bm08/Pm12, Nyl	1
4	54333	(000000–	) Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	1
5	1011521	(000000–	) Hose, Afmkt, Pvc, Brd, 0.50id, 02ft, Clr	2
6	64778	(000000–	) Fitting, Plstc, E90, Bm08/Pm06	2
7	1005302	(000000–	) Filter, In-Line, Pf06/Pf06 080mesh 02.6l	1
8	1011403	(000000–	) Hose, Afmkt, Pvc, Brd, 0.50id, 01ft, Clr	3
9	1017415	(000000–	) Insert, Cplg, Qm, Bm08	1
10	1017413	(000000–	) Housing, Cplg, Qf / Pm08	1
11	63987–1	(000000–	) Fitting, Plstc, E90, Bm08/Bm08	1
12	1049254	(000000–	) Fitting, Nyl, Qdc, E90, Bm08/ Qm10	1
13	1059372	(000000–	) Fitting, Plstc, Str, Pf06/Qm10, Pvc	1
14	1005219	(000000–	) Fitting, Plstc, Str, Pm04/Pm06, Nyl	1
15	1060596	(000000–	) Manifold, Water	1
16	24698	(000000–	) Fitting, Brs, Str, Pf02/Pm06	1
17	1017386	(000000–	) Valve, Vent, Air, Float Type	1
18	1058935	(000000–	) Switch, Press, 50 Psi, Pm02	1
19	1060693	(000000–	) Valve, Check, 0005psi Pm04/Bm06	1
20	43844	(000000–	) Clamp, Hose, Wormdrive, 0.25–0.62d, .31w	1
21	1059391	(000000–	) Fitting, Plstc, E90, Bm05/Bm05, Nyl	1
22	1052336	(000000–	) Hose, Afmkt, PVC, Brd, 0.31id, 03Ft, Clr	2
23	1052017	(000000–	) Fitting, Plstc, Str, Bm05/Pm04	1
24	1043866	(000000–	) Fitting Assy, Qdc, Pf04	2
25	65581	(000000–	) Fitting, Plstc, E90, Bm08/Pm04	1
26	48790	(000000–	) Pouch	1
27	72968	(000000–	) Rivet, Plstc, .250d X 0.90	2
28	1017415	(000000–	) Insert, Cplg, Qm, Bm08	1
29	630164	(000000–	) Fitting, Plstc, Str, Bm04/Bm08	1
30	1006415	(000000–	) Hose, Afmkt, Pvc, Clr, 0.25id, 03ft	2
31	50901	(000000–	) Fitting, Plstc, Str, Bm04/Pm04	1
32	14877	(000000–	) Fitting, Plstc, E90, Bm12/Pm12	1
33	49266	(000000–	) Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	1
34	1062403	(000000–	) Fitting, Brs, Snubber, Pm02/Pf02	1

Fig. 20 – ec-H2O Solution Supply Group

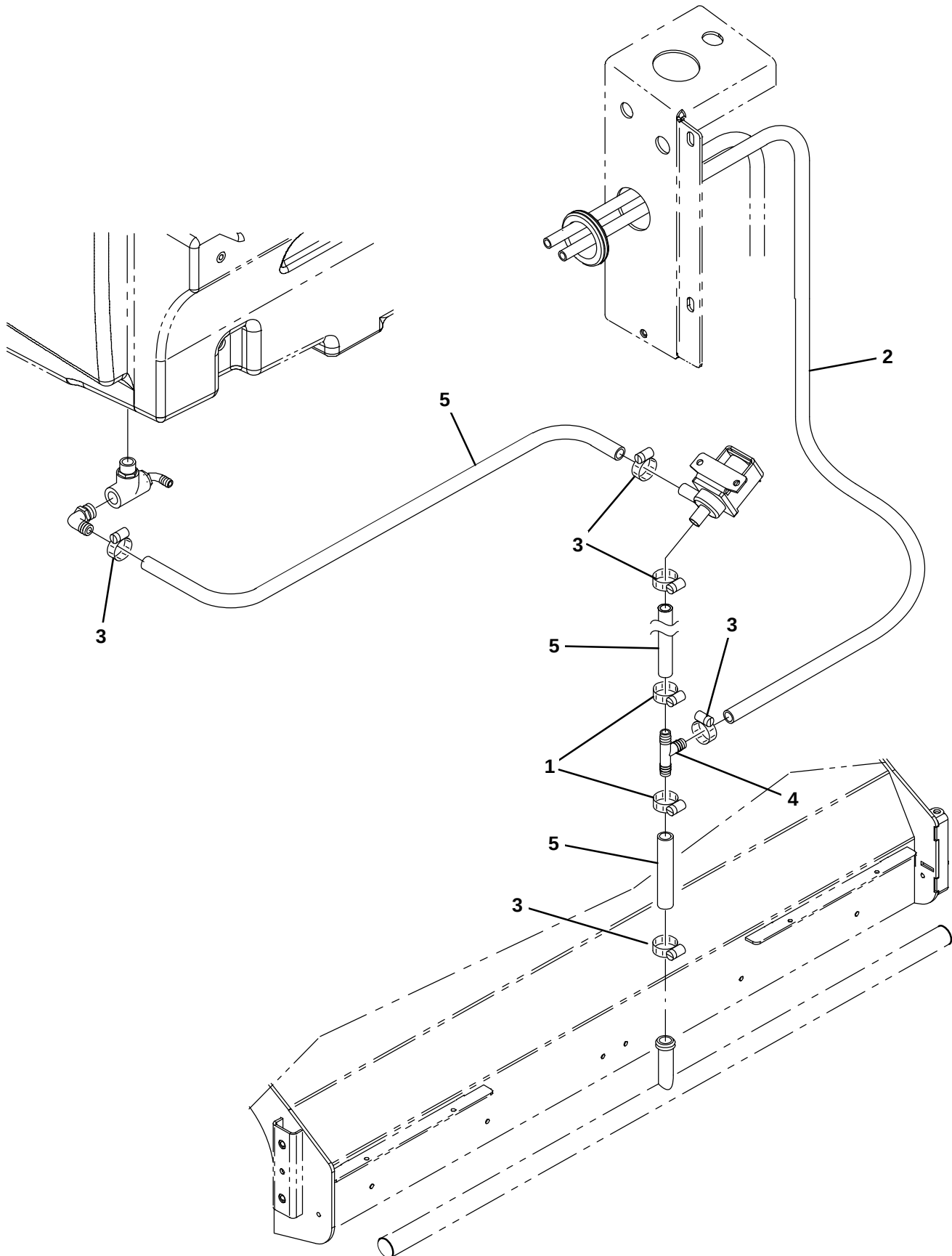


Fig. 20 – ec-H2O Solution Supply Group

Ref.	Part No.	Serial Number	Description	Qty.
1	63810	(000000–	) Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	2
2	1011837	(000000–	) Hose, Afmkt, Pvc, Brd, 0.50id, 12ft, Clr	1
3	54333	(000000–	) Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	2
4	385644	(000000–	) Fitting, Plstc, Tee, Bm08/Bm12/Bm12, Br	1
5	1015045	(000000–	) Hose, Afmkt, Pvc, Brd, 0.75id, 08ft, Clr	1

Fig. 21 – ec-H2O Solution Supply Group with Side Brush

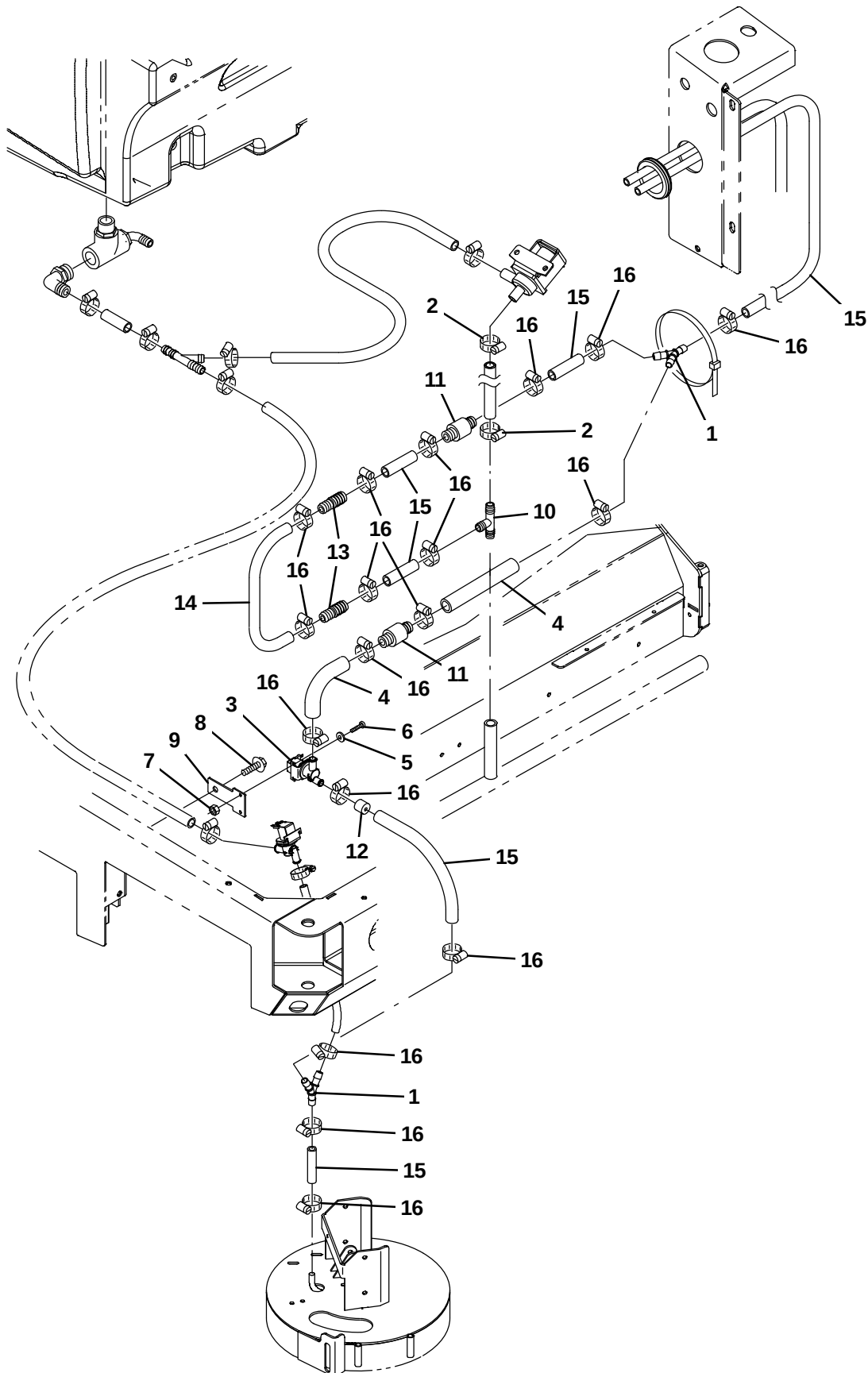


Fig. 21 – ec-H2O Solution Supply Group with Side Brush

Ref.	Part No.	Serial Number	Description	Qty.
1	1010668	(000000–	) Fitting, Plstc, Y, Bm08/Bm08/Bm08, Nyl	1
2	63810	(000000–	) Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	2
3	1037825	(000000–	) Valve Assy, Water, Solenoid, 12vdc	1
4	31543	(000000–	) Hose, Heater, E90, 0.62id, 24.0 4.0	1
5	01683	(000000–	) Washer, Flat, 10, Ss	2
6	24196	(000000–	) Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
7	09739	(000000–	) Nut, Hex, Lock, M5 X 0.80, NI, Ss	2
8	76099	(000000–	) Screw, Hex, M8 X 1.25 X 25, Fmg	1
9	1030511	(000000–	) Plate, Mtg, Valve	1
10	385644	(000000–	) Fitting, Plstc, Tee, Bm08/Bm12/Bm12, Br	1
11	1010614	(000000–	) Valve, Check, 2gpm .5psi Bm08/Bm08	2
12	1061045	(000000–	) Plug, Restrictor	1
13	222375	(000000–	) Fitting, Plstc, Str, Bm06/Bm08	2
14	1014974	(000000–	) Hose, Afmkt, Pvc, Brd, 0.38id, 02ft, Clr	1
15	1011412	(000000–	) Hose, Afmkt, Pvc, Brd, 0.50id, 08ft, Clr	1
16	54333	(000000–	) Clamp, Hose, Wormdrive, 0.31–0.88d, .31w	18

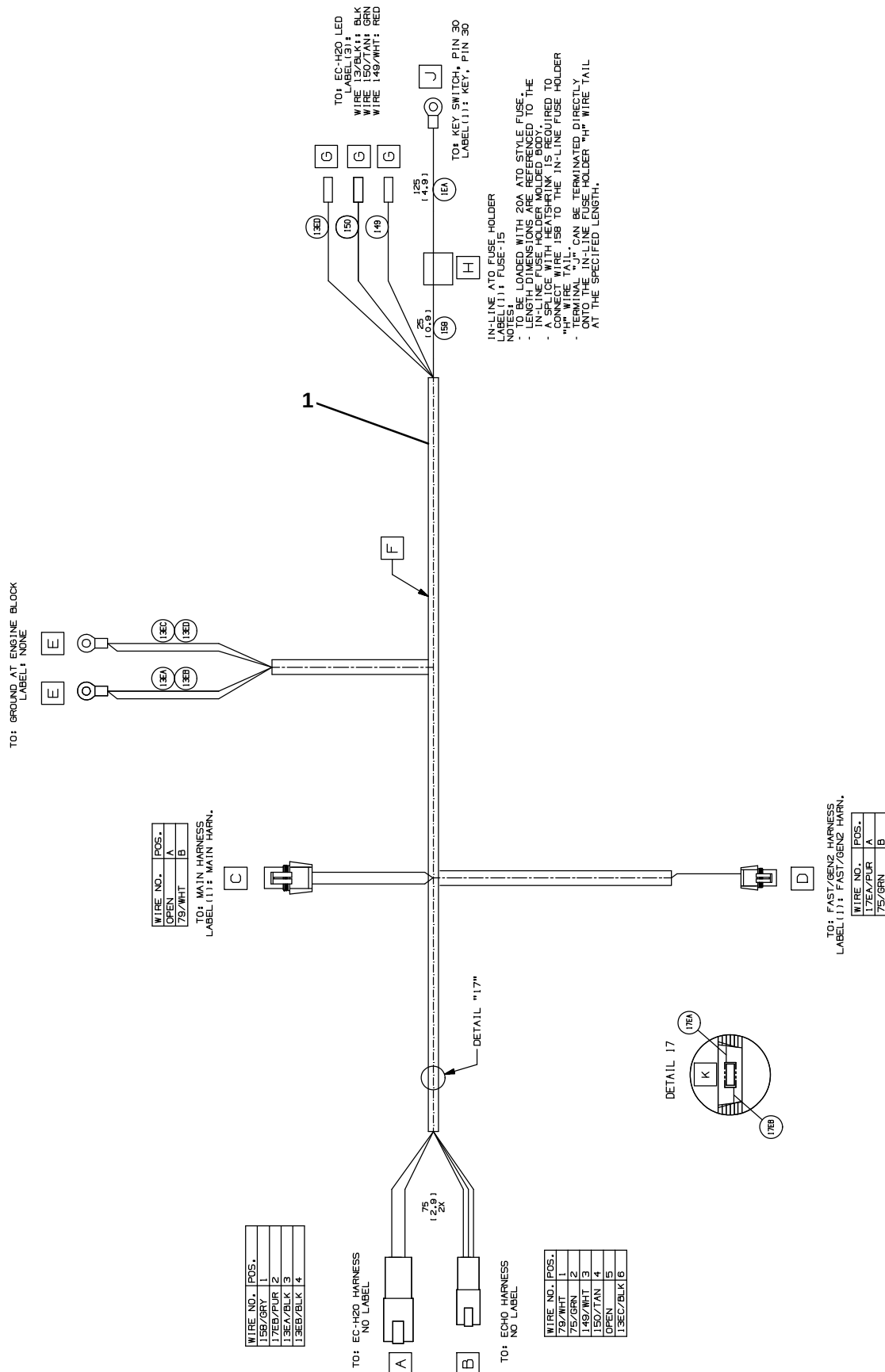
M20 331381 (4-10)

Fig. 22 – ec-H20 Wire Harnesses Group

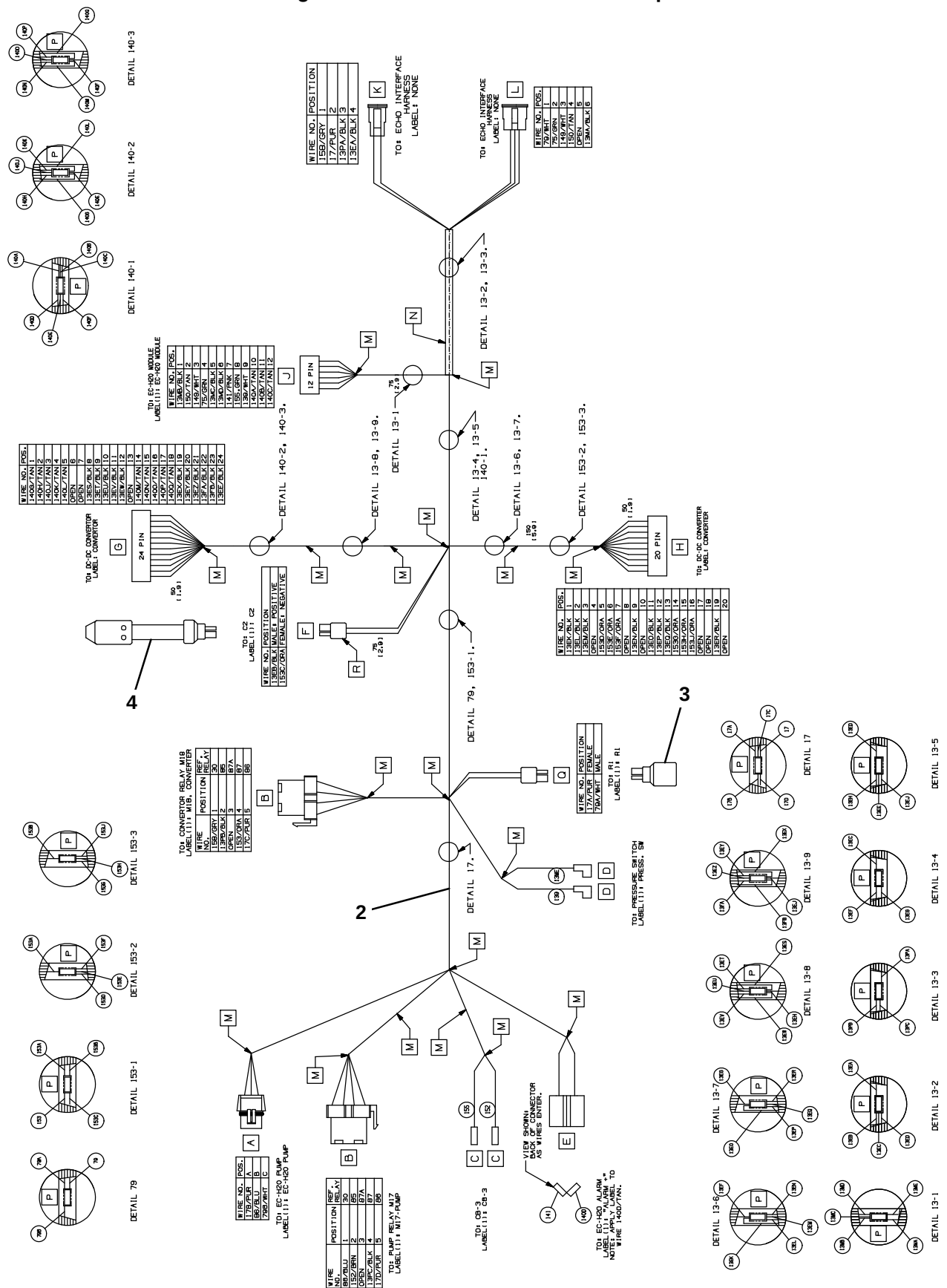
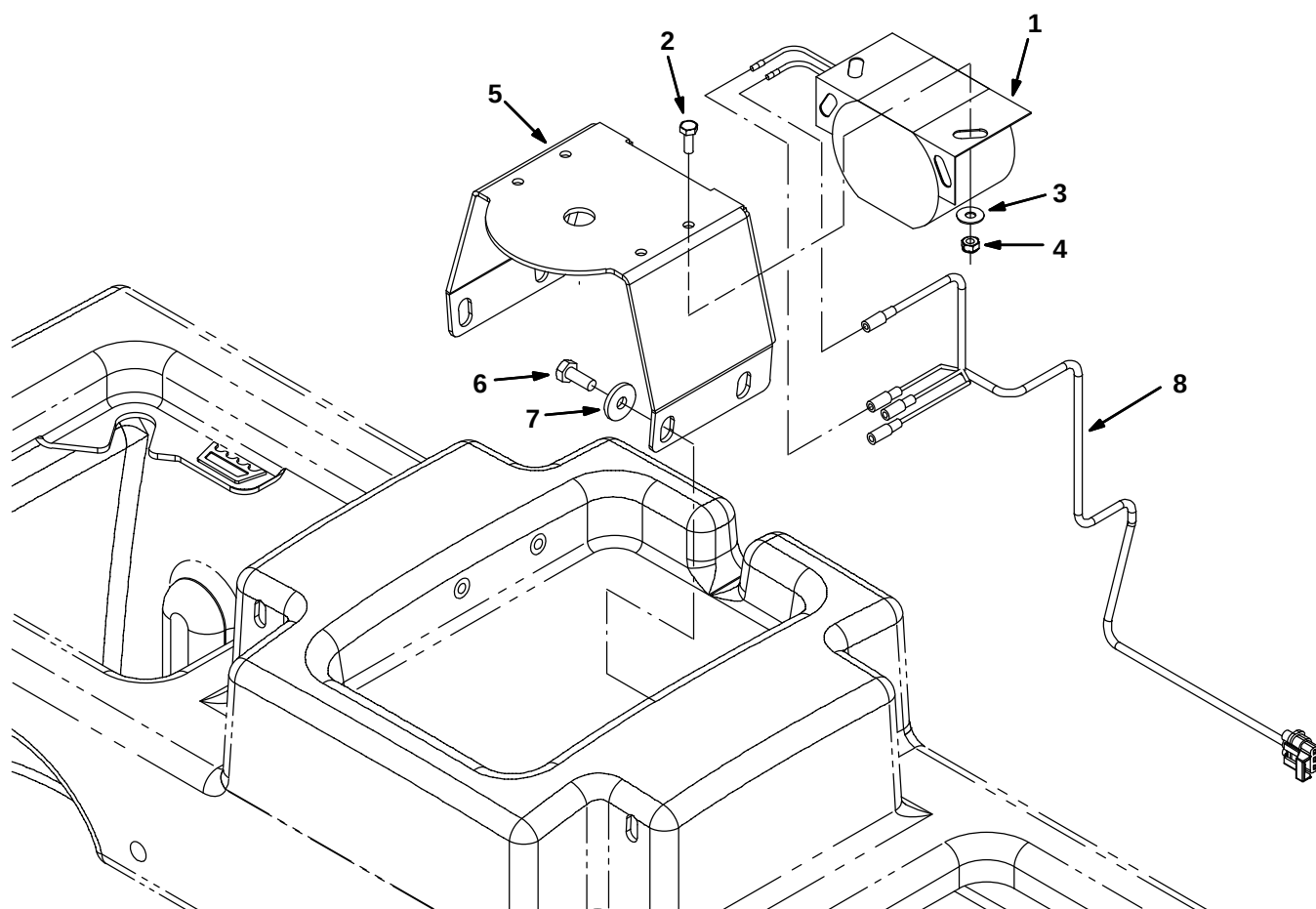


Fig. 22 – ec-H20 Wire Harnesses Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1060870	(000000–	) Harness, Wire, Interface [Ec-H2o]	1
2	1060871	(000000–	) Harness, Wire [Ec-H2o]	1
3	1060880	(000000–	) Resistor, Ele, Plug [430 , 2w]	1
4	1060881	(000000–	) Capacitor, Plug [4700uf, 25v]	1

Fig. 23 – Backup Alarm Kit



354473

Ref.	Part No.	Serial Number	Description	Qty.
▽	9001321	(000000–	) Alarm Kit, Backup, Ci [M20 And T20]	1
▲	1 9007131	(000000–	) Alarm Assy, Backup, 12/48Vdc	1
▲	2 24196	(000000–	) Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
▲	3 19066	(000000–	) Washer, Flat, 10	2
▲	4 09739	(000000–	) Nut, Hex, Lock, M5 X 0.80, NI, Ss	2
▲	5 1019445	(000000–	) Bracket, Sppt, Revl Light	1
▲	6 09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	4
▲	7 1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	4
▲	8 1019971	(000000–	) Harness, Warning / Backup [M20 & T20]	1

Fig. 24 – Light Kit, Flashing

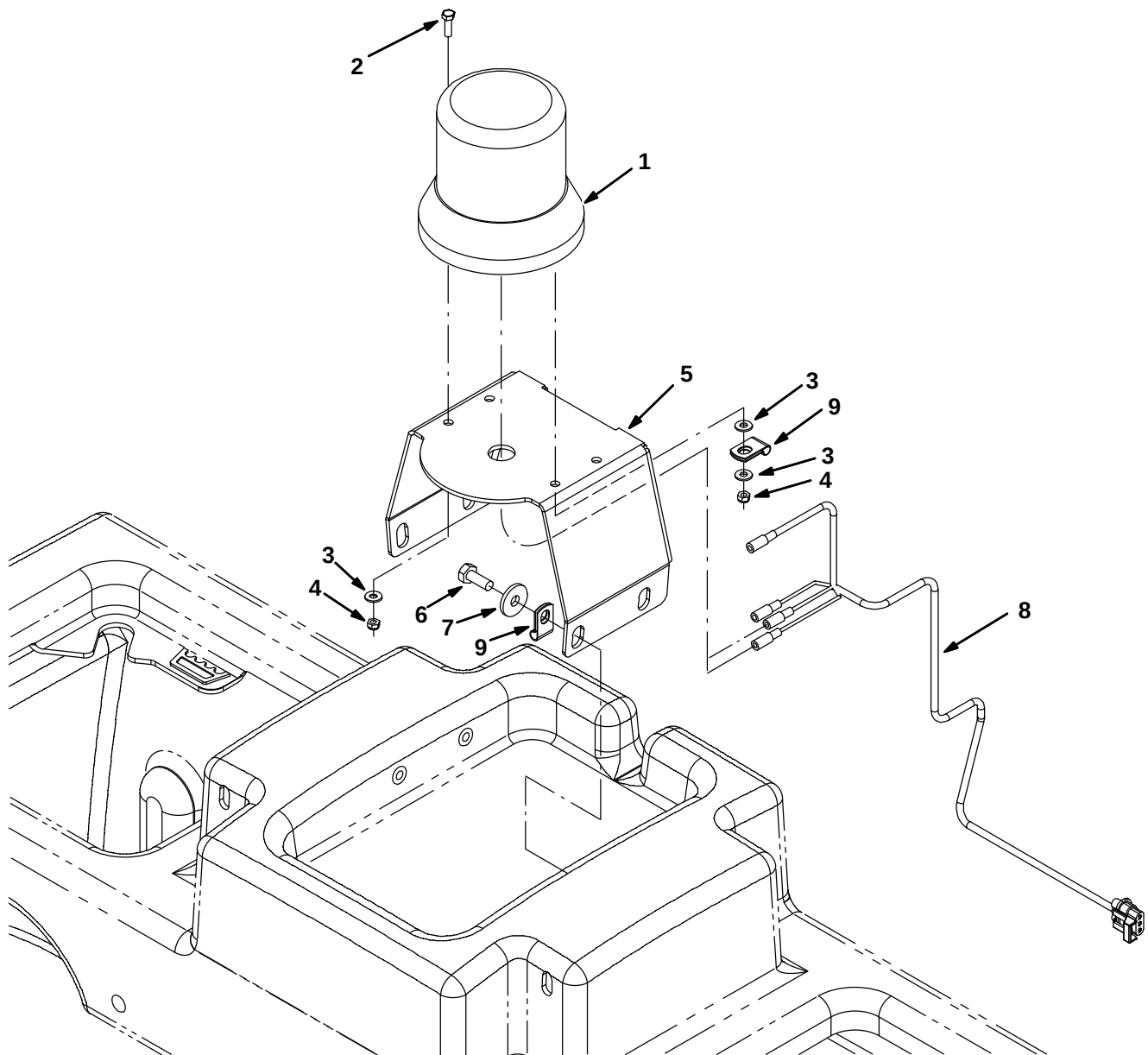


Fig. 24 – Light Kit, Flashing

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001327	(000000–	) Light Kit, Flsh, Ci [M20 And T20]	1
▲▽	1	1017248	(000000–	) Lamp, Flasher, Amb [12–48 Vdc]	1
▲▲		9000879	(000000–	) Lens, Lamp, Amb, Strobe/Flasher	1
▲▲		9000846	(000000–	) Lamp, Bulb, Flsh	1
▲▲		1027800	(000000–	) Lens, Blue, Option, F/ Revl / Flsh Light	1
▲▲		1027798	(000000–	) Lens, Red, Option, F/ Revl / Flsh Light	1
▲		55272	(000000–	) Terminal, Bullet, Mal, .157d, 12ga	2
▲	2	24196	(000000–	) Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
▲	3	19066	(000000–	) Washer, Flat, 10	2
▲	4	09739	(000000–	) Nut, Hex, Lock, M5 X 0.80, NI, Ss	2
▲	5	1019445	(000000–	) Bracket, Sppt, Revl Light	1
▲	6	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	4
▲	7	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	4
▲	8	1019971	(000000–	) Harness, Warning / Backup [M20 & T20]	1
▲	9	46236	(000000–	) Clamp, Cable, Stl, 0.25D X 0.56W, 1Hole	2

Fig. 25 – Light Kit, Revolving

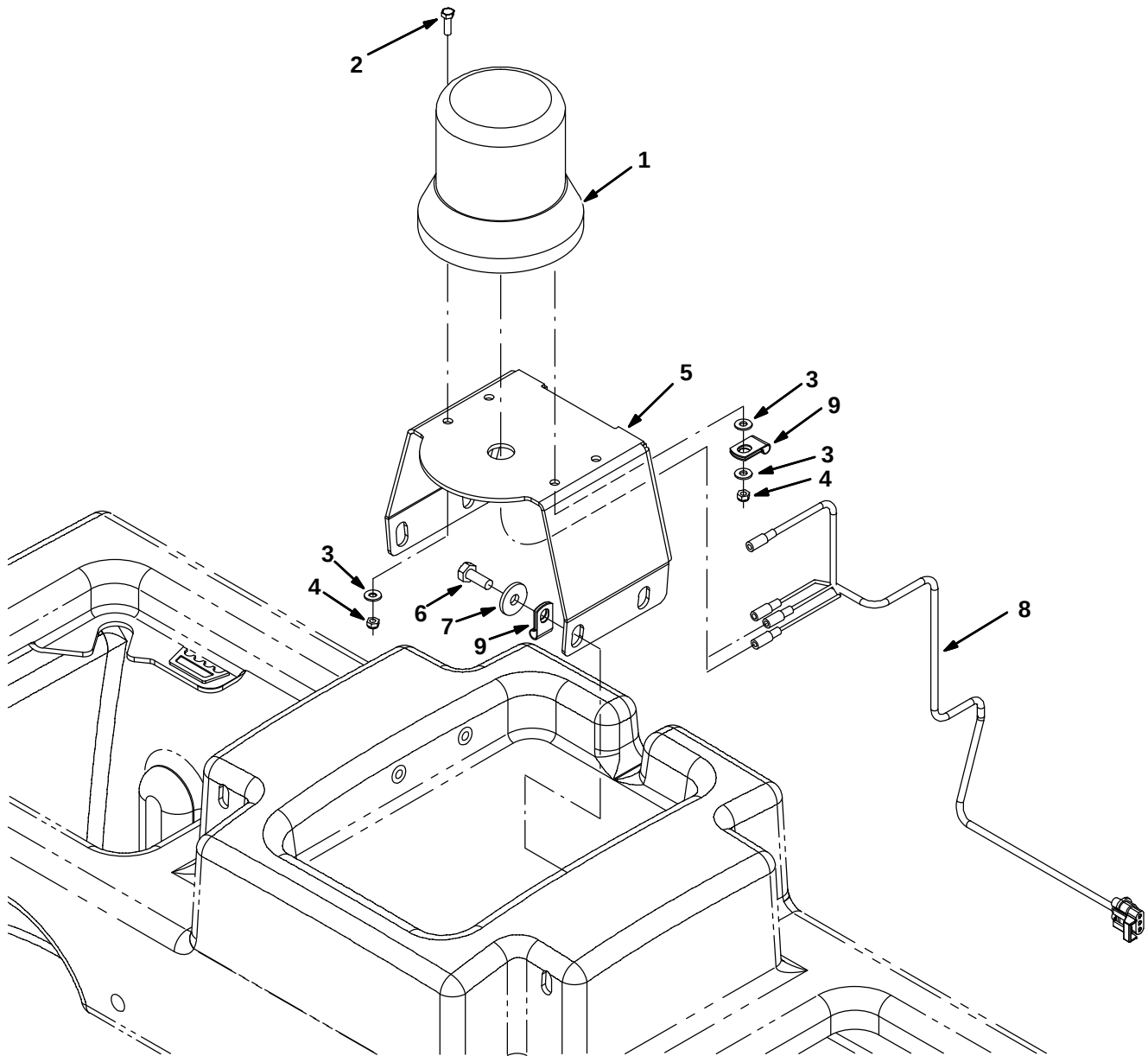
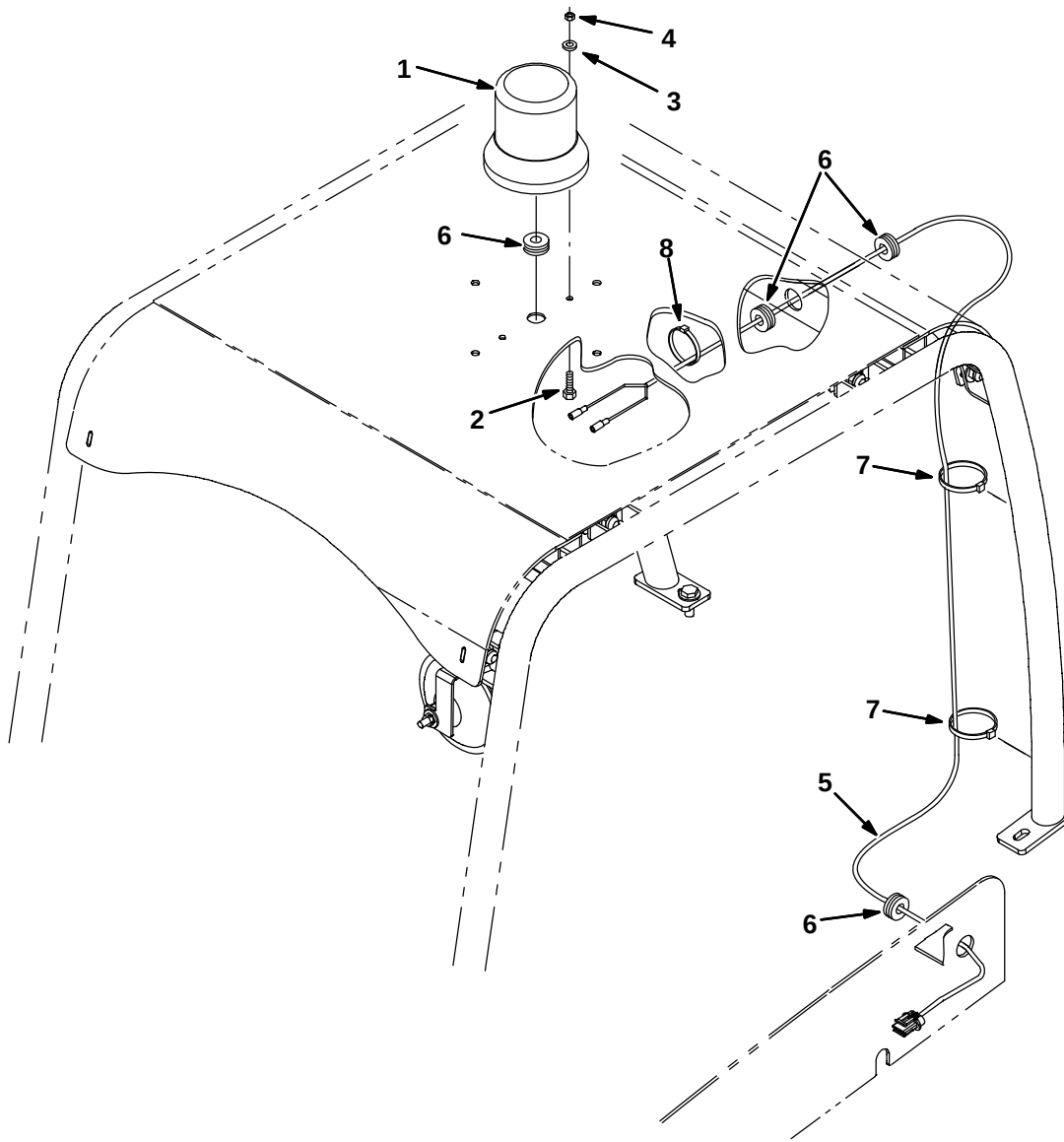


Fig. 25 – Light Kit, Revolving

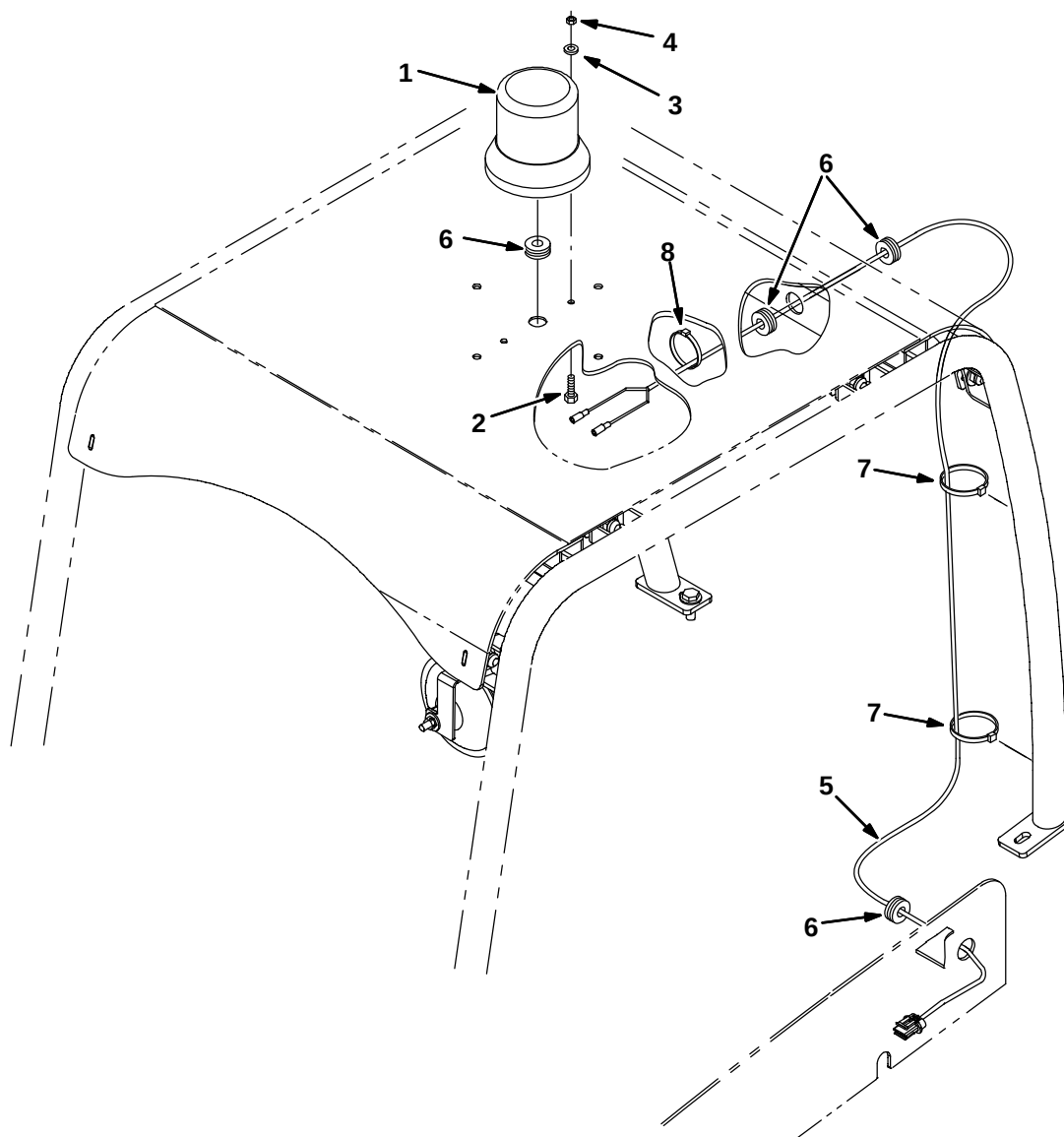
	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001331	(000000–	) Light Kit, Revl, Ci [M20 And T20]	1
▲▽	1	1017250	(000000–	) Lamp Strobe, Amb [12–48 Vdc]	1
▲▲		9000879	(000000–	) Lens, Lamp, Amb, Strobe/Flasher	1
▲▲		9000845	(000000–	) Lamp, Bulb, Strobe	1
▲▲		1027800	(000000–	) Lens, Blue, Option, F/ Revl / Flsh Light	1
▲▲		1027798	(000000–	) Lens, Red, Option, F/ Revl / Flsh Light	1
▲		55272	(000000–	) Terminal, Bullet, Mal, .157d, 12ga	2
▲	2	24196	(000000–	) Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
▲	3	19066	(000000–	) Washer, Flat, 10	2
▲	4	09739	(000000–	) Nut, Hex, Lock, M5 X 0.80, NI, Ss	2
▲	5	1019445	(000000–	) Bracket, Sppt, Revl Light	1
▲	6	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	4
▲	7	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	4
▲	8	1019971	(000000–	) Harness, Warning / Backup [M20 & T20]	1
▲	9	46236	(000000–	) Clamp, Cable, Stl, 0.25D X 0.56W, 1Hole	2

Fig. 26 – Light Kit, Flashing Overhead Guard


354477

Ref.	Part No.	Serial Number	Description	Qty.
▽	9001718	(000000–	) Light Kit, Flsh, W/Ohg, Ci[M20 And T20]	1
▲▽	1 1017248	(000000–	) Lamp, Flasher, Amb [12–48 Vdc]	1
▲▲	9000879	(000000–	) Lens, Lamp, Amb, Strobe/Flasher	1
▲▲	9000846	(000000–	) Lamp, Bulb, Flsh	1
▲▲	1027800	(000000–	) Lens, Blue, Option, F/ Revl / Flsh Light	1
▲▲	1027798	(000000–	) Lens, Red, Option, F/ Revl / Flsh Light	1
▲	55272	(000000–	) Terminal, Bullet, Mal, .157d, 12ga	2
▲	2 24196	(000000–	) Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
▲	3 19066	(000000–	) Washer, Flat, 10	2
▲	4 09739	(000000–	) Nut, Hex, Lock, M5 X 0.80, NI, Ss	2
▲	5 1019647	(000000–	) Harness, Warning / Ohg [M20]	1
▲	6 10632–17	(000000–	) Grommet, Rbr, 0.50id, F/0.8h, .12 Matl	4
▲	7 763115	(000000–	) Tie, Cable, 6.0l, 1.25d Max	4
▲	8 49266	(000000–	) Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	2

Fig. 27 – Light Kit, Revolving Overhead Guard



354477

Ref.	Part No.	Serial Number	Description	Qty.
▽	9001717	(000000–	) Light Kit, Revl, W/Ohg, Ci [M20 And T20]	1
▲▽	1 1017250	(000000–	) Lamp Strobe, Amb [12–48 Vdc]	1
▲▲	9000879	(000000–	) Lens, Lamp, Amb, Strobe/Flasher	1
▲▲	9000845	(000000–	) Lamp, Bulb, Strobe	1
▲▲	1027800	(000000–	) Lens, Blue, Option, F/ Revl / Flsh Light	1
▲▲	1027798	(000000–	) Lens, Red, Option, F/ Revl / Flsh Light	1
▲	55272	(000000–	) Terminal, Bullet, Mal, .157d, 12ga	2
▲	2 24196	(000000–	) Screw, Pan, Phl, M5 X 0.80 X 20, Ss	2
▲	3 19066	(000000–	) Washer, Flat, 10	2
▲	4 09739	(000000–	) Nut, Hex, Lock, M5 X 0.80, NI, Ss	2
▲	5 1019647	(000000–	) Harness, Warning / Ohg [M20]	1
▲	6 10632–17	(000000–	) Grommet, Rbr, 0.50id, F/0.8h, .12 Matl	4
▲	7 763115	(000000–	) Tie, Cable, 6.0l, 1.25d Max	4
▲	8 49266	(000000–	) Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	2

Fig. 28 – Overhead Guard Kit

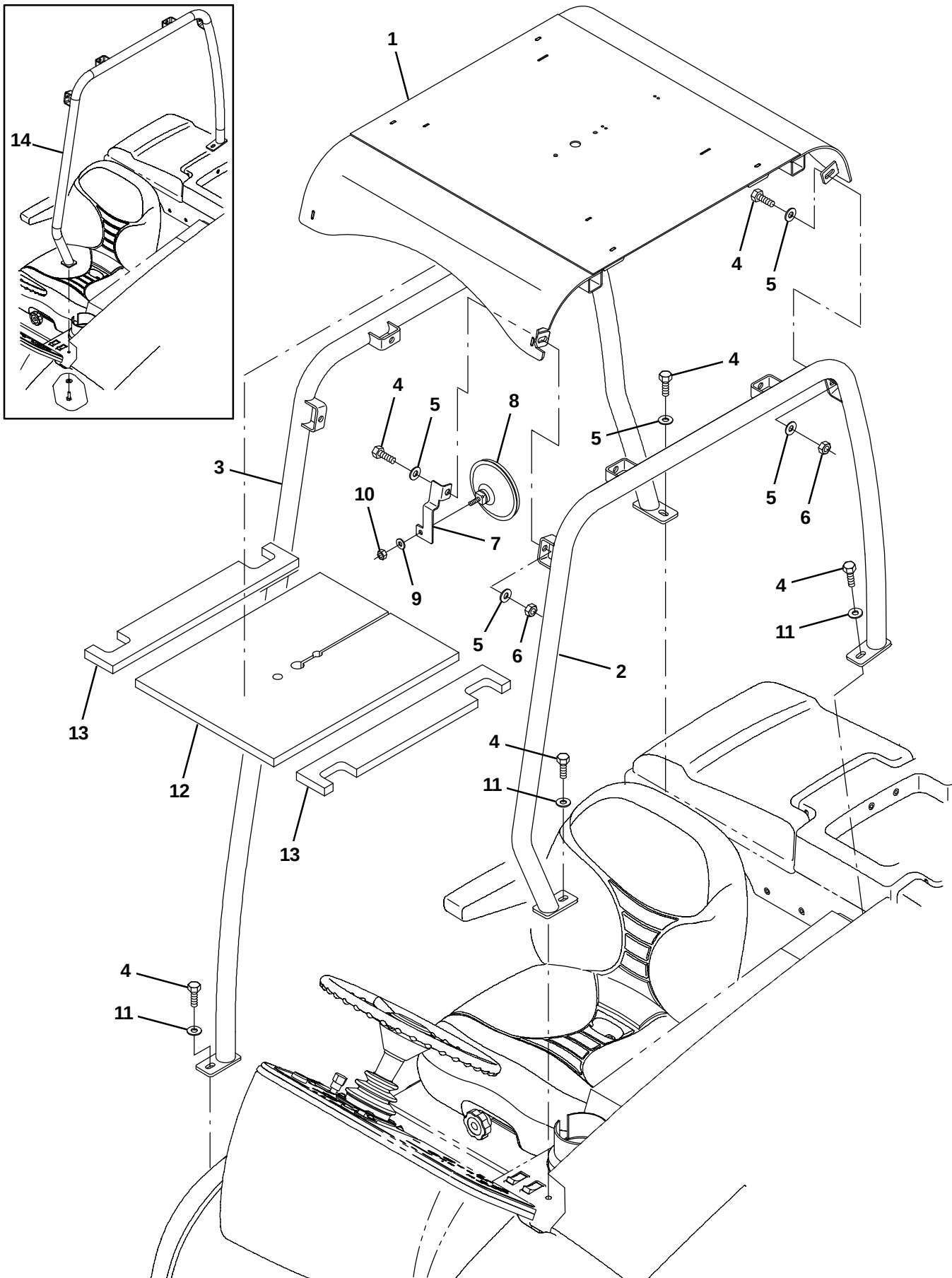


Fig. 28 – Overhead Guard Kit

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001314	(000000–	) Ohg Kit, Ci [M20 And T20]	1
▲	1	1022276	(000000–	) Guard Wldt, Top, Ohg	1
▲	2	1065793	(003775–	) Tube Wldt, Leg, Ohg, Lh, Pntd	1
▲	3	1022266	(000000–	) Tube Wldt, Leg, Ohg, Rh, Pntd	1
▲	4	03192	(000000–	) Screw, Hex, M10 X 1.5 X 30, 8.8	12
▲	5	32492	(000000–	) Washer, Flat, 0.38 Std	17
▲	6	41430	(000000–	) Nut, Hex, Lock, M10 X 1.5, NI	8
▲	7	1023879	(000000–	) Bracket, Mtg, Mirror, Rearview	1
▲	8	1050295	(000000–	) Mirror, Convex, 0.50D	1
▲	9	32491	(000000–	) Washer, Flat, 0.31, Std	1
▲	10	19313	(000000–	) Nut, Hex, Std, .31–18	1
▲	11	1014563	(000000–	) Washer, Flat, 0.40b 1.12d .12, Ss	3
▲	12	1032830	(000000–	) Insulation	1
▲	13	1032831	(000000–	) Insulation	2
	14	1022265	(000000–003774	) Tube Wldt, Leg, Ohg, Lh, Pntd	1

Fig. 29 – Vacuum Wand Kit (000000-002406)

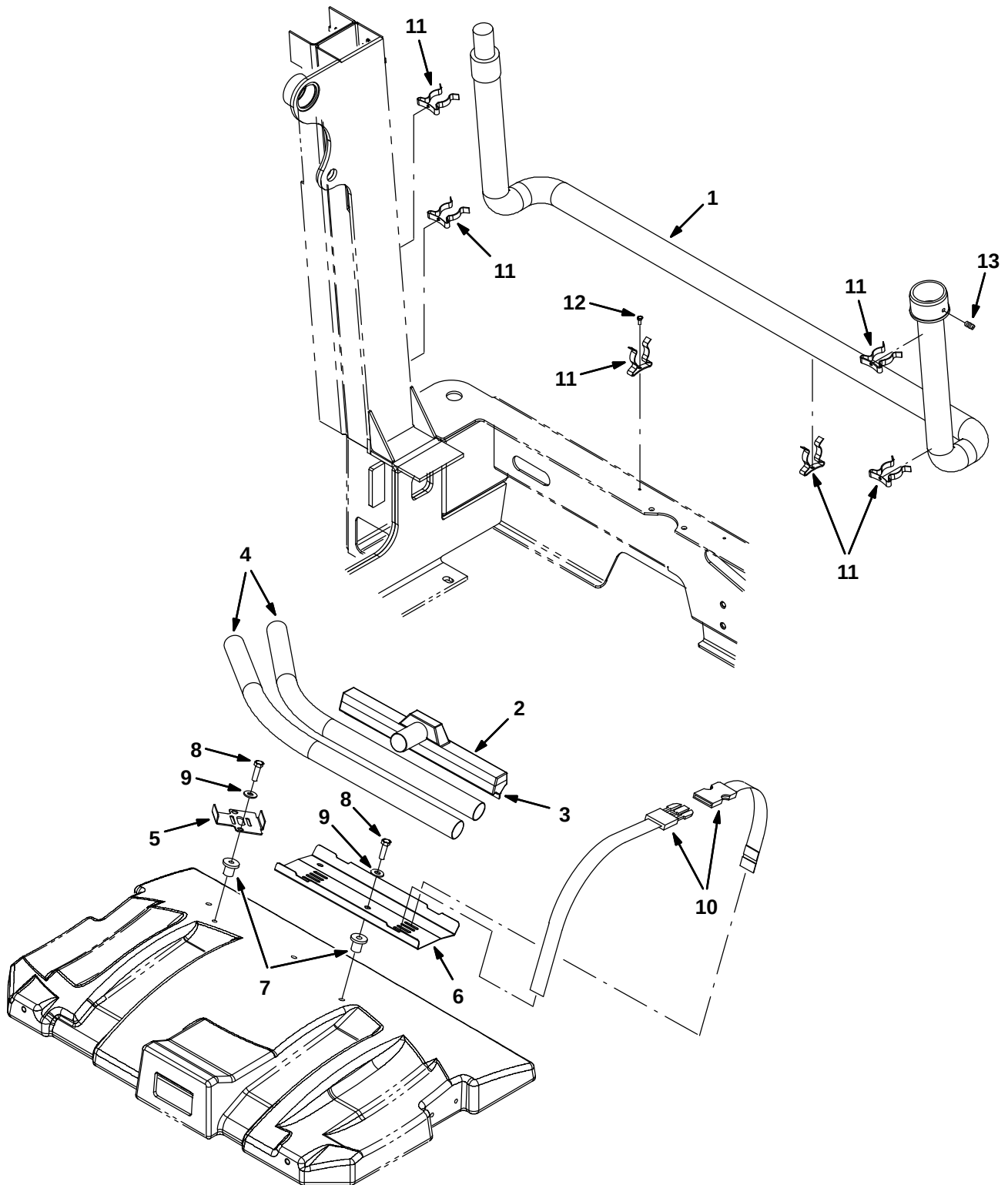


Fig. 29 – Vacuum Wand Kit (000000–002406)

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001334	(000000–002406)	Wand Kit, Vacuum, Ci [M20]	1
▲	1	69657	(000000–002406)	Hose Assy, W/2cuff, 1.5d 84l [Vacwand]	1
▲	2	63451	(000000–002406)	Nozzle, Wand, Plstc, 14.0lg	1
▲	3	63430	(000000–002406)	Shoe, Plstc, Sqge, 14.0	1
▲	4	63448	(000000–002406)	Tube, Wand, Vacuum, Metal [1pick=1box]	1
▲	5	1030549	(000000–002406)	Bracket, Mtg, Vacuum Wand	1
▲	6	1026146	(000000–002406)	Plate, Mtg, Vacuum Wand	1
▲	7	397648	(000000–002406)	Nut, Isolator, .38–16 Wall Th .015–.437	4
▲	8	21198	(000000–002406)	Screw, Hex, .38–16 X 1.25, 5	4
▲	9	32492	(000000–002406)	Washer, Flat, 0.38 Std	4
▲	10	367974	(000000–002406)	Strap, Pyp, 0.07 1.0w 18.5l, W/ Buckle	3
▲	11	67004	(000000–002406)	Clip, Grip, Finger, 1.00–1.88d White,Vyl	6
▲	12	55845	(000000–002406)	Screw, Hex, M5 X 0.8 X 16, Fmg	6
▲	13	69659	(000000–002406)	Plunger	1

Fig. 30 – Vacuum Wand Kit (002407–)

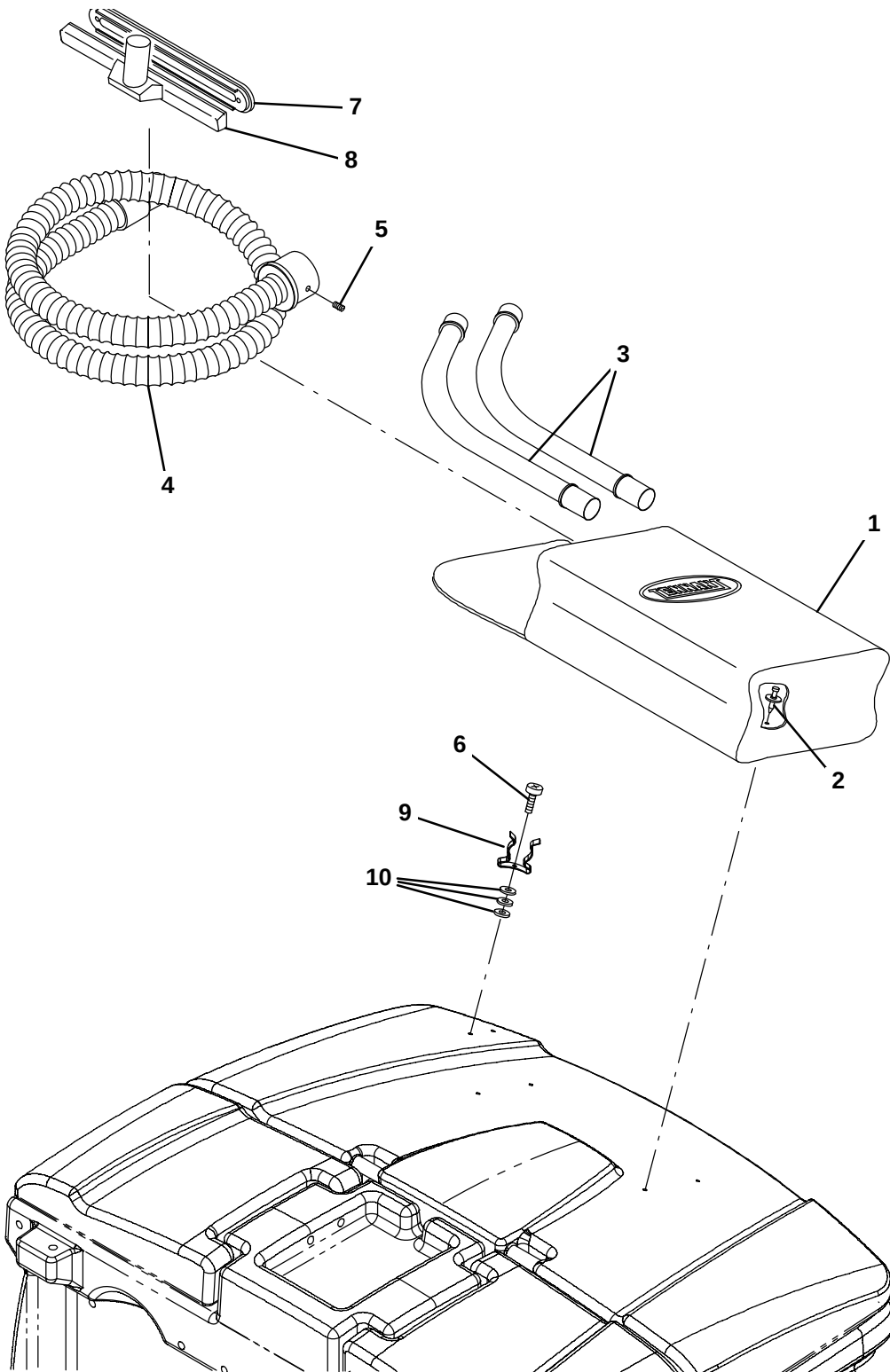


Fig. 30 – Vacuum Wand Kit (002407–)

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001334	(002407–)	Wand Kit, Vacuum, Ci [M20]	1
▲	1	65580	(002407–)	Bag, Power	1
▲	2	72968	(002407–)	Rivet, Plstc, .250d X 0.90	4
▲	3	63448	(002407–)	Tube, Wand, Vacuum, Metal	1
▲	4	69657	(002407–)	Hose Assy, W/2cuff, 1.5d 084l [Vacwand]	1
▲	5	69659	(002407–)	Plunger	1
▲	6	55845	(002407–)	Screw, Hex, M5 X 0.80 X 16, Fmg	2
▲	7	63430	(002407–)	Shoe, Plstc, Sqge, 14.0	1
▲	8	63451	(002407–)	Nozzle, Wand, Plstc, 14.0l	1
▲	9	67004	(002407–)	Clip, Grip, Finger, 1.00–1.88d White,Vyl	2
▲	10	19064	(002407–)	Washer, Flat, 06	6

Fig. 31 – Spray Nozzle Kit

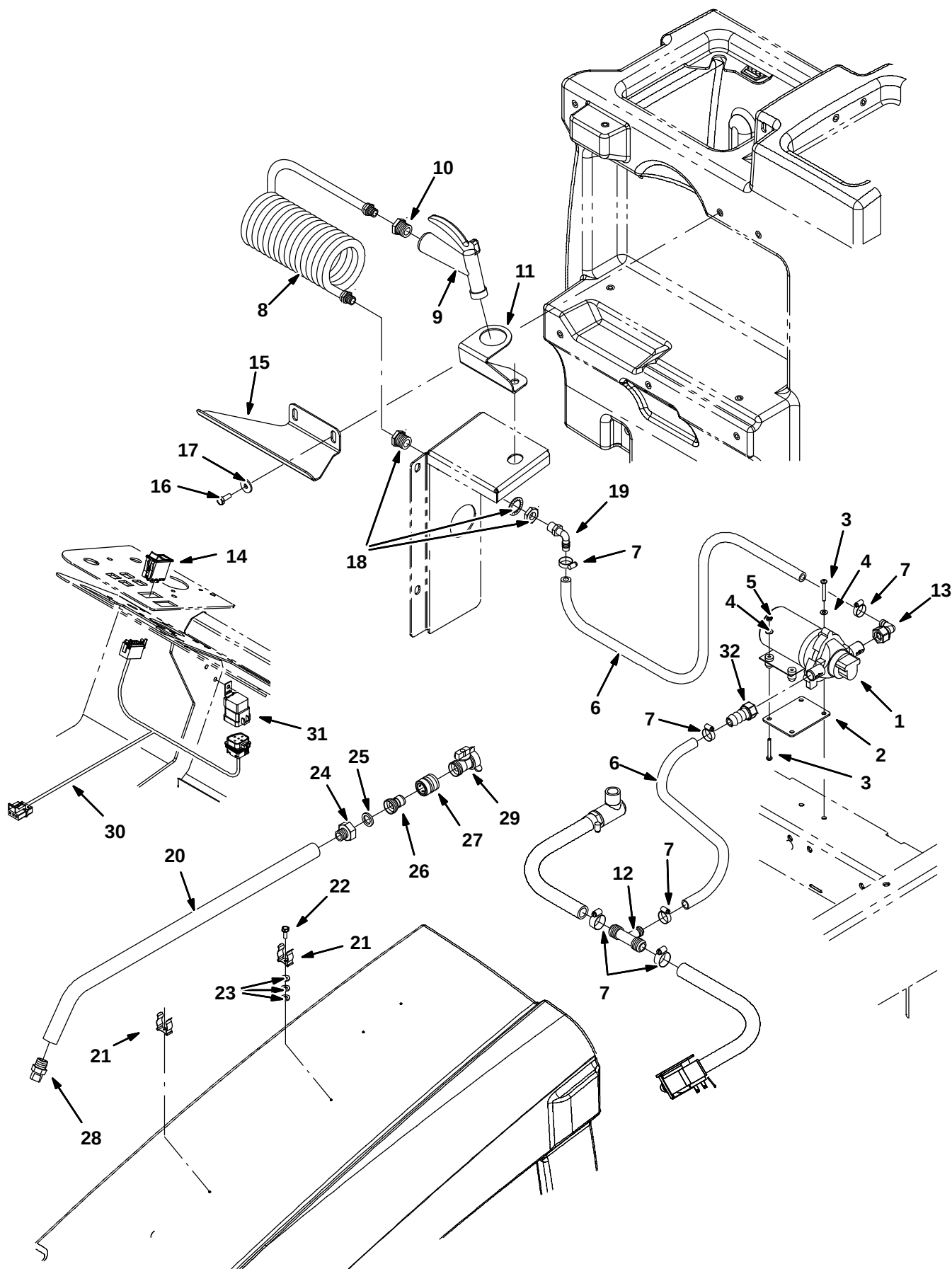


Fig. 31 – Spray Nozzle Kit

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001310	(000000–	) Nozzle Kit, Spray, Ci	1
▲	1	1026743	(000000–	) Pump, Diaphragm (See Breakdown)	1
▲	2	1027007	(000000–	) Plate, Mtg, Pump	1
▲	3	06939	(000000–	) Screw, Pan, M5 X 0.80 X 45, 4.8	4
▲	4	19066	(000000–	) Washer, Flat, #10	4
▲	5	06549	(000000–	) Nut, Hex, Lock, M5 X 0.80, NI	2
▲	6	1015045	(000000–	) Hose, Afmkt, Pvc, Brd, 0.75id, 08ft, Clr	1
▲	7	63810	(000000–	) Clamp, Hose, Wormdrive, 0.56–1.06d, .56w	6
▲	8	1019250	(000000–	) Hose, Water, Coil	1
▲	9	769785	(000000–	) Nozzle, Spray, Gun	1
▲	10	1027976	(000000–	) Fitting, Brs, Str, Pf06/Pm12	1
▲	11	1027237	(000000–	) Bracket, Mtg, Spray Handle	1
▲	12	385644	(000000–	) Fitting, Plstc, Tee, Bm08/Bm12/Bm12, Br	1
▲	13	1018499	(000000–	) Fitting, Plstc, E90, Bm08/Pf08s, Swivel	1
▲	14	398500	(000000–	) Switch, Rocker, Dpdt On/None/On	1
▲	15	1029790	(000000–	) Bracket, Mtg, Spray Wand [Fast, Conv]	1
▲	16	09740	(000000–	) Screw, Hex, M8 X 1.25 X 20, Ss	2
▲	17	1017218	(000000–	) Washer, Flat, 0.32b 1.00d .12, Ss	2
▲	18	1027978	(000000–	) Fitting, Brs, Str, Pf06/Pf06 Bh	1
▲	19	64778	(000000–	) Fitting, Plstc, E90, Bm08/Pm06	1
▲	20	1029055	(000000–	) Wand, Clean-Out	1
▲	21	1029057	(000000–	) Clip, Grip, Finger, .875–1.25	2
▲	22	20394	(000000–	) Screw, Hex, #10–16 X 0.62, Fmg [Ab]	2
▲	23	01683	(000000–	) Washer, Flat, #10, Ss	6
▲	24	375321	(000000–	) Fitting, Brs, Str, Pm08/Garden Hose	1
▲	25	01316	(000000–	) Washer, Flat, 0.66b 1.00d .12, Rbr	1
▲	26	1029153	(000000–	) Nipple, Hose	1
▲	27	1029155	(000000–	) Coupling, Nozzle, Spray	1
▲	28	1029156	(000000–	) Nozzle	1
▲	29	1029399	(000000–	) Valve, Shutoff	1
▲	30	1021881	(000000–	) Harness, Spray, Nozzle	1
▲	31	56186	(000000–	) Relay, 12vdc, 40a, Spdt N/O	1
▲	32	1018495	(000000–	) Fitting, Plstc, Str, Bm08/Pf08s, Swivel	1

Fig. 32 – Transport Group

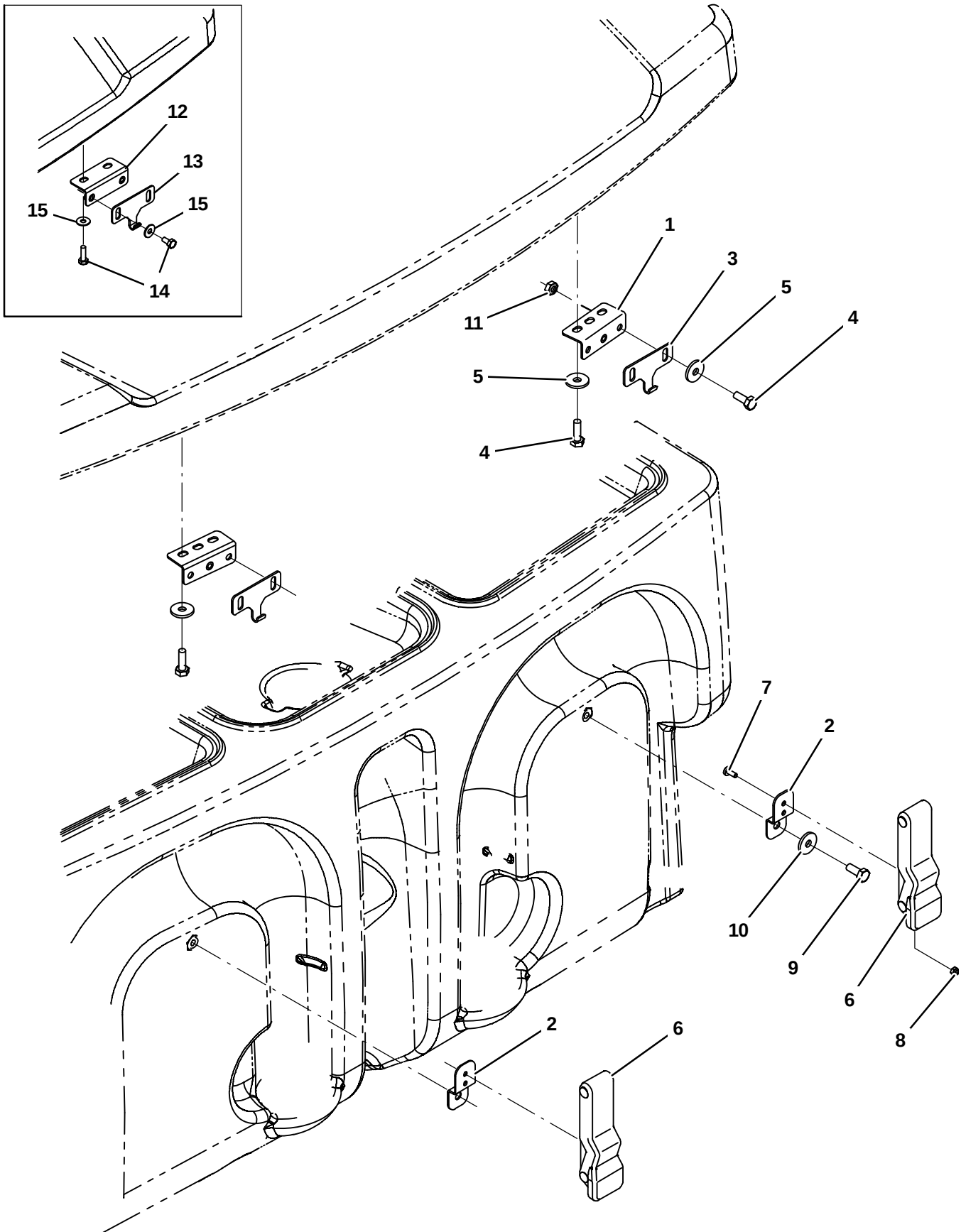


Fig. 32 – Transport Group

Ref.	Part No.	Serial Number	Description	Qty.
1	1040800	(002473–	) Bracket, Latch, Cover	2
2	1020526	(000000–	) Bracket, Retaining, Hose	2
3	1032896	(002473–	) Plate, Hook, Latch, [M20]	2
4	09744	(002473–	) Screw, Hex, M6 X 1.00 X 12, Ss	8
5	01684	(002473–	) Washer, Flat, 0.27b 0.69d .05, Ss	8
6	360824	(000000–	) Latch	2
7	09200	(000000–	) Screw, Pan, Phl, M5 X 0.80 X 12, Ss	4
8	09739	(000000–	) Nut, Hex, Lock, M5 X 0.80, NI, Ss	4
9	393135	(000000–	) Screw, Btn, M8 X 1.25 X 20, Blk	2
10	32491	(000000–	) Washer, Flat, 0.31, Std	2
11	08712	(002473–	) Nut, Hex, Lock, M6 X 1.00, NI, Ss	4
12	1032869	(000000–002472	) Bracket, Latch, Cover	2
13	1032896	(000000–002472	) Plate, Hook, Latch, [M20]	2
14	09744	(000000–002472	) Screw, Hex, M6 X 1.0 X 12, Ss	8
15	01684	(000000–002472	) Washer, Flat, 0.25, Ss	8

Fig. 33 – Squeegee Guard Kit

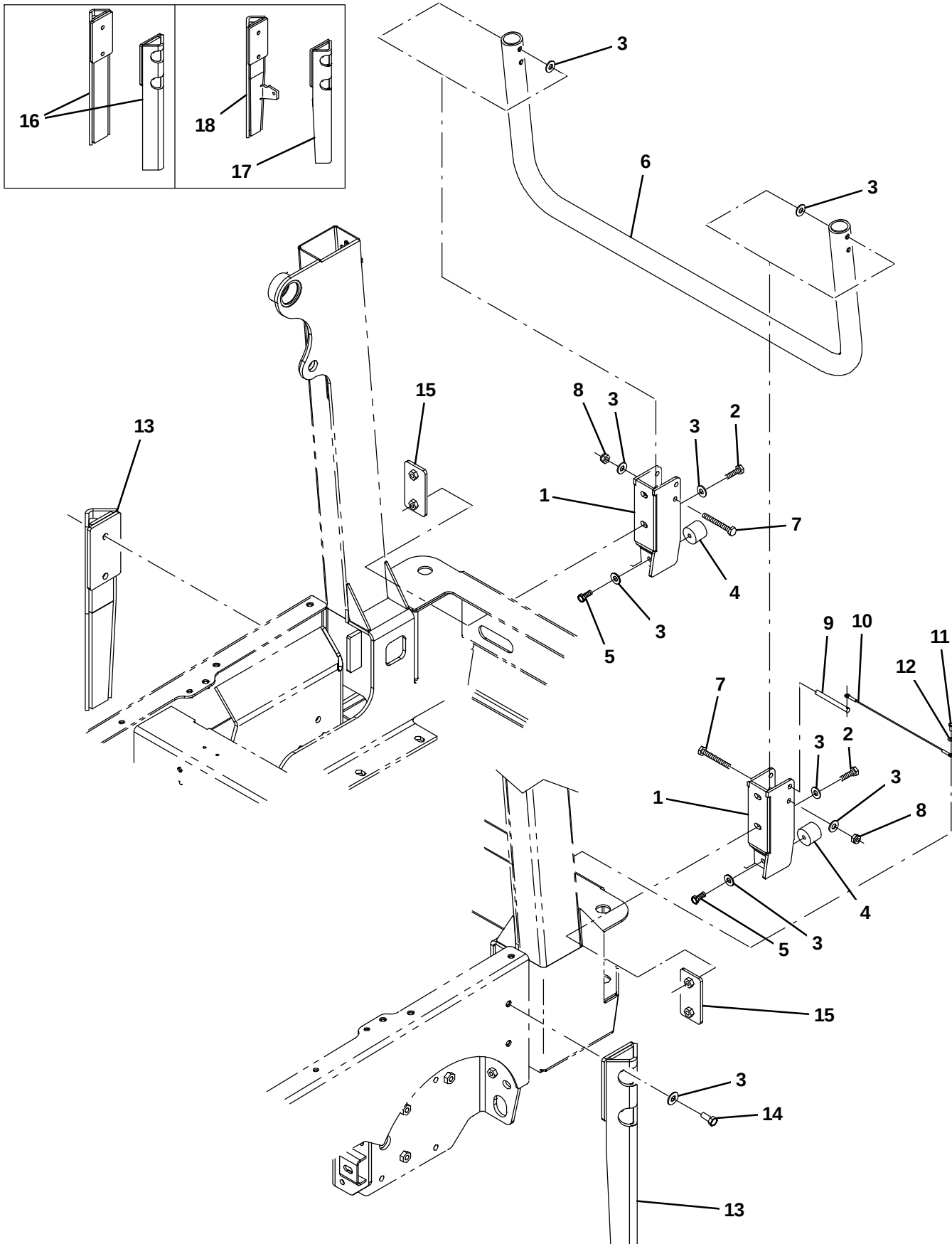
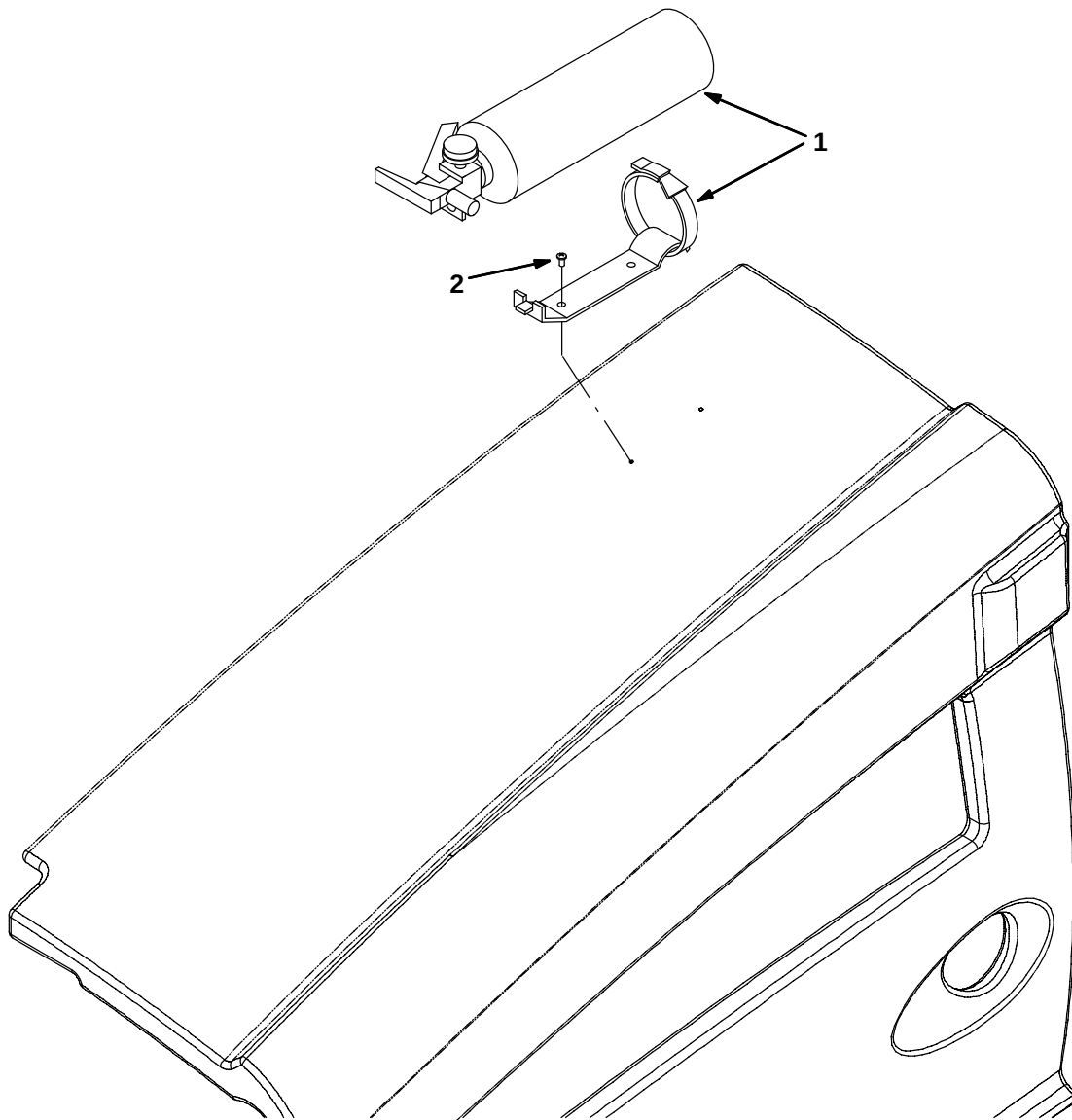


Fig. 33 – Squeegee Guard Kit

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9001338	(000000–	) Guard Kit, Sqge, Ci [M20]	1
▲	1	1027560	(000000–	) Bracket Wldt, Guard, Sqge	2
▲	2	39284	(000000–	) Screw, Hex, M10 X 1.5 X 35, 8.8	4
▲	3	32492	(000000–	) Washer, Flat, 0.38 Std	14
▲	4	1024977	(000000–	) Bumper, Ure, 1.50d 1.25l	2
▲	5	21196	(000000–	) Screw, Hex, .38–16 X 0.88, 5	2
▲	6	1056195	(000000–	) Guard Wldt, Pntd [M20/T20]	1
▲	7	06965	(000000–	) Screw, Hex, M10 X 1.5 X 80, 8.8	2
▲	8	41430	(000000–	) Nut, Hex, Lock, M10 X 1.5, NI	2
▲	9	369359	(000000–	) Pin, Hitch, .375d X 3.12l, PI	1
▲	10	57702	(000000–	) Cable, Glv .06d 012.0l .26eye /.26eye	1
▲	11	55845	(000000–	) Screw, Hex, M5 X 0.8 X 16, Fmg	1
▲	12	01683	(000000–	) Washer, Flat, #10, Ss	1
▲	13	1045444	(xxxxxx–	) Guard Wldt, Sqge [M20/T20/M30]	2
▲	14	06962	(000000–	) Screw, Hex, M10 X 1.5 X 45, 8.8	4
▲	15	1029543	(000000–	) Plate, Mtg	2
	16	1025663	(000000–002435	) Guard Wldt, Sqge	2
	17	1040863	(002436–xxxxxx	) Guard Wldt, Sqge [M20/T20 Lh, M30 Rh]	1
	18	1040871	(002436–xxxxxx	) Guard Wldt, Sqge [M20/T20 Rh, M30 Lh]	1

Fig. 34 – Fire Extinguisher Kit



354484

Ref.	Part No.	Serial Number	Description	Qty.
	9001316	(000000–	) Extinguisher Kit, Fire, Ci [M20 And T20]	1
1	25312	(000000–	) Extinguisher, Fire, 2.5 Lb Dry	1
2	382320	(000000–	) Screw, Pan, #12–16 X 0.50, F/ Plstc	2

Fig. 35 – Documentation Group

Ref.	Part No.	Serial Number	Description	Qty.
	331380	(000000–)	Manual, Oprtr [M20 Gas/Lpg En]	1
	1032578	(000000–)	Instr, Maint, Wall Chart [M20]	1
	331382	(000000–)	Manual, Oprtr [M20 Gas/Lpg, Es, Na]	1
	331383	(000000–)	Manual, Oprtr [M20 Gas/Lpg, Fr, Na]	1
	331381	(000000–)	Manual, Parts [M20 Gas/Lpg En]	1
	331385	(000000–)	Manual, Service [M20 En]	1
	1027759	(000000–)	Video, Oprtr, Dvd [W/Checklist M20]	1
	372863	(000000–001999)	Manual, Service, Eng[Gm1.6l Em Cert]	1
	371790	(000000–001999)	Manual, Service, Eng [Gm1.6l]	1
	9003926	(002000–)	Manual, Eng, Cd–Rom [Tier li,Gm1.6l]	1
	9006257	(000000–)	Media, Cd–Rom, Training [ec–H2O Tennant]	1

SECTION 4

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Fig. 1 – Extended Scrub Pump Breakdown, 1021210

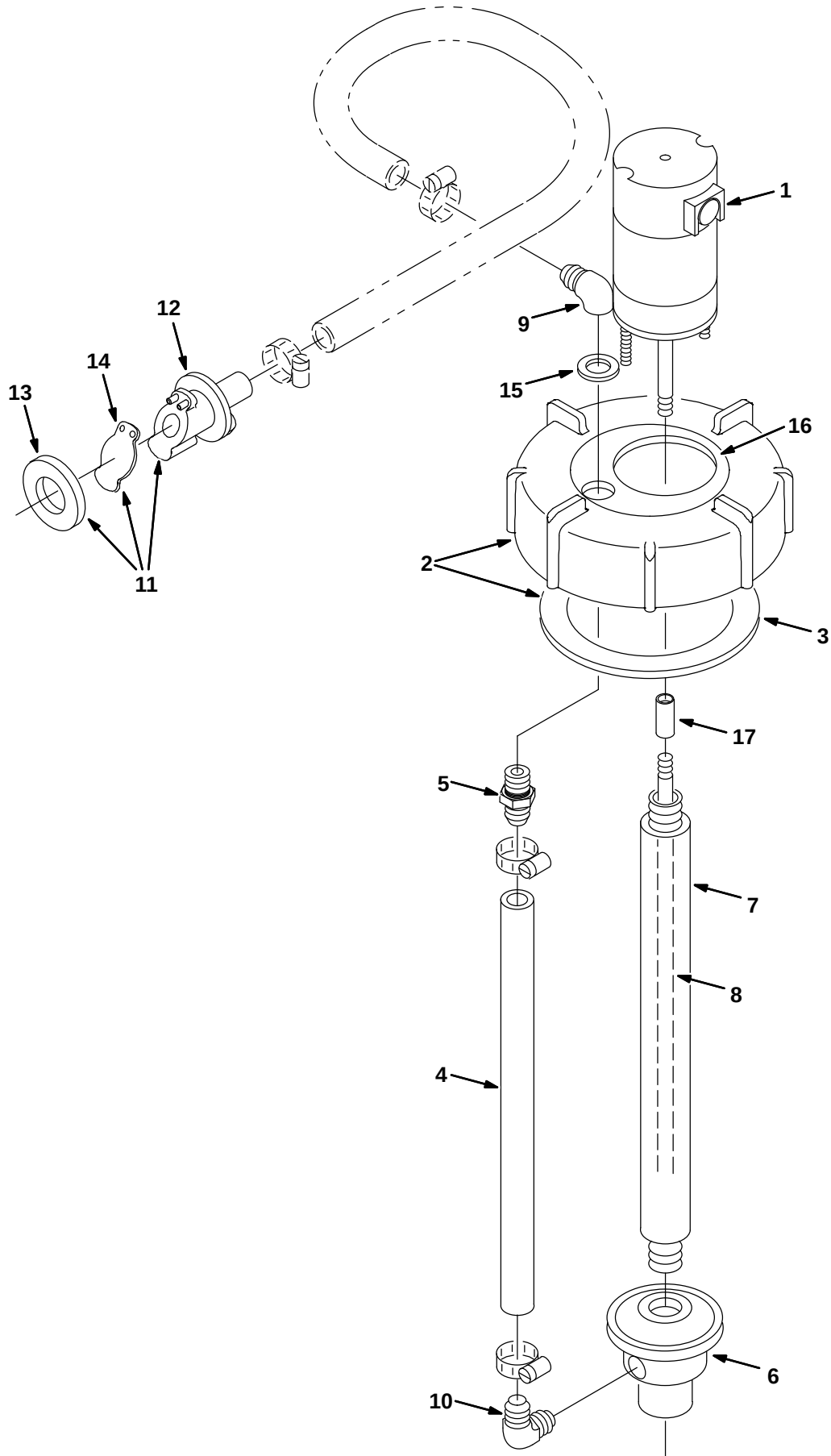


Fig. 1 - Extended Scrub Pump Breakdown, 1021210

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1021210	(000000-	) Pump Assy, Column, Es	1
▲▽	1	9002708	(000000-	) Motor, Ele, 12vdc, Pump, Water	1
▲▲		78829	(000000-	) Kit, Brush, Motor, Ele	1
▲▽	2	24358	(000000-	) Cap Assy, Tank, Drain	1
▲▲	3	1031699	(000000-	) Gasket, 4.05id 5.29od .19 [Buna]	1
▲	4	78833	(000000-	) Tube, Vinyl, Pump, Water	1
▲	5	78398	(000000-	) Fitting, Plstc, Str, Bm12/Pm08, Nyl	1
▲	6	78843	(000000-	) Housing Kit, Pump, Water	1
▲	7	78836	(000000-	) Column, Pump, Water	1
▲	8	9002709	(000000-	) Shaft, Pump, Water	1
▲	9	78838	(000000-	) Fitting, E, Gr	1
▲	10	78839	(000000-	) Fitting, Plstc, E90, Pf Bm [Es Pump]	1
▲▽	11	78842	(000000-	) Kit, Valve, Check, Pump, Water	1
▲▲	12	78840	(000000-	) Valve, Check, Pump, Water	1
▲▲	13	73342	(000000-	) Gasket, .25 1.88d 1.0id [Poron]	1
▲▲	14	78841	(000000-	) Flapper, Valve, Pump, Water	1
▲	15	78830	(000000-	) Washer, Rbr	1
▲	16	22790	(000000-	) Insert, Cap, Mount, Es Pump	1
▲	17	23285	(000000-	) Sleeve, Pump, Water	1

Fig. 2 – Hydraulic Motor Breakdown, 379609

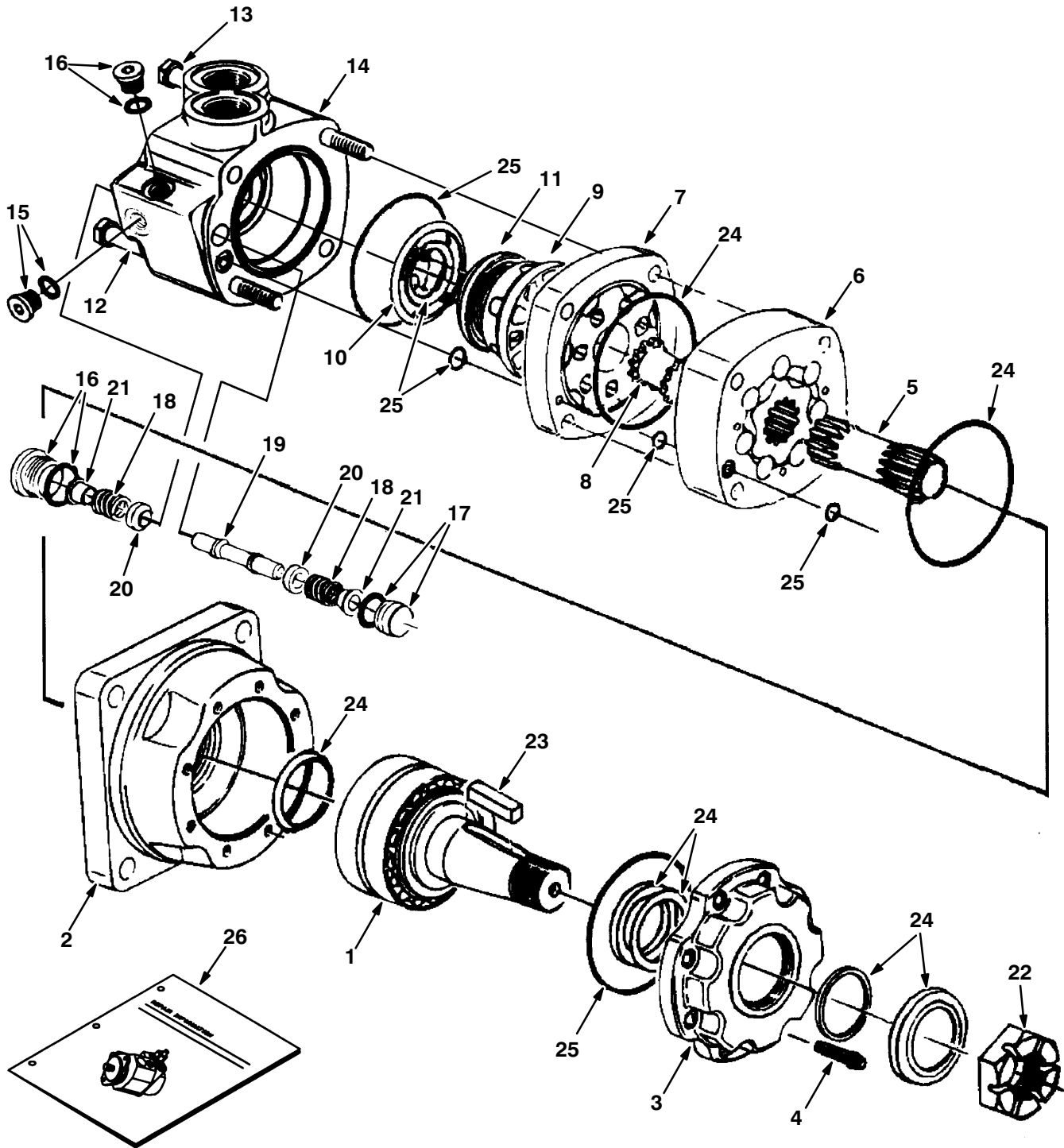


Fig. 2 – Hydraulic Motor Breakdown, 379609

	Ref.	Part No.	Serial Number	Description	Qty.
▽		379609	(000000-	) Motor, Hyd, Gear, [Int], 19.0 X 3000	1
▲	1	74165	(000000-	) Shaft, Motor, Hyd	1
▲	2	74166	(000000-	) Housing, Brg, Motor, Hyd	1
▲	3	74167	(000000-	) Retainer, Motor, Hyd	1
▲	4	74168	(000000-	) Screw, Cap, Motor, Hyd	8
▲	5	37616	(000000-	) Drive, Motor, Hyd	1
▲	6	37756	(000000-	) Geroler, Motor, Hyd	1
▲	7	74122	(000000-	) Plate, Valve, Motor, Hyd	1
▲	8	52405	(000000-	) Valve, Motor, Hyd	1
▲	9	74123	(000000-	) Valve, Motor, Hyd	1
▲	10	34178	(000000-	) Spring, Motor, Hyd	2
▲	11	38968	(000000-	) Ring, Motor, Hyd	1
▲	12	74125	(000000-	) Bolt, Motor, Hyd	3
▲	13	38255	(000000-	) Bolt, Motor, Hyd	1
▲	14	373297	(000000-	) Housing, Valve	1
▲	15	373298	(000000-	) Plug	1
▲	16	373260	(000000-	) Plug, Pump, Hyd, Gear	2
▲	17	373299	(000000-	) Plug	1
▲	18	373291	(000000-	) Spring	2
▲	19	373217	(000000-	) Piston, Pump, Hyd, Gear	1
▲	20	373226	(000000-	) Poppet, Pump, Hyd, Gear	2
▲	21	373236	(000000-	) Sleeve, Dashpo, Pump, Hyd, Gear	2
▲	22	45622	(000000-	) Nut, Motor, Hyd	1
▲	23	45623	(000000-	) Key, Motor, Hyd	1
▲	24	79828	(000000-	) Kit, Seal, Motor, Hyd	1
▲	25	33580	(000000-	) Kit, Seal, Motor, Hyd	1
	26	79729	(000000-	) Instr, Repair, Motor, Hyd, Gear	1

Fig. 3 – Hydraulic Pump Breakdown, 1024251

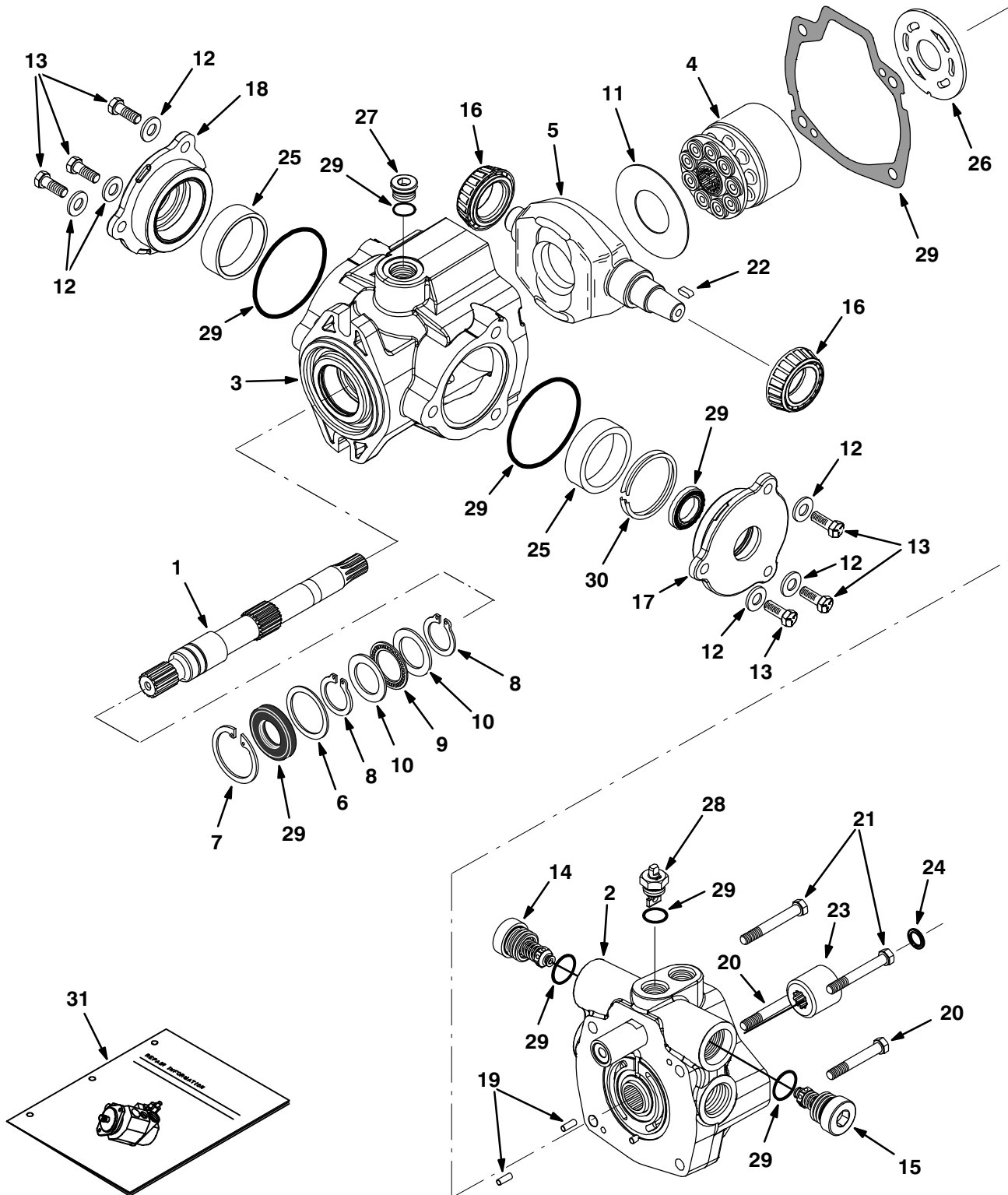
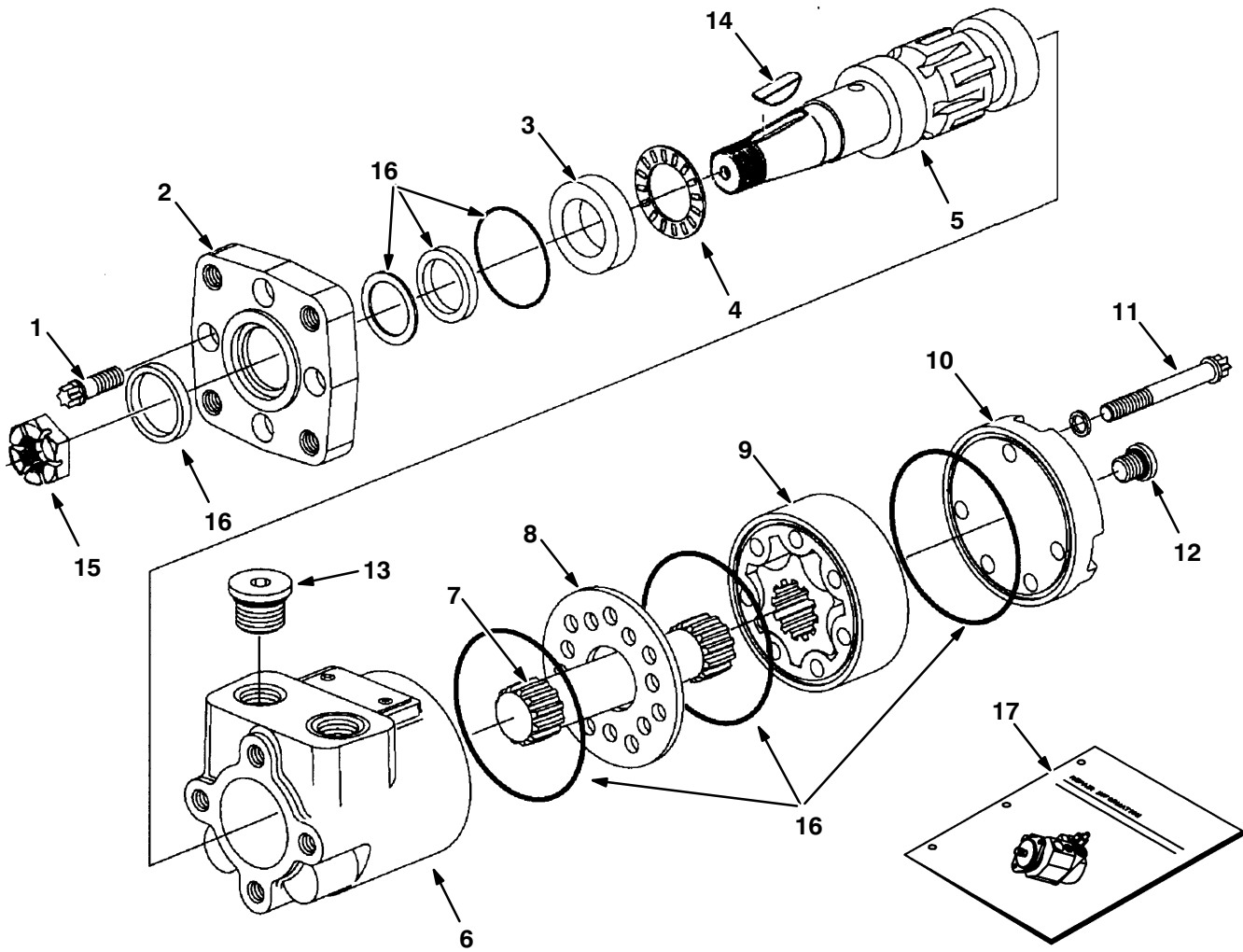


Fig. 3 – Hydraulic Pump Breakdown, 1024251

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1024251	(000000–	) Pump, Hyd, Piston, Var, 1.24 4000, Cw	1
▲	1	373681	(000000–	) Shaft, Pump	1
▲	2	373427	(000000–	) Cover, End	1
▲	3	373389	(000000–	) Housing	1
▲	4	02706	(000000–	) Pump Kit, Hyd, Rotating [Cessna]	1
▲	5	373493	(000000–	) Plate, Cam	1
▲	6	70096	(000000–	) Washer, Flat, Pump, Hyd	1
▲	7	55926	(000000–	) Ring, Retaining, Pump, Hyd	1
▲	8	373434	(000000–	) Ring, Retaining	2
▲	9	74225	(000000–	) Bearing, Thrust, Pump, Hyd	1
▲	10	74226	(000000–	) Race, Brg, Pump, Hyd	2
▲	11	373327	(000000–	) Insert, Plt, Cam, Pump, Hyd	1
▲	12	373391	(000000–	) Washer, Pump, Hyd [En]	6
▲	13	373346	(000000–	) Screw, Cap	6
▲	14	373494	(000000–	) Valve, Relief, 4000 Psi	1
▲	15	373678	(000000–	) Valve, Relief, 3000 Psi	1
▲	16	373317	(000000–	) Bearing, Cone, Pump, Hyd	2
▲	17	373393	(000000–	) Plate, Cover	1
▲	18	373394	(000000–	) Plate, Cover	1
▲	19	70100	(000000–	) Pin, Dowel, Pump, Hyd	2
▲	20	373347	(000000–	) Screw, Cap	2
▲	21	373348	(000000–	) Screw, Cap	2
▲	22	74237	(000000–	) Key, Shaft, Pump, Hyd	1
▲	23	373679	(000000–	) Coupler, Pump	1
▲	24	373680	(000000–	) Ring, Lock	1
▲	25	373395	(000000–	) Bearing, Cup	2
▲	26	74180	(000000–	) Plate, Valve, Pump, Hyd	1
▲	27	13907	(000000–	) Fitting, Hyd, Plug, Om08	1
▲	28	373413	(000000–	) Actuator, Valve, By-Pass [En]	1
▲	29	373398	(000000–	) Seal Kit, Pump, Hyd	1
▲	30	373402	(000000–	) Shim Kit	1
	31	373429	(000000–	) Instr, Repair, Pump	1

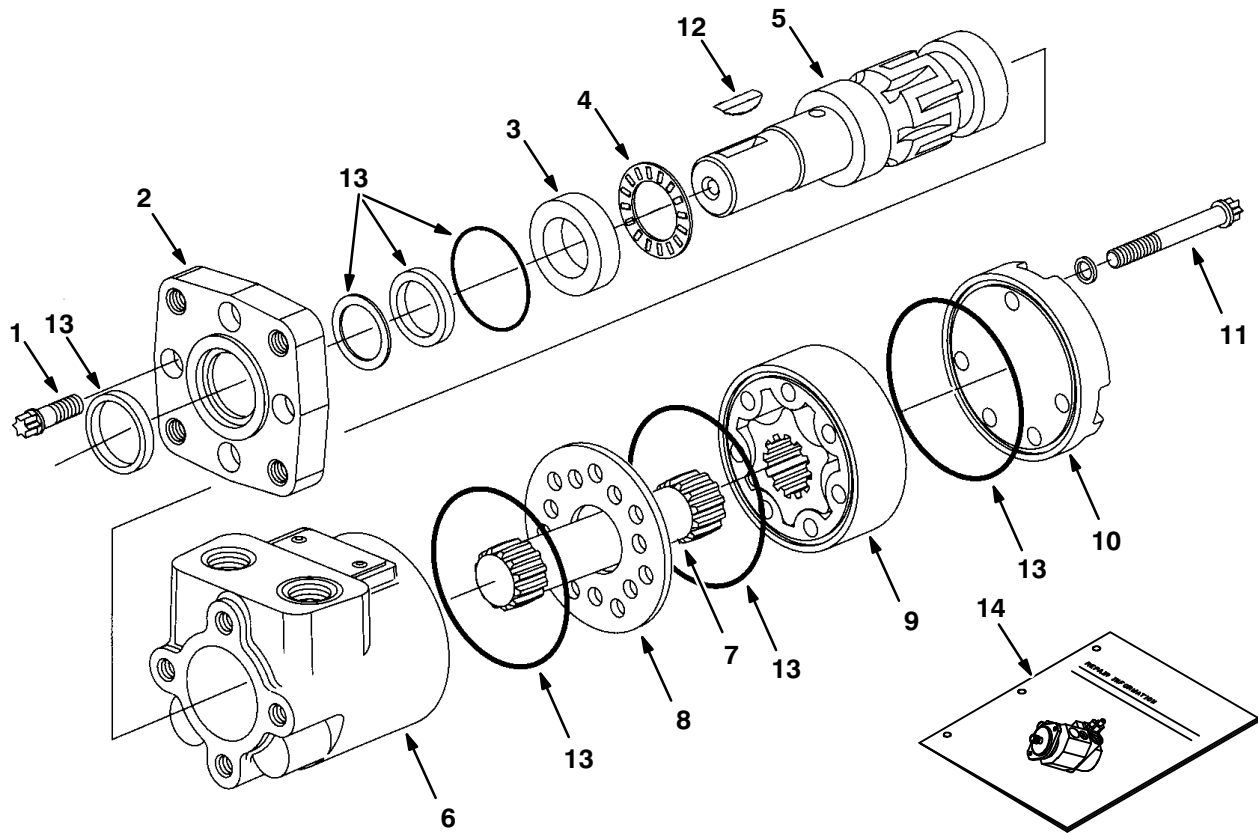
Fig. 4 – Hydraulic Motor Breakdown, 71729



09606-09670- ALL

Ref.	Tennant Part No.	Manufacturer Serial Number	Description	Qty.
▽	71729	(000000-)	Motor, Hyd Gear In 4.5 B 1500	1
▲ 1	37555	(000000-)	Screw	4
▲ 2	31354	(000000-)	Flange Mounting	1
▲ 3	16695	(000000-)	Race Thrust	1
▲ 4	45628	(000000-)	Thrust Bearing	1
▲ 5	31375	(000000-)	Shaft, Output	1
▲ 6	74100	(000000-)	Housing	1
▲ 7	31379	(000000-)	Drive	1
▲ 8	74094	(000000-)	Spacer Plate	1
▲ 9	31383	(000000-)	Gerotor Set	1
▲ 10	74095	(000000-)	End Cap	1
▲ 11	65241	(000000-)	Cap Screw	5
▲ 12	74098	(000000-)	Plug #4	1
▲ 13	74099	(000000-)	Plug #10	2
▲ 14	00500-15	(000000-)	Key-Wdruff 0.25 1.00	1
▲ 15	39527	(000000-)	Nut-Hxslot .75-16 Pltd	1
▲ 16	61490	(000000-)	Seal Replmt Kit	1
▲ 17	74250	(000000-)	Instr. Repair Info, Motor	1

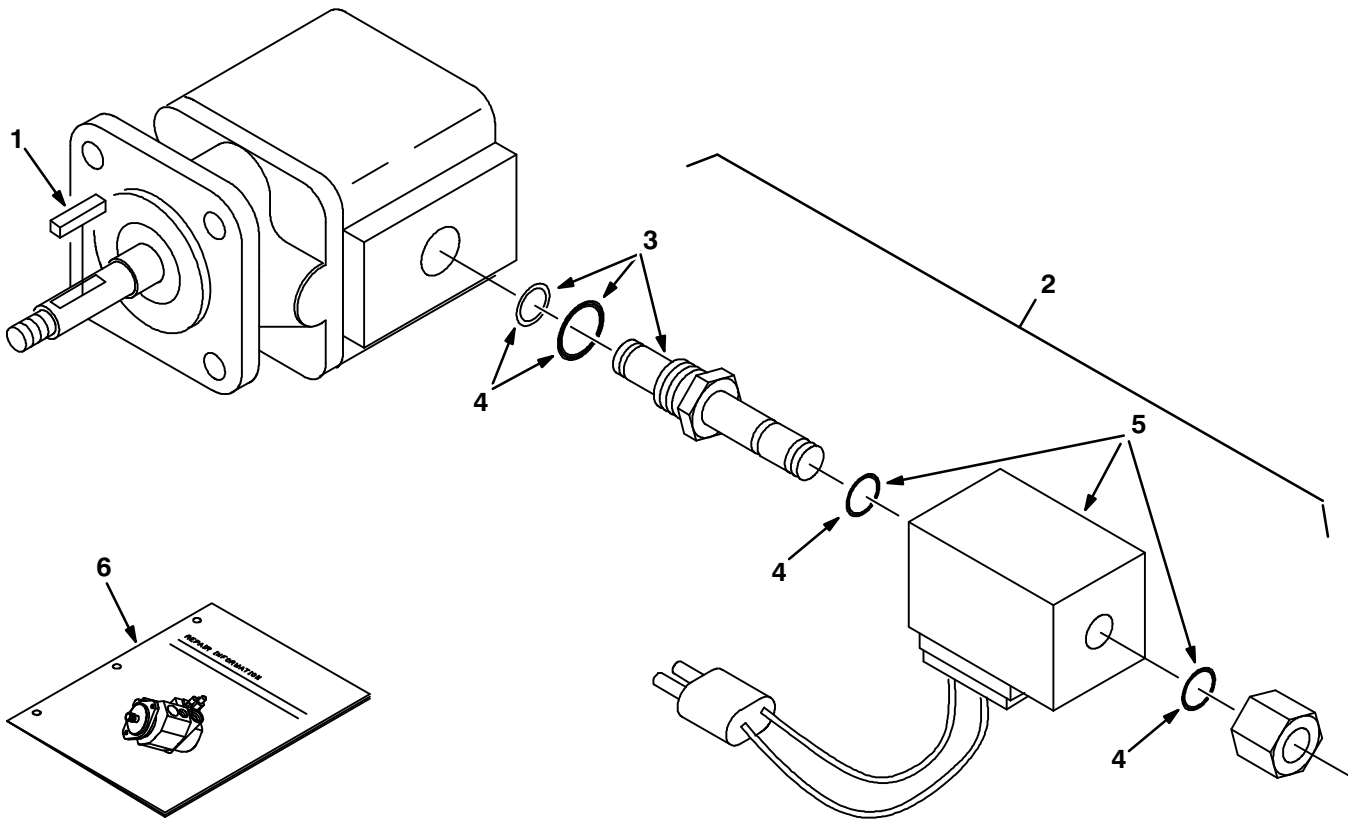
Fig. 5 – Hydraulic Motor Breakdown, 1029379



10859-09670- ALL

Ref.	Part No.	Serial Number	Description	Qty.
▽	1029379	(000000-	) Motor, Hyd, Gear, Int 08.9 Bi-Dir 2500	1
▲	1	37555	(000000-) Screw, Motor, Hyd [En]	4
▲	2	31354	(000000-) Flange, Motor, Hyd [En]	1
▲	3	16695	(000000-) Ace, Thrust, Motor, Hyd [En]	1
▲	4	45628	(000000-) Bearing, Thrust	1
▲	5	28854	(000000-) Shaft, Output, Motor, Hyd [En]	1
▲	6	74100	(000000-) Housing, Motor, Hyd [En]	1
▲	7	21955	(000000-) Drive [CI]	1
▲	8	74094	(000000-) Plate, Spacer, Motor, Hyd [En]	1
▲	9	21956	(000000-) Gerotor Set [CI]	1
▲	10	65230	(000000-) End Cap, Motor, Hyd [En]	1
▲	11	21958	(000000-) Cap Screw CI	5
▲	12	00500-15	(000000-) Key, Woodruff, 0.25 1.00 [Asa#0808]	1
▲	13	61490	(000000-) Seal Kit, Motor [CI]	1
▲	14	74250	(000000-) Instr, Motor, Hyd, Repair [En]	1

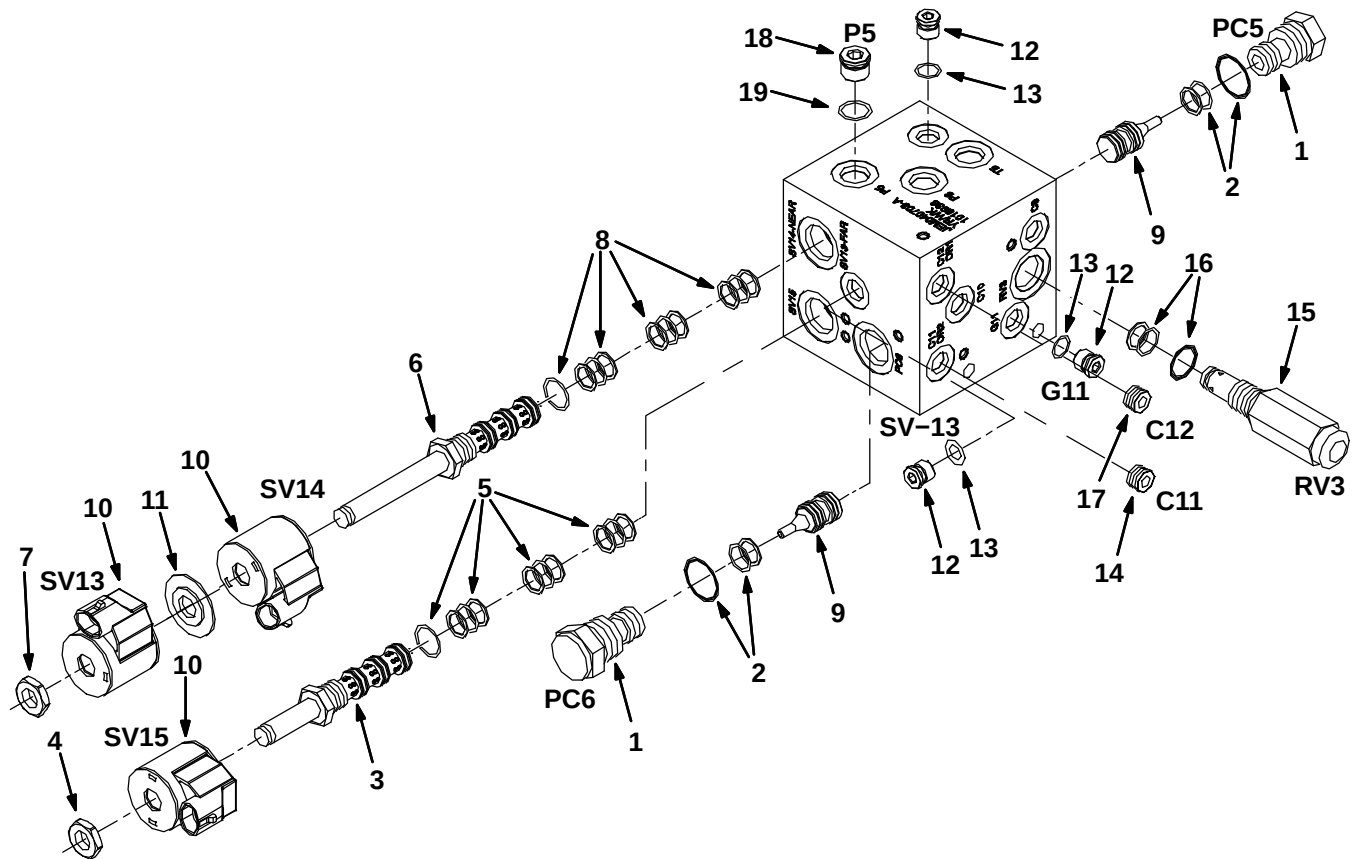
Fig. 6 – Hydraulic Motor Breakdown, 53485



07490 – 09670

Ref.	Part No.	Serial Number	Description	Qty.
▽	53485	(000000–	) Motor, Hyd, Gear, Ext 0.19 Rh 3000	1
▲	74233	(000000–	) Kit, Seal, Motor, Hyd, Gear[Barns]	1
▲	1 00966	(000000–	) Key, Sq, 0.12 X 0.12, 0.75l	1
▲▽	2 54095	(000000–	) Valve, Hyd Cartridge 10no/–0	1
▲▲	3 59378	(000000–	) Valve Stem, N.O.Valve, Hyd	1
▲▲	4 48813	(000000–	) Kit, Seal, Valve, Hyd [Cec]	1
▲▲	5 35493	(000000–	) Solenoid, 12v, Valve, Hyd [Cec]	1
	6 IB3614	(000000–	) Instr, Seal Kit, Motor	1

Fig. 7 – Hydraulic Valve Breakdown, 1018936



ALL

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1018936	(000000–)	Valve, Cntrl, Hyd [M20]	1
▲▽	1	373656	(000000–)	Valve, Check	2
▲▲	2	373647	(000000–)	Seal Kit, Cartridge	1
▲▽	3	373657	(000000–)	Stem, Valve, Hyd, 4w2p	1
▲▲	4	373648	(000000–)	Nut, Coil, F/#8	1
▲▲	5	373647	(000000–)	Seal Kit, Cartridge	1
▲▽	6	373637	(000000–)	Valve, Cntrl, Solenoid	1
▲▲	7	373648	(000000–)	Nut, Coil, F/#8	1
▲▲	8	373647	(000000–)	Seal Kit, Cartridge	1
▲	9	373658	(000000–)	Spool, Pilot, Hyd	2
▲	10	373640	(000000–)	Solenoid, #8, 12vdc	3
▲	11	373639	(000000–)	Spacer, Coil, #8	1
▲▽	12	74098	(000000–)	Fitting, Hyd, Plug, Om04	3
▲▲	13	77003	(000000–)	Seal, Org, .072 X 00.35id #04	1
▲	14	373633	(000000–)	Plug, Orifice, Valve, Hyd, .040	1
▲▽	15	373659	(000000–)	Valve, Hyd, Relief	1
▲▲	16	373647	(000000–)	Seal Kit, Cartridge	1
▲	17	373660	(000000–)	Plug, Orifice, Valve, Hyd, .030	1
▲▽	18	13904	(000000–)	Fitting, Plug, Org, #6, Valve [Cec]	1
▲▲	19	77005	(000000–)	Seal, Org, .078 X 00.47id #06	1

Fig. 8 – Hydraulic Valve Breakdown, 1018938

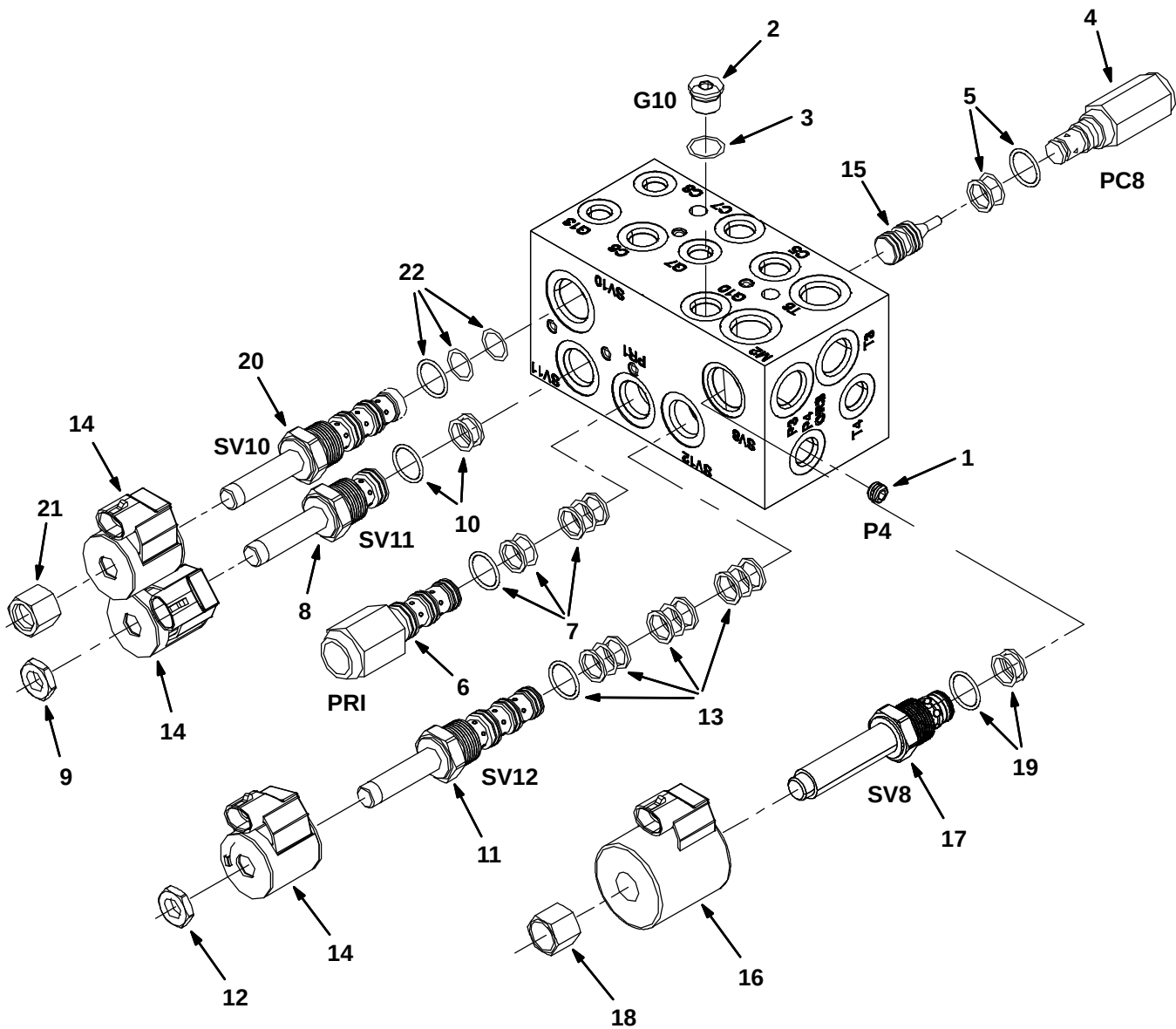


Fig. 8 – Hydraulic Valve Breakdown, 1018938

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1018938	(000000–	) Valve, Cntrl, Hyd [M20 And T20]	1
▲	1	373633	(000000–	) Plug, Orifice, Valve, Hyd, .040	1
▲▽	2	13904	(000000–	) Fitting, Plug, Org, #6, Valve [Cec]	1
▲▲	3	77005	(000000–	) Seal, Org, .078 X 00.47id #06	1
▲▽	4	373656	(000000–	) Valve, Check	1
▲▲	5	373647	(000000–	) Seal Kit, Cartridge	1
▲▽	6	373661	(000000–	) Valve, Relief	1
▲▲	7	373647	(000000–	) Seal Kit, Cartridge	1
▲▽	8	373662	(000000–	) Stem, Valve, Hyd	1
▲▲	9	373648	(000000–	) Nut, Coil, F/#8	1
▲▲	10	373647	(000000–	) Seal Kit, Cartridge	1
▲▽	11	373657	(000000–	) Stem, Valve, Hyd, 4w2p	1
▲▲	12	373648	(000000–	) Nut, Coil, F/#8	1
▲▲	13	373647	(000000–	) Seal Kit, Cartridge	1
▲	14	373640	(000000–	) Solenoid, #8, 12vdc	3
▲	15	373658	(000000–	) Spool, Pilot, Hyd	1
▲	16	373642	(000000–	) Solenoid, #10, 12vdc	1
▲▽	17	373663	(000000–	) Valve, Stem, No	1
▲▲	18	373670	(000000–	) Nut, Solenoid	1
▲▲	19	373646	(000000–	) Seal Kit, Cartridge	1
▲▽	20	373664	(000000–	) Cartridge, Psi Cntrl, Valve, Hyd	1
▲▲	21	373673	(000000–	) Nut, Solenoid	1
▲▲	22	373672	(000000–	) Seal Kit, Cartridge	1

Fig. 9 – Hydraulic Valve Breakdown, 1037805

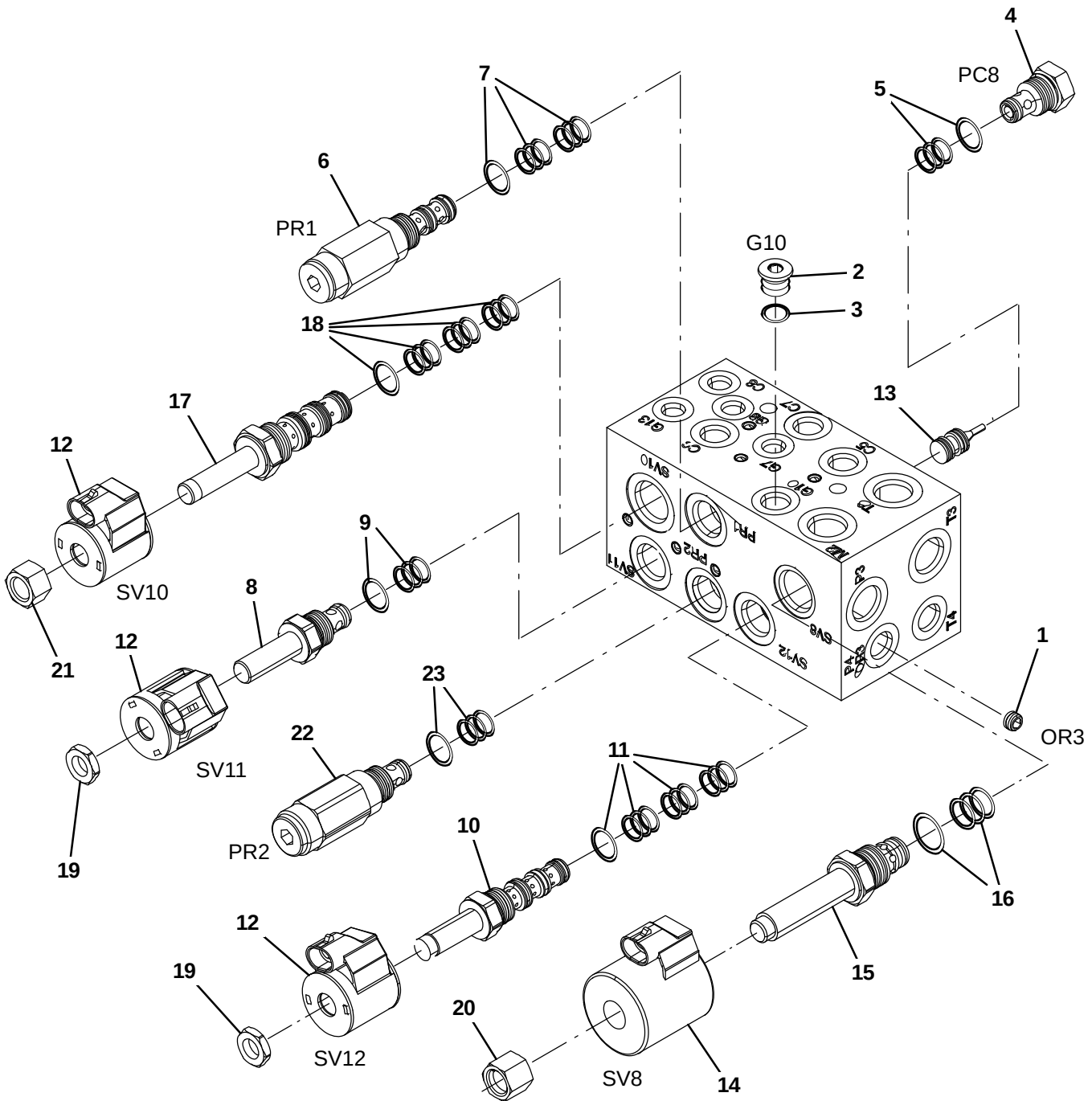


Fig. 9 – Hydraulic Valve Breakdown, 1037805

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1037805	(000000–	) Valve, Cntrl, Hyd, Solenoid, 03/16gpm	1
▲	1	373633	(000000–	) Plug, Orifice, Valve, Hyd, .040	1
▲▽	2	13904	(000000–	) Fitting, Plug, Org, #6, Valve [Cec]	1
▲▲	3	77005	(000000–	) Seal, Org, .078 X 00.47id 06	1
▲▽	4	373656	(000000–	) Valve, Check	1
▲▲	5	373647	(000000–	) Seal Kit, Cartridge	1
▲▽	6	373683	(000000–	) Valve, Relief	1
▲▲	7	373647	(000000–	) Seal Kit, Cartridge	1
▲▽	8	373662	(000000–	) Stem, Valve, Hyd	1
▲▲	9	373647	(000000–	) Seal Kit, Cartridge	1
▲▽	10	373657	(000000–	) Stem, Valve, Hyd [4w2p]	1
▲▲	11	373647	(000000–	) Seal Kit, Cartridge	1
▲	12	373640	(000000–	) Solenoid, #8, 12vdc	1
▲	13	373658	(000000–	) Spool, Pilot, Hyd	1
▲	14	373642	(000000–	) Solenoid, #10, 12vdc	3
▲▽	15	373663	(000000–	) Valve, Stem, No	1
▲▲	16	373646	(000000–	) Seal Kit, Cartridge	1
▲▽	17	373664	(000000–	) Cartridge, Psi Cntrl, Valve, Hyd	1
▲▲	18	373672	(000000–	) Seal Kit, Cartridge	1
▲	19	373684	(000000–	) Nut, Coil, Nyl Patch	1
▲	20	373685	(000000–	) Nut, Coil, Nyl Patch	1
▲	21	373686	(000000–	) Nut, Coil, Nyl Patch	1
▲▽	22	1047625	(000000–	) Valve, Relief	1
▲▲	23	373647	(000000–	) Seal Kit, Cartridge	1

Fig. 10 – Hydraulic Valve Breakdown, 1020394

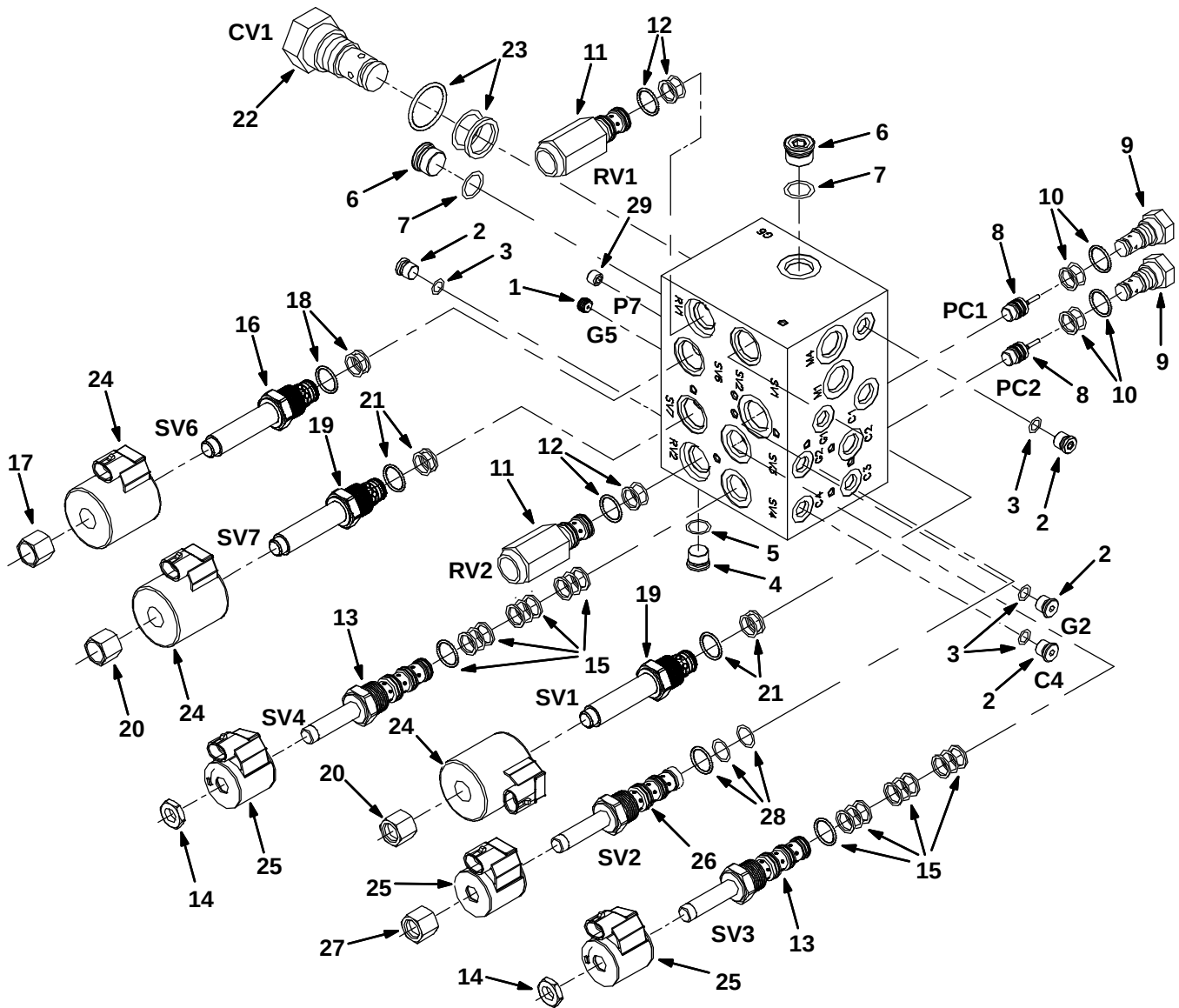


Fig. 10 – Hydraulic Valve Breakdown, 1020394

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1020394	(000000–	) Valve, Cntrl, Hyd	1
▲	1	373665	(000000–	) Plug, Orifice, Valve, Hyd, .046	1
▲▽	2	74098	(000000–	) Fitting, Hyd, Plug, Om04	4
▲▲	3	77003	(000000–	) Seal, Org, .072 X 00.35id #04	1
▲▽	4	13904	(000000–	) Fitting, Plug, Org, #6, Valve [Cec]	1
▲▲	5	77005	(000000–	) Seal, Org, .078 X 00.47id #06	1
▲▽	6	13907	(000000–	) Fitting, Hyd, Plug, Om08	2
▲▲	7	77006	(000000–	) Seal, Org, .087 X 00.64id #08	2
▲	8	373658	(000000–	) Spool, Pilot, Hyd	2
▲▽	9	373631	(000000–	) Valve, Check	2
▲▲	10	373647	(000000–	) Seal Kit, Cartridge	1
▲▽	11	373666	(000000–	) Valve, Relief	2
▲▲	12	373647	(000000–	) Seal Kit, Cartridge	1
▲▽	13	373657	(000000–	) Stem, Valve, Hyd, 4w2p	2
▲▲	14	373648	(000000–	) Nut, Coil, F/#8	1
▲▲	15	373647	(000000–	) Seal Kit, Cartridge	1
▲▽	16	373667	(000000–	) Stem, Valve, Hyd	1
▲▲	17	373648	(000000–	) Nut, Coil, F/#8	1
▲▲	18	373646	(000000–	) Seal Kit, Cartridge	1
▲▽	19	373663	(000000–	) Valve, Stem, No	2
▲▲	20	373670	(000000–	) Nut, Solenoid	1
▲▲	21	373646	(000000–	) Seal Kit, Cartridge	1
▲▽	22	373668	(000000–	) Valve, Check	1
▲▲	23	373671	(000000–	) Seal Kit, Cartridge	1
▲	24	373642	(000000–	) Solenoid, #10, 12vdc	3
▲	25	373640	(000000–	) Solenoid, #8, 12vdc	3
▲▽	26	373664	(000000–	) Cartridge, Psi Cntrl, Valve, Hyd	1
▲▲	27	373673	(000000–	) Nut, Solenoid	1
▲▲	28	373672	(000000–	) Seal Kit, Cartridge	1
▲	29	373669	(000000–	) Plug, Orifice, Valve, Hyd, .063	1

Fig. 11 – Hydraulic Valve Breakdown, 1038566

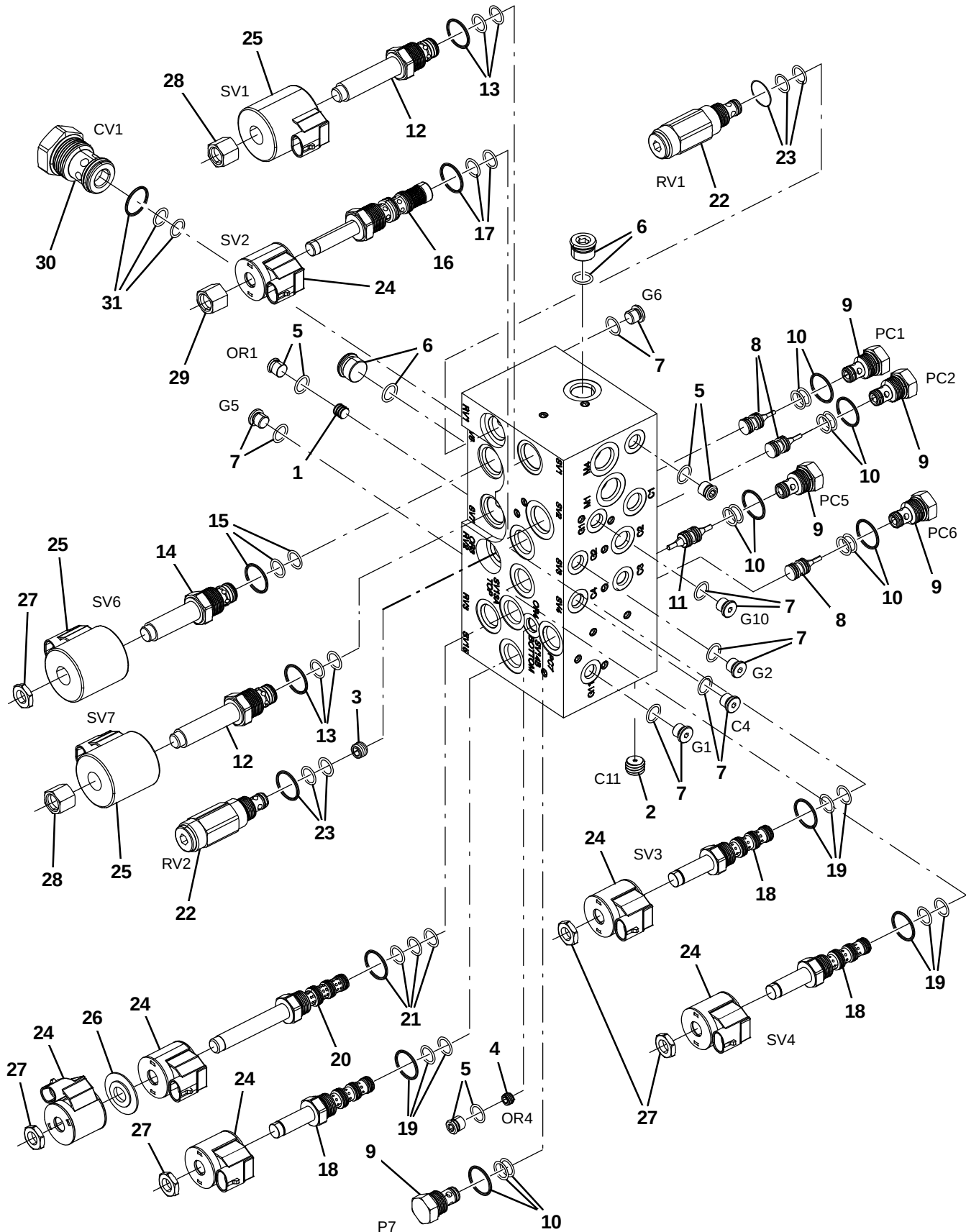


Fig. 11 – Hydraulic Valve Breakdown, 1038566

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1038566	(000000–	) Valve, Hyd, Solenoid, 12vdc	1
▲	1	373665	(000000–	) Plug, Orifice, Valve, Hyd, .046	1
▲	2	373633	(000000–	) Plug, Orifice, Valve, Hyd, .040	1
▲	3	9004475	(000000–	) Plug Orifice, Valve, Hyd, .140	1
▲	4	373660	(000000–	) Plug, Orifice, Valve, Hyd, .030	1
▲	5	74098	(000000–	) Fitting, Hyd, Plug, Om04	1
▲	6	13904	(000000–	) Fitting, Plug, Org, #6, Valve [Cec]	2
▲	7	74098	(000000–	) Fitting, Hyd, Plug, Om04	6
▲	8	373658	(000000–	) Spool, Pilot, Hyd	3
▲▽	9	373656	(000000–	) Valve, Check	5
▲▲	10	373647	(000000–	) Seal Kit, Cartridge	1
▲	11	373688	(000000–	) Spool, Pilot, Dual, Hyd	1
▲▽	12	373663	(000000–	) Valve, Stem, No	2
▲▲	13	373671	(000000–	) Seal Kit, Cartridge	1
▲▽	14	373667	(000000–	) Stem, Valve, Hyd	1
▲▲	15	373671	(000000–	) Seal Kit, Cartridge	1
▲▽	16	373664	(000000–	) Cartridge, Psi Cntrl, Valve, Hyd	1
▲▲	17	373672	(000000–	) Seal Kit, Cartridge	1
▲▽	18	373657	(000000–	) Stem, Valve, Hyd [4w2p]	3
▲▲	19	373647	(000000–	) Seal Kit, Cartridge	1
▲▽	20	373637	(000000–	) Valve, Cntrl, Solenoid	1
▲▲	21	373671	(000000–	) Seal Kit, Cartridge	1
▲▽	22	373666	(000000–	) Valve, Relief	2
▲▲	23	373647	(000000–	) Seal Kit, Cartridge	1
▲	24	373640	(000000–	) Solenoid, #8, 12vdc	6
▲	25	373642	(000000–	) Solenoid, #10, 12vdc	3
▲	26	373639	(000000–	) Spacer, Coil, #8	1
▲	27	373684	(000000–	) Nut, Coil, Nyl Patch	5
▲	28	373685	(000000–	) Nut, Coil, Nyl Patch	2
▲	29	373686	(000000–	) Nut, Coil, Nyl Patch	1
▲	30	373668	(000000–	) Valve, Check	1
▲	31	373671	(000000–	) Seal Kit, Cartridge	1

Fig. 12 – Hydraulic Steering Valve Breakdown, 1024260

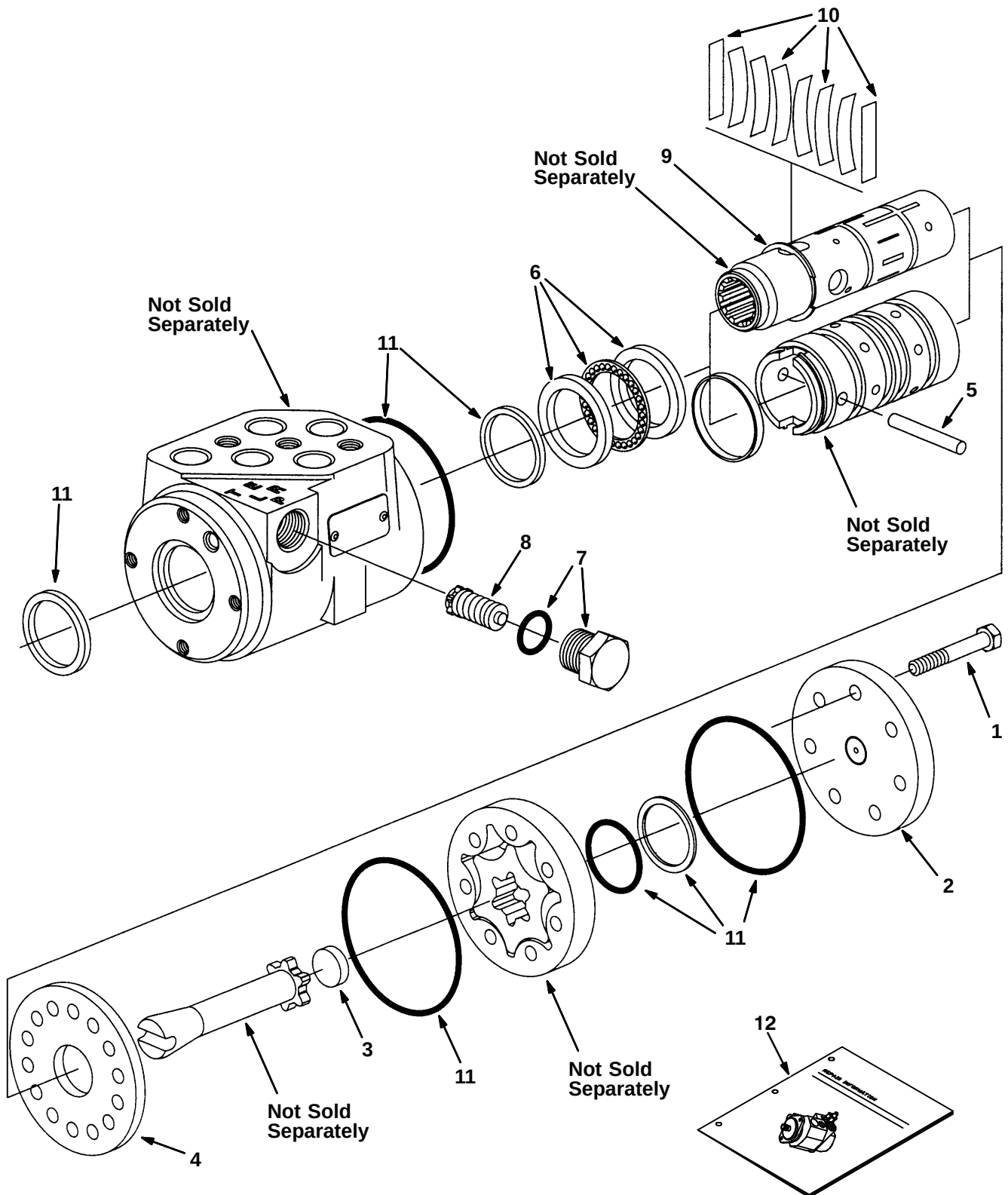
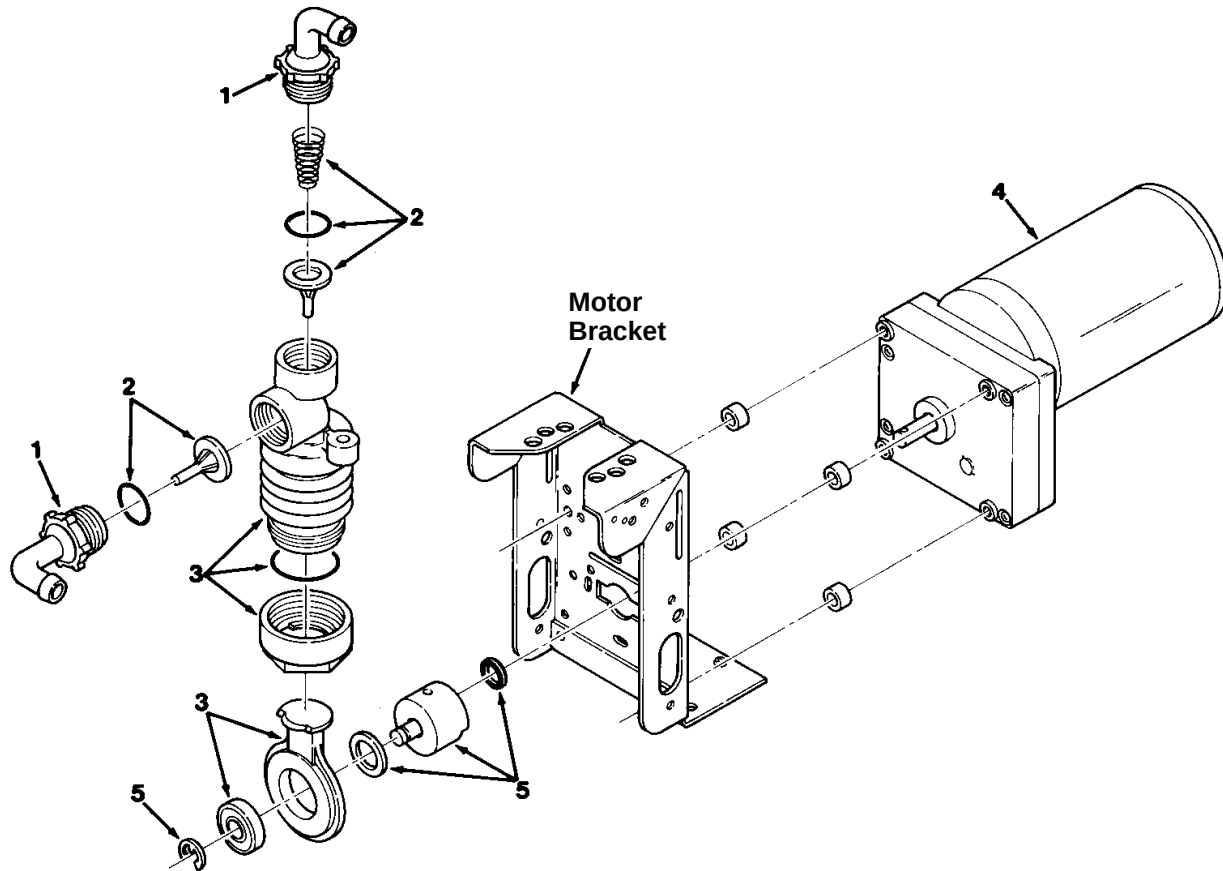


Fig. 12 – Hydraulic Steering Valve Breakdown, 1024260

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1024260	(000000–	) Steer-Control, Hyd05, 06.1 2030	1
▲	1	74183	(000000–	) Screw, Valve, Steering	7
▲	2	74185	(000000–	) Cap, End, Valve, Steering	1
▲	3	74193	(000000–	) Spacer, Valve, Steering	1
▲	4	74222	(000000–	) Plate, Wear, Steering Valve	1
▲	5	74232	(000000–	) Pin, Valve, Steering	1
▲	6	21935	(000000–	) Bearing Kit [CI]	1
▲	7	21933	(000000–	) Plug Assy [CI]	1
▲	8	21934	(000000–	) Valve Assy, Relief [CI]	1
▲	9	74243	(000000–	) Ring, Retainer, Steering Valve	1
▲	10	74196	(000000–	) Spring Kit, Scu [CI]	1
▲	11	74244	(000000–	) Seal Kit, Steering [CI]	1
▲	12	74245	(000000–	) Instr, Valve, Steering, Repair	1

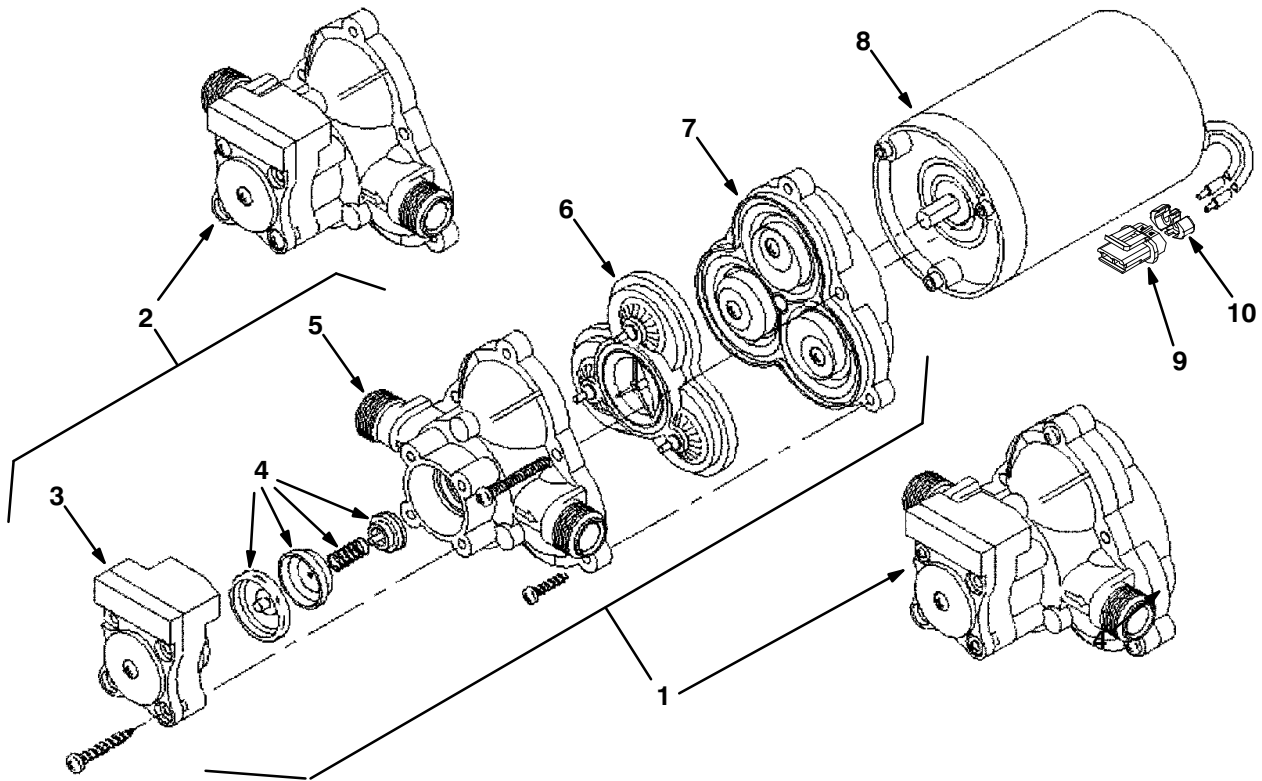
Fig. 13 – Metering Solution Pump Breakdown, 73260



00112 – ALL

Ref.	Part No.	Serial Number	Description	Qty.
▽	73260	(000000–	) Pump, Detgt, 14vdc, 150ml/Min 20psi	1
▲	1 63923	(000000–	) Tubing Connctr.Kit, Gorman Pmp	1
▲	2 21659	(000000–	) Valve Kit, Poppet, Gorman Rupp	1
▲	3 21657	(000000–	) Kit, Bellows, Pump, Detgt	1
▲	4 78875	(000000–	) Motor, Ele, Gear, 14vdc, Pump, Detgt	1
▲	5 02430	(000000–	) Crank Kit, Pump, F/79323, Replmt	1

Fig. 14 – Water Pump Breakdown, 1026743



07490 – 09670

	Ref.	Part No.	Serial Number	Description	Qty.
▽		1026743	(000000–)	Pump, Diaphragm	1
▲	1	1031802	(000000–)	Complete Pump Kit, Pump, Repair,	1
▲	2	1031803	(000000–)	Hsg & Switch Kit, Pump, Repair,	1
▲	3	1031796	(000000–)	Switch Kit, Pump, Repair,	1
▲	4	1031797	(000000–)	Chech Valve Kit, Pump, Repair,	1
▲	5	1031798	(000000–)	Upper Hsg Kit, Pump, Repair,	1
▲	6	1031799	(000000–)	Bypass Valve Kit, Pump, Repair,	1
▲	7	1031800	(000000–)	Diaphragm Kit, Pump, Repair,	1
▲	8	1031801	(000000–)	Motor Kit, Pump, Repair,	1
▲	9	78950	(000000–)	Connector, Fem, 02cav, Mp280 Sealed	1
▲	10	78952	(000000–)	Lock, Secondary, 2cav, Mp280 Sealed	1
▲		78951	(000000–)	Terminal, Fem, Mp280, Sealed, 18–16ga	2
▲		10917	(000000–)	Seal, Wire, 14/16ga [Wp / Mp280 Sealed]	2

Fig. 15 – ec-H2O Module Assembly Breakdown, 9007882

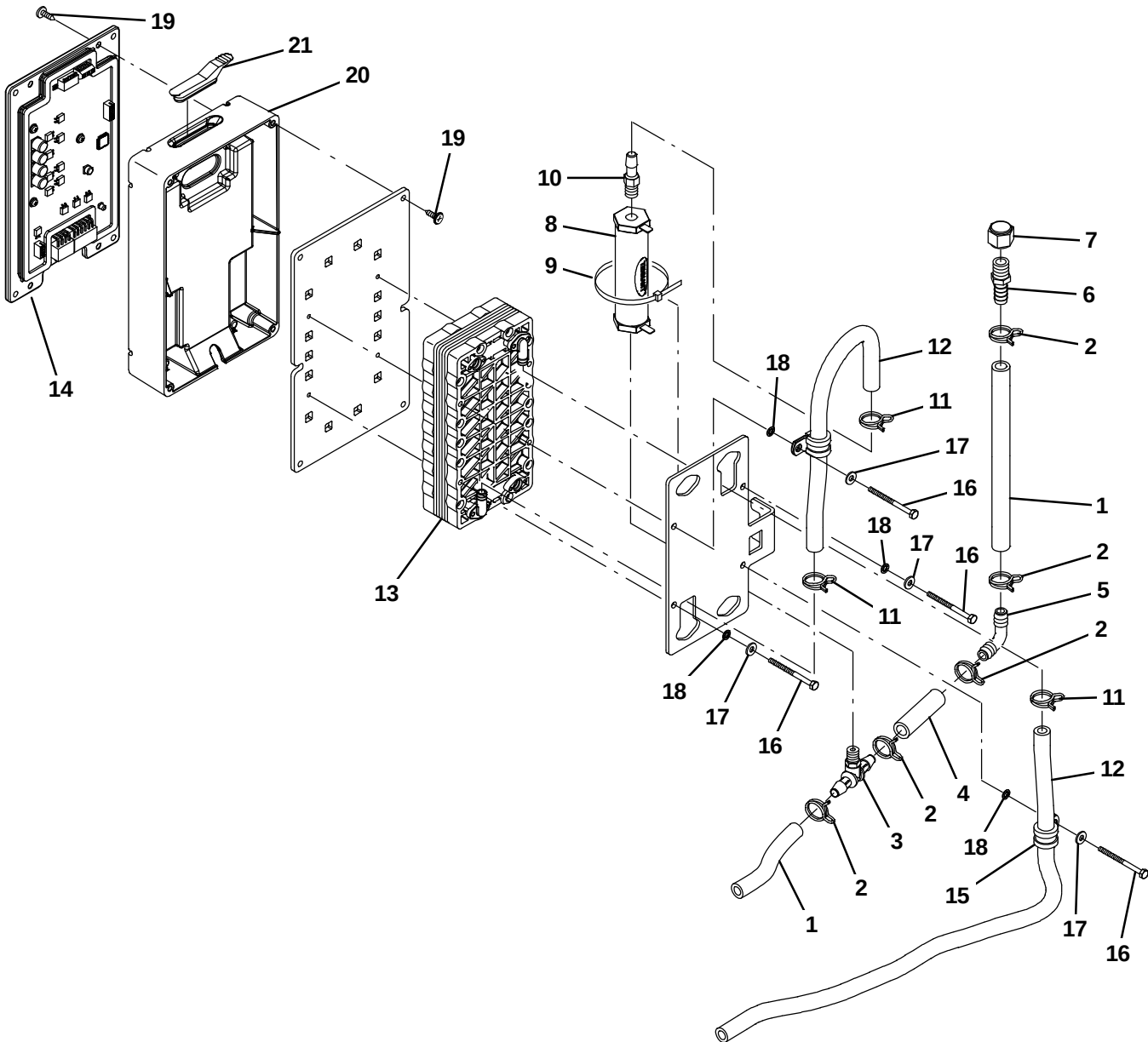
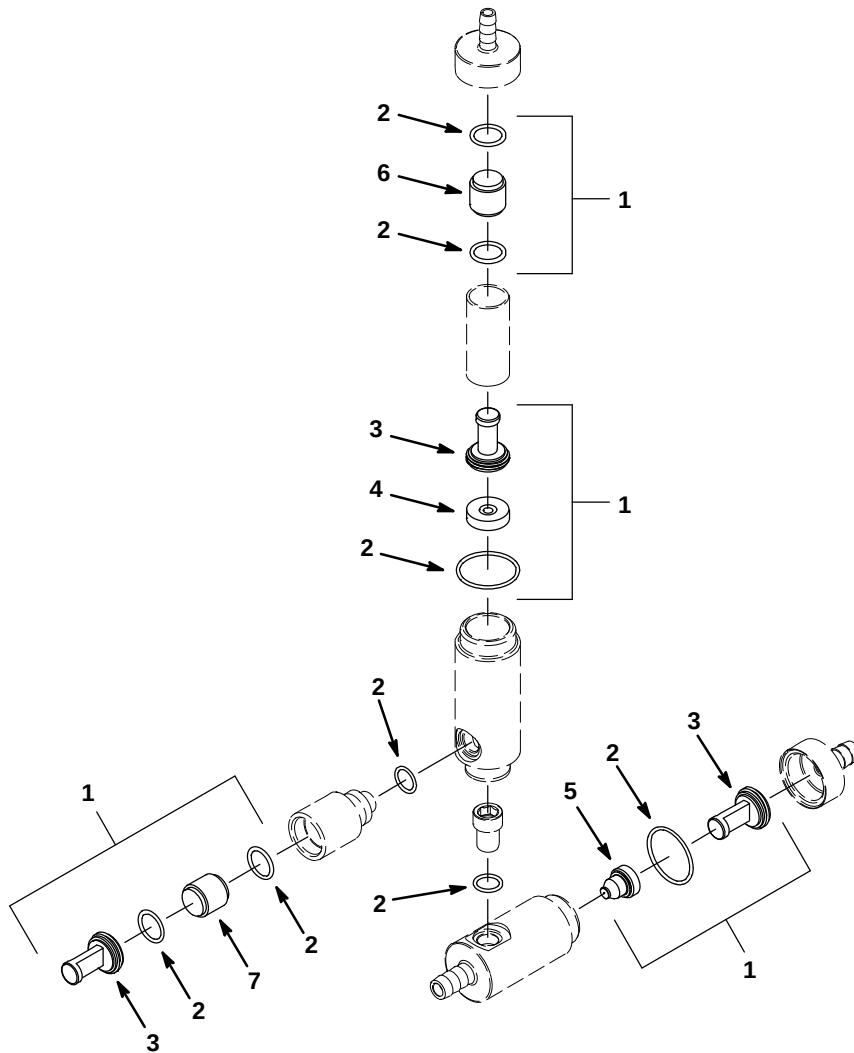


Fig. 15 – ec-H2O Module Assembly Breakdown, 9007882

	Ref.	Part No.	Serial Number	Description	Qty.
▽		9007882	(000000–	) Module Kit, Replmt [Ec-H2O]	1
▲	1	1014974	(000000–	) Hose, Afmkt, Pvc, Brd, 0.38id, 02ft, Clr	2
▲	2	607775	(000000–	) Clamp, Hose, Wir, .63 – .66, Blk	5
▲	3	1060517	(000000–	) Fitting, Plstc, Tee, Bm06/Pm02/Bm06	1
▲	4	1014971	(000000–	) Hose, Afmkt, Pvc, Brd, 0.38id, 01ft, Clr	1
▲	5	20951	(000000–	) Fitting, Plstc, E90, Bm06/Bm06	1
▲	6	150540	(000000–	) Fitting, Plstc, Str, Bm06/Pm04	1
▲	7	1005435	(000000–	) Fitting, Plstc, Pipe, Cap, Pf04	1
▲	8	1038159	(000000–	) Electrode, Cylindrical	1
▲	9	44961	(000000–	) Tie, Cable, Nyl, 14.5l .30w 4.0 Max D	1
▲	10	1060695	(000000–	) Fitting, Plstc, Str, Pm02/Bm05	1
▲	11	1053464	(000000–	) Clamp, Hose, Wir, .52 – .56, Yel	3
▲	12	1052336	(000000–	) Hose, Afmkt, PVC, Brd, 0.31id, 03Ft, Clr	1
▲	13	1057637	(000000–	) Electrode, 5 Plate, High Flow	1
▲	14	9007883	(000000–	) Controller Kit, Replmt [Ec-H2O]	1
▲	15	1016354	(000000–	) Clamp, Cable, Ss, 0.50d X 0.50w [Insul]	2
▲	16	32509	(000000–	) Screw, Hex, M4 X 0.70 X 50, Ss	4
▲	17	41579	(000000–	) Washer, Flat, 08, Ss	4
▲	18	02938	(000000–	) Washer, Lock, Int, 08, Ss	4
▲	19	1018155	(000000–	) Screw, Pan, Phl, M5 X 0.80 X 16, Tcut,Ss	8
▲	20	1037032	(000000–	) Housing, Bottom	1
▲	21	1054776	(000000–	) Grommet, Blind	1

Fig. 16 – FaST Injector Assembly Breakdown, 9004515



354649

Ref.	Part No.	Serial Number	Description	Qty.
▽	9004515	(000000–	) FaST Kit, Injector, CI[M20/M30 FaST II+]	1
▲▽	1 9004514	(000000–	) FaST Kit, Ci, Injector Rebuild[FaST II+]	1
▲▲	2 9003008	(000000–	) Fast Kit, Ci, Injector Seals [Fast li+]	1
▲▲	3 9003009	(000000–	) Fast Kit, Ci, Injector Filters[FaST li+]	1
▲▲	4 1042711	(000000–	) Plate Assy, Orifice, 0.0105id, Green	1
▲▲	5 1042710	(000000–	) Plug, Orifice, 0.060, Ss [Fast li+]	1
▲▲	6 1030444	(000000–	) Valve, Check, 0002psi [Fast li+]	1
▲▲	7 1030441	(000000–	) Valve, Check, 0005psi [Fast li+]	1

SECTION 5

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Fig. 1 – Cylinder Head and Valves Group

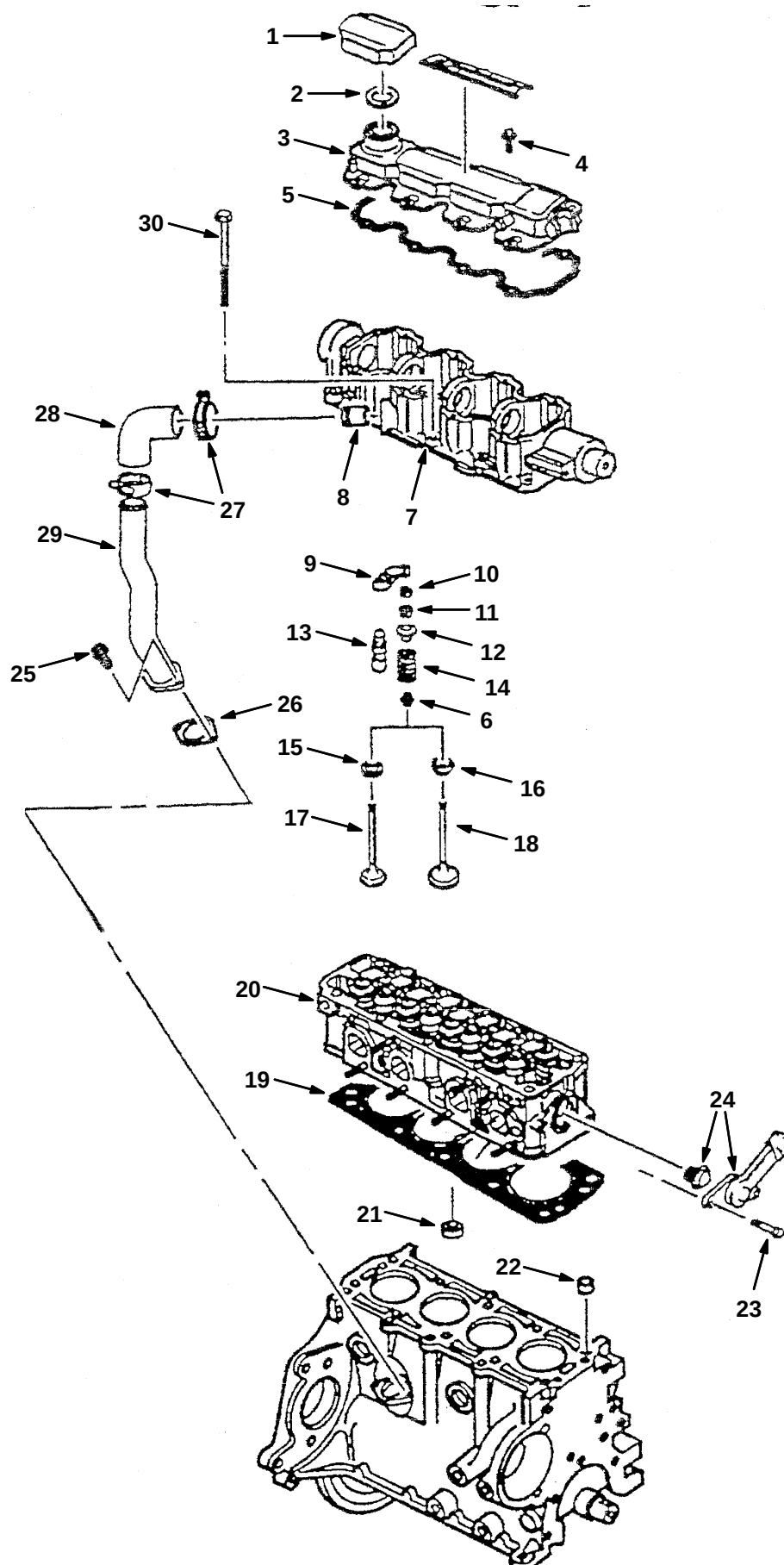


Fig. 1 – Cylinder Head and Valves Group

Ref.	Part No.	Description	Qty.
1	372574	Cap, Filler, Oil, W/ Org	1
2	372573	Seal, Org, Cap	1
3	372007	Cover, Hsng, Camshaft	1
4	371990	Bolt, Camshaft Cover	8
5	372008	Gasket, Cover, Hsng, Camshaft	1
6	9003345	Seal, Seat, Valve	8
7	372018	Housing, Camshaft	1
8	372019	Tube [Pcv]	1
9	372030	Arm, Rocker, Valve	8
10	372031	Seat, Spring, Valve, 0.333	8
11	372033	Key, Valve Stem	16
12	372034	Cap, Spring, Valve	4
13	372035	Screw, Adj, Valve, Hyd	8
14	372036	Spring, Valve	8
15	372037	Seat, Rotator, Valve	4
16	372032	Seat, Spring, Valve	4
17	372038	Valve, Exhaust	4
18	372039	Valve, Intake	1
19	372022	Gasket, Head, Cyl	1
20	372023	Head, Cyl	1
21	372024	Seat, Valve, Exhaust, [+0.2mm]	4
21	372025	Seat, Valve, Exhaust, Std	4
21	372026	Seat, Valve, Exhaust, [+0.4mm]	4
21	372027	Seat, Valve, Intake, Std	4
21	372028	Seat, Valve, Intake, [+0.2mm]	4
21	372029	Seat, Valve, Intake, [+0.4mm]	4
22	371999	Pin, Lock, Cyl Head, 14mm X 17mm	2
23	372048	Bolt, Hsng, Thermostat	2
24	372047	Thermostat, W/ Hsng And Seal	1
25	371957	Bolt, Tube [Pvc], M6 X 1 X 15	2
26	371958	Gasket, Tube [Pcv]	1
27	371954	Clamp, Hose, 1.75 [Pcv]	2
28	371955	Hose [Pcv]	1
29	371956	Tube [Pcv]	1
30	372882	Bolt, Head. Cyl	10

Fig. 2 – Crankshaft and Piston Group

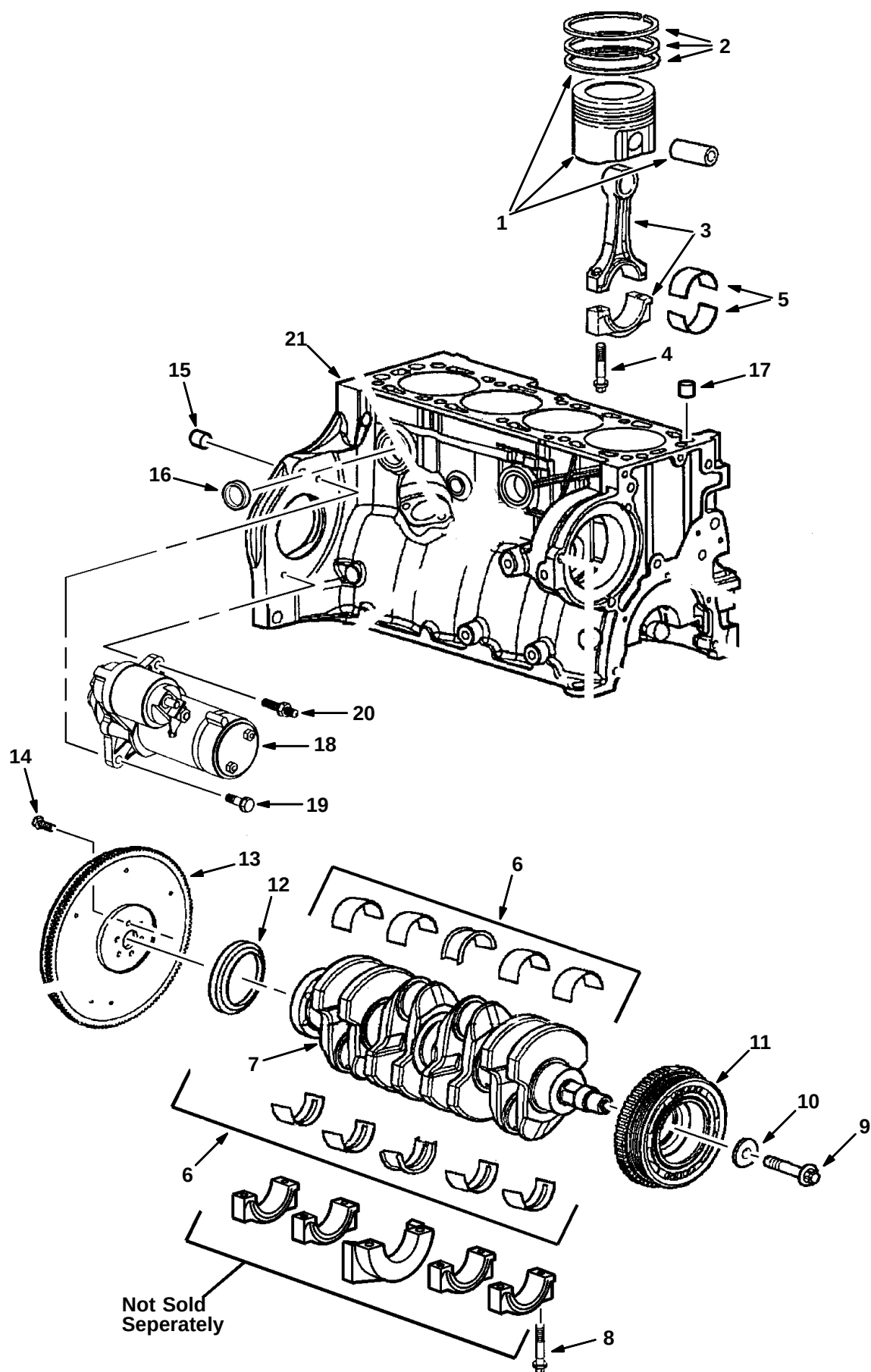


Fig. 2 – Crankshaft and Piston Group

	Ref.	Part No.	Description	Qty.
▽	1	371932	Piston, W/ Pin, Std	1
▲	2	371931	Ring Kit, Piston, Std 78.95–79.02mm	4
	3	371934	Rod, Connecting, M08 X 45	4
	4	371935	Bolt, Connecting Rod	8
	5	371933	Bearing Kit, Rod, Connecting, Std	1
	6	371966	Bearing Kit, Cshft, 1.995–2.001mm (Brown Blue)	4
	6	371967	Bearing Kit, Cshft, 2.120–2.126mm	4
	6	371968	Bearing Kit, Cshft, 2.114–2.120mm	4
	6	371969	Bearing Kit, Cshft, 1.989–1.995mm (Brown)	4
	6	371970	Bearing Kit, Cshft, 1.989–1.995mm (Green Blue)	4
	6	371971	Bearing Kit, Cshft, 1.995–2.001mm (Green)	4
	7	371965	Crankshaft	1
	8	371946	Bolt, M10 X 1.50 X 75mm	10
	9	371938	^① Bolt, M12 X 1.75 X 62mm	1
	9	384961	^② Bolt, Pulley, Cshft	1
	10	371937	Washer, Sheave, Cshft	1
	11	371936	Sheave, Cshft	1
	12	371945	Seal, Oil, Cshft	1
	13	371979	Flywheel	1
	14	371976	Bolt, Flywheel	6
	15	371978	Pin, Lock, Transmission	2
	16	371942	Plug, Hole, Coolant, Eng Block	6
	17	371999	Pin, Lock, Cyl Head, 14mm X 17mm	2
	18	371962	^③ Starter, 12vdc [Gm] (Before Mar. 2006)	1
	18	384963	^④ Starter, 12vdc [Delco] (Mar. 2006 and Newer)	1
	19	371963	^① Bolt, M08 X 1.25 X 25mm	1
	19	384964	^② Bolt, M08 X 1.25 X 25mm	1
	20	371964	Stud, Starter, M08 X 1.25	1
	21	371944	Block, Short, Eng, W/ Piston & Ring	1

^① Serial Number (000000–xxxxxx)

^② Serial Number (xxxxxx–)

^③ Serial Number (000000000–1PGL13150)

^④ Serial Number (1PGL13151–)

Fig. 3 – Oil and Water Pump Group

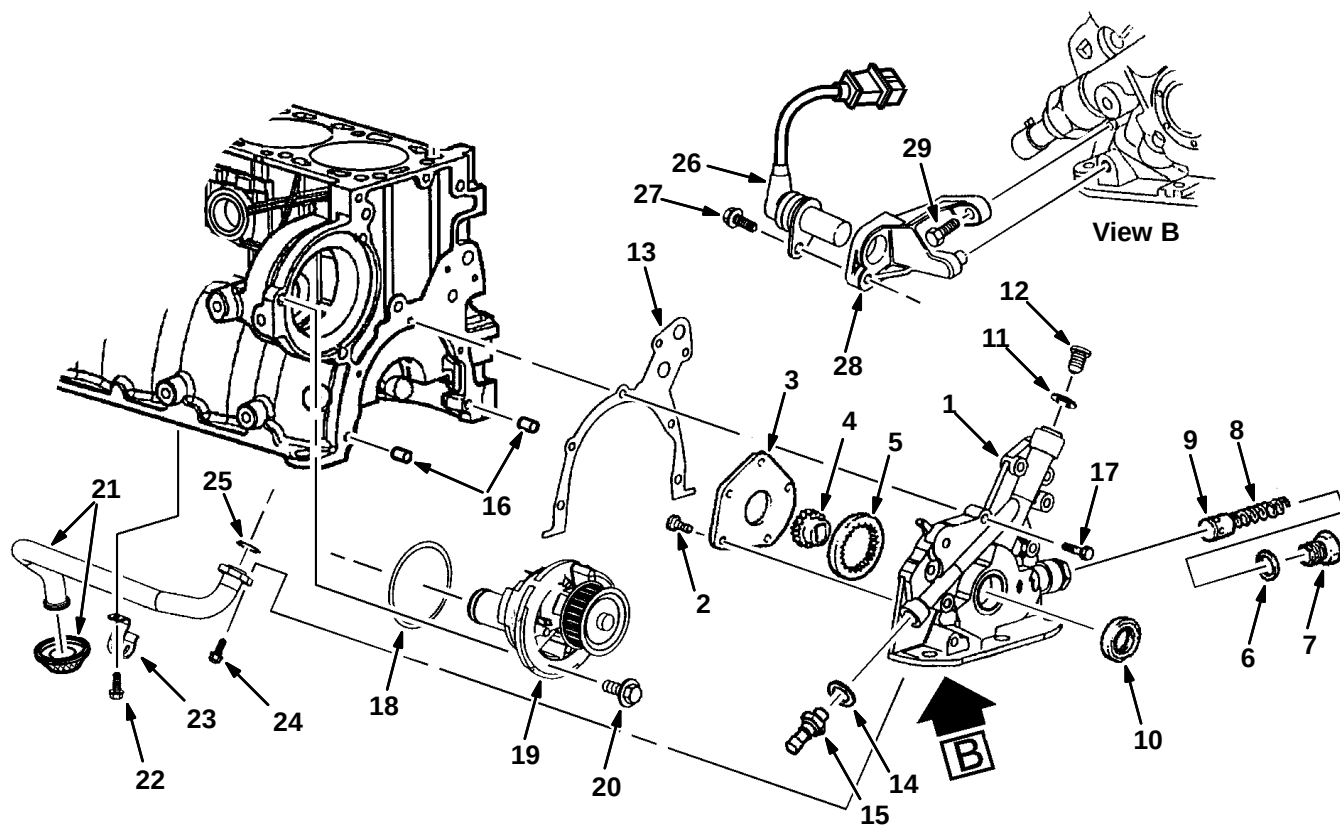


Fig. 3 – Oil and Water Pump Group

	Ref.	Part No.	Description	Qty.
▽	1	372572	Pump, Oil	1
▲	2	371947	Bolt, Cover, Oil Pump, M6 X 14	5
▲	3	371948	Cover, Pump, Oil	1
▲	4	371949	Gear, Ring, Drive, Oil Pump	1
▲	5	371950	Gear, Drive, Oil Pump	1
▲	6	371998	Gasket, Plug, Relief Valve, Oil Press	1
▲	7	371994	Plug, Bore, Valve, Relief, Oil Press	1
▲	8	371993	Spring, Valve, Relief, Oil Press	1
	9	371997	Valve, Relief, Oil Press	1
	10	372005	Seal, Org, Oil Pump	1
	11	371951	Seal, Org, Hsng, Oil Pump	1
	12	371952	Plug, Hsng, Oil Pump	1
	13	371984	Gasket, Pump, Oil	1
	14	371987	Seal, Org, Press Switch / Drain Plug	1
	15	371996	[3] Switch, Indicator, Oil Press	1
	15	9008197	[4] Switch, Indicator, Oil Press [2010]	1
	16	371983	Pin, Ring, Lock, Hsng, Water Pump	2
	17	371986	Bolt, Pump, Oil	6
	18	372567	Seal, Org, Water Pump	1
	19	371981	Pump, Water [Gm]	1
	20	371980	Bolt, Cover, Water Pump	3
	21	372001	Screen, Oil Pump, W/ Suc Pipe	1
	22	371991	Bolt, Bracket, Screen, Oil Pump, M6x1x1	1
	23	372000	[1] Bracket, Screen, Oil Pump	1
	23	384966	[2] Bracket, Screen, Oil Pump	1
	24	371990	Bolt, Oil Pump Screen/Camshaft Cover	2
	25	371988	Seal, Ring, Pipe, Suc, Oil Pump	1
	26	372002	Sensor, Position, Cshft	1
	27	384968	Bolt, Bracket, Sensor, Cshft Position	1
	28	372003	Bracket, Sensor, Position, Cshft	1
	29	372004	Bolt, Sensor, Position, Cshft	3

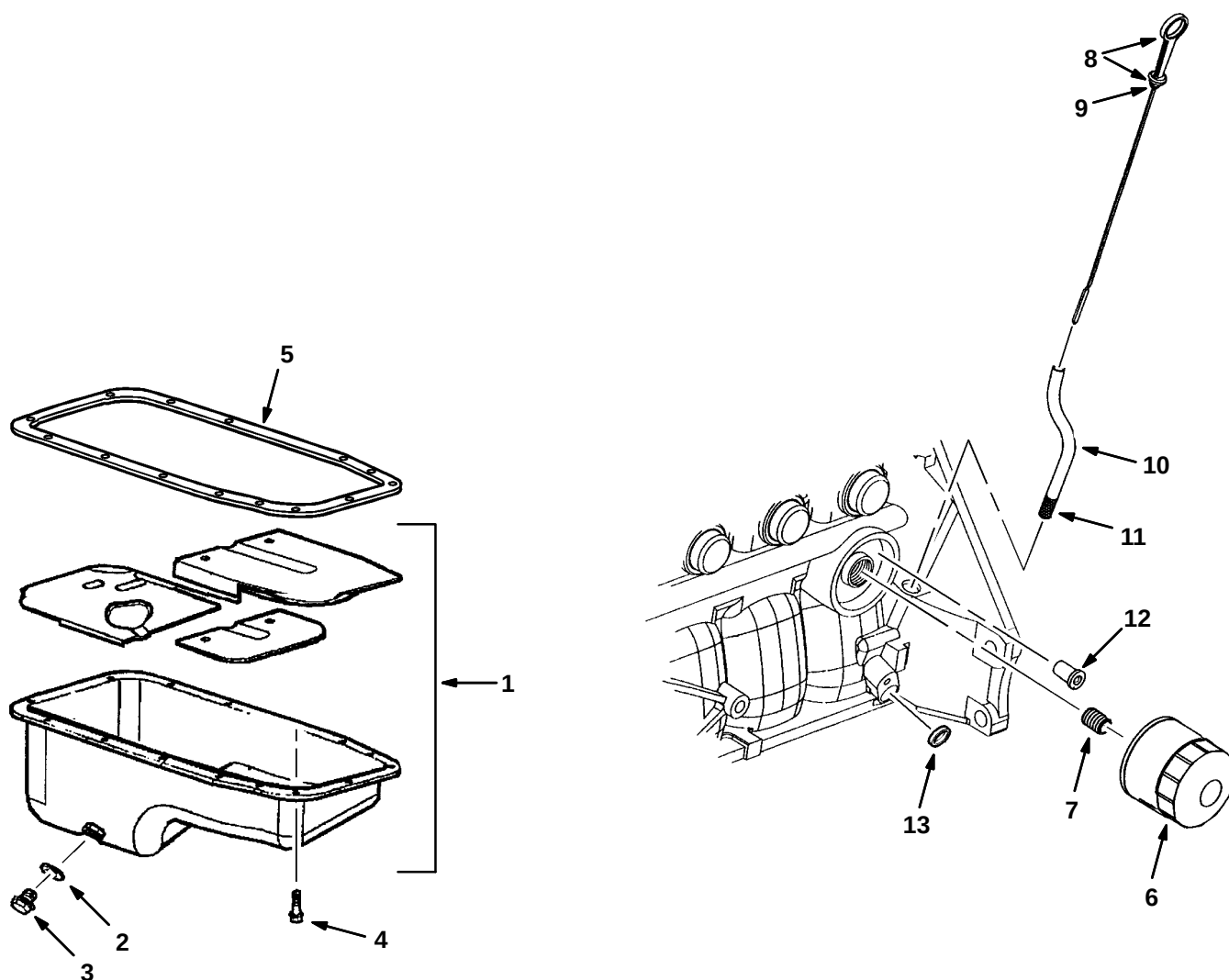
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[2] Serial Number (xxxxxx–)

[3] Tennant Serial number (000000–003122)

[4] Tennant Serial number (003123–)

Fig. 4 – Oil Pan and Filter Group



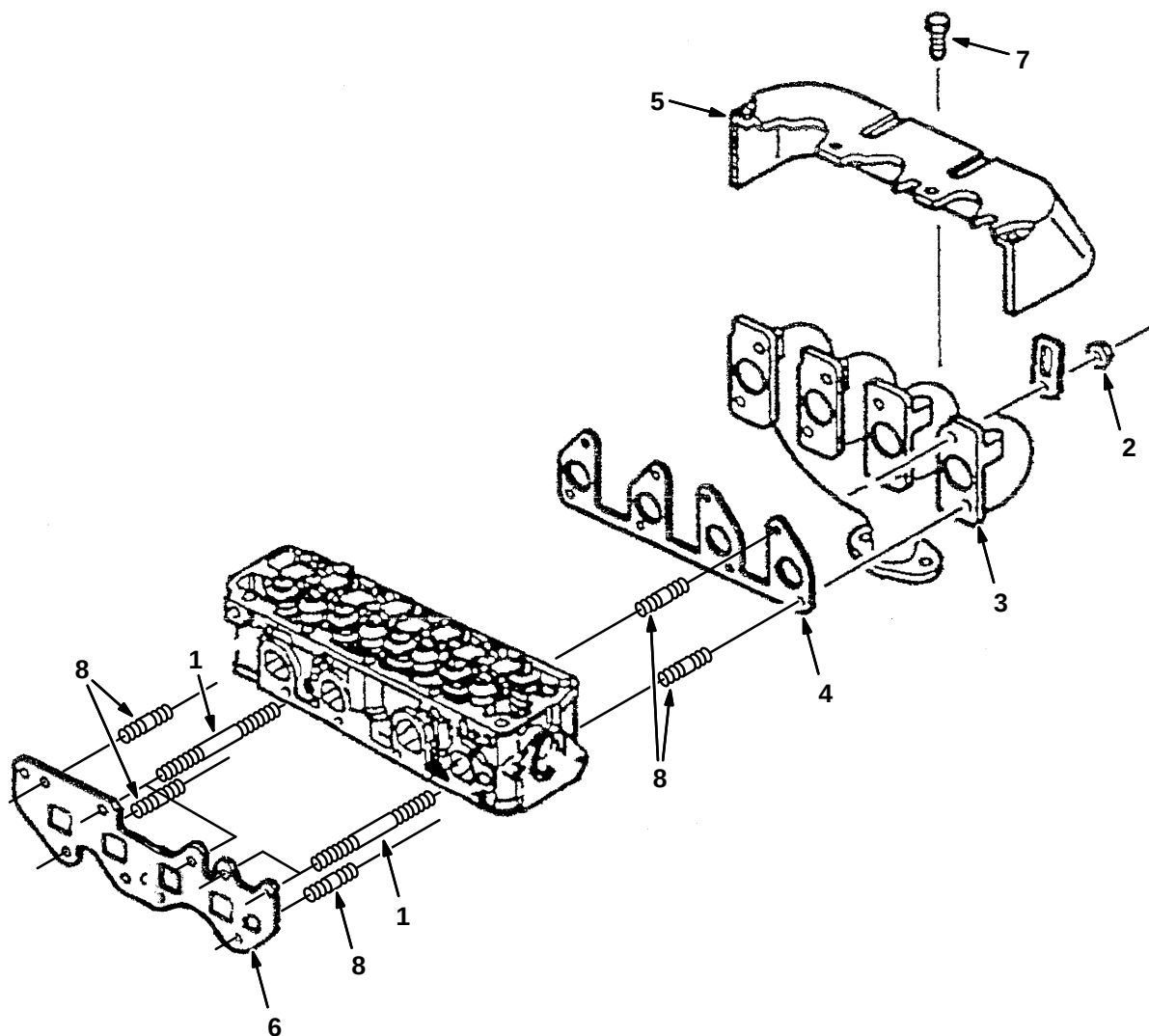
G, LP

Ref.	Part No.	Description	Qty.
▽	1 371960	Pan, Oil, W/ Baffle / Plug / Seal	1
▲	2 371987	Seal, Org, Press Switch / Drain Plug	1
▲	3 371992	Plug, Drain, Oil Pan, M14 X 1.5 X 12	1
	4 371961 [1]	Bolt, M06 X 1.00 X 13mm	15
	4 384962 [2]	Bolt, Pan, Oil	15
	5 371959	Gasket, Pan, Oil	1
	6 371972	Element, Fltr, Oil, Eng, Spin-On	4
	7 371973	Fitting, Fltr, Oil	1
▽	8 372560	Dipstick, Oil	1
▲	9 371995	Seal, Org, Cap, Fltr, Oil	1
	10 371940	Tube, Ds	1
	11 371941	Sealant, Tube, Ds	1
	12 371975	Valve, By-Pass, Oil Fltr	1
	13 371943	Plug, Hole, Core, Eng Block	1

[1] Serial Number (000000-xxxxxx)

[2] Serial Number (xxxxxx-)

Fig. 5 – Manifold Group



G, LP

Ref.	Part No.	Description	Qty.
1	372021	Stud, Manifold, M8 X 96	4
2	372049	Nut, Manifold, Exhaust, M8 X 1.25	8
3	372050	Manifold, Exhaust	1
4	372051	Gasket, Manifold, Exhaust	1
5	372052	Shield, Manifold, Exhaust	1
6	372053	Gasket, Manifold, Intake	1
7	372066	Bolt, Shield, Manifold, Exhaust	5
8	372020	Stud, Manifold, M8 X 28	13

Fig. 6 – Camshaft Group

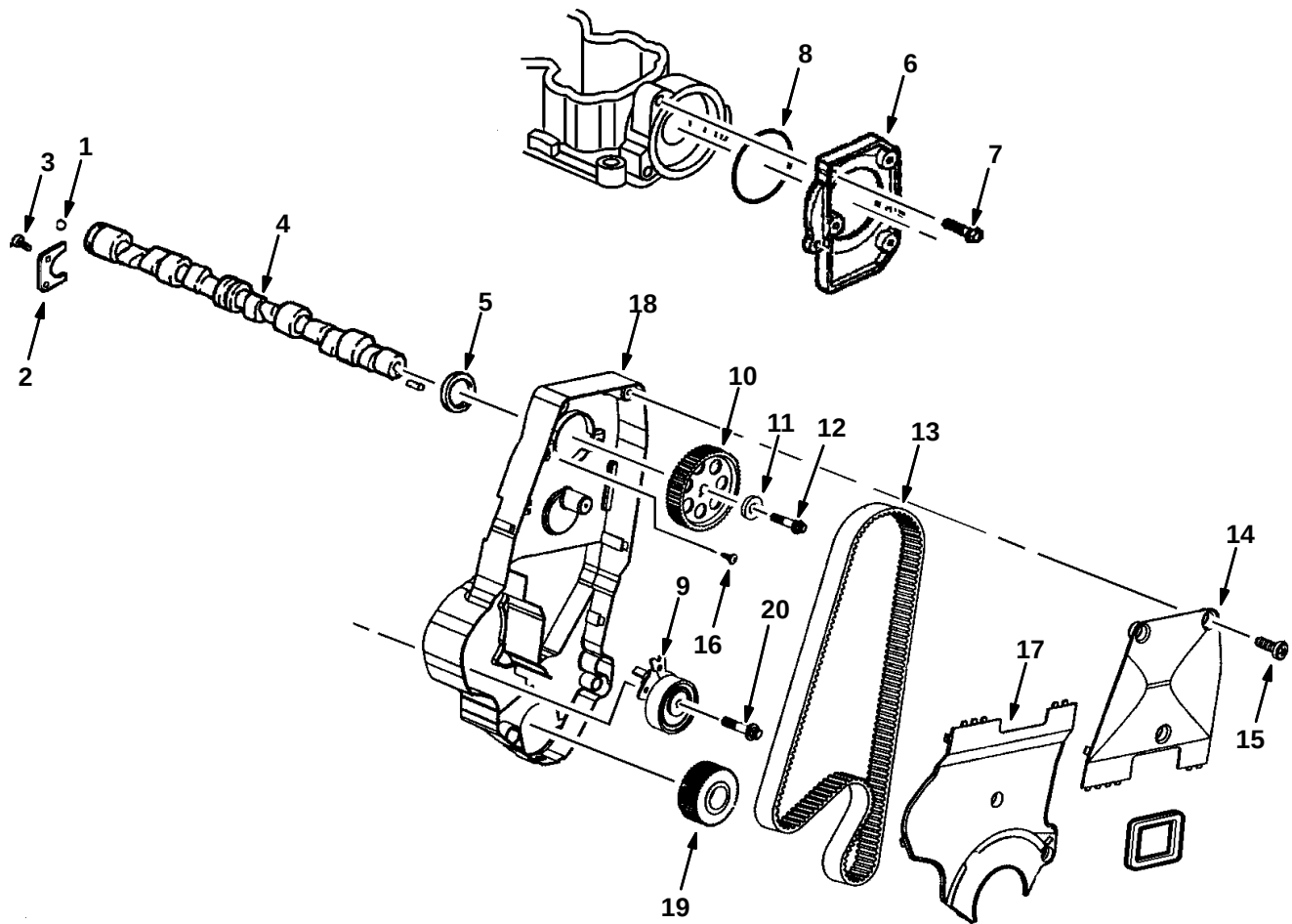
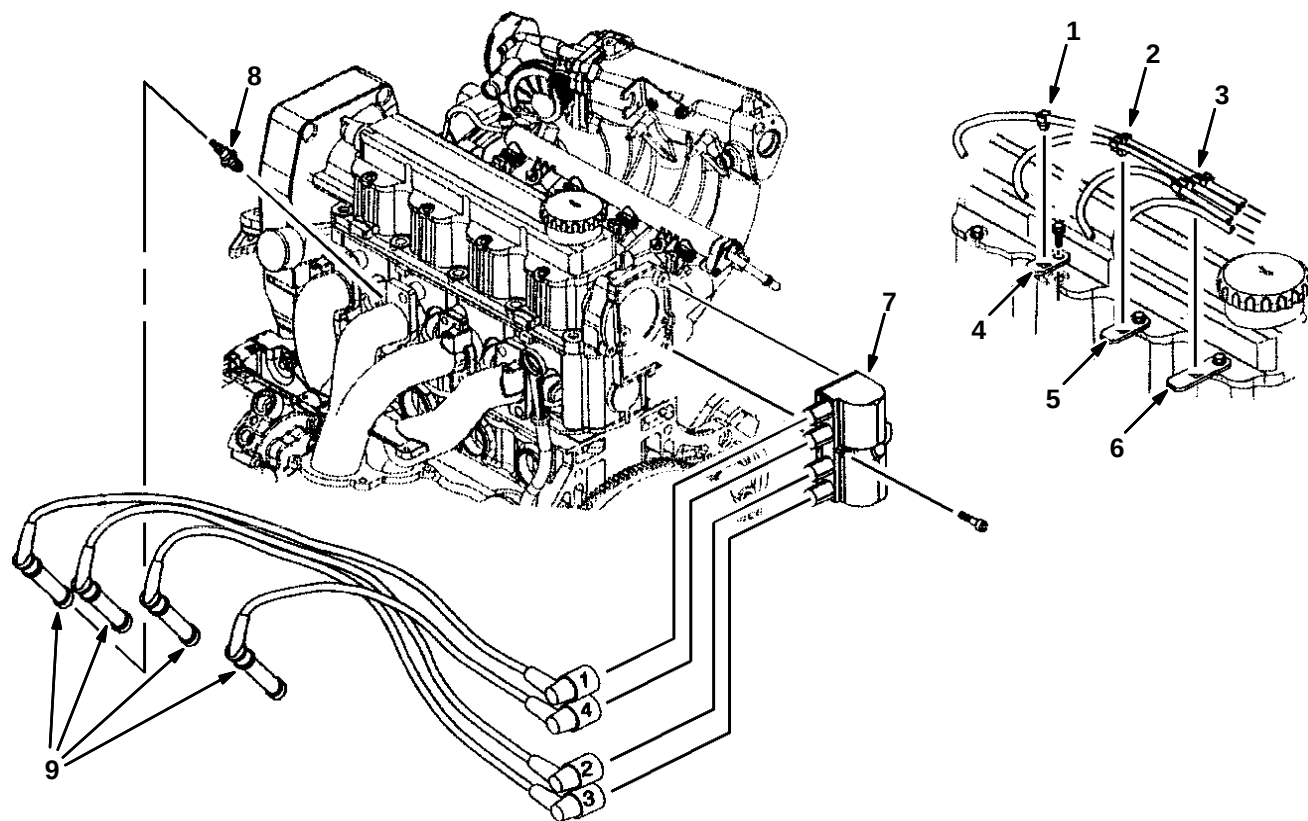


Fig. 6 – Camshaft Group

Ref.	Part No.	Description	Qty.
1	372009	Ball, Camshaft	1
2	372010	Retainer, Camshaft	1
3	372011	Bolt, Retainer, Camshaft, M6 X 1 X 16	2
4	372012	Camshaft	1
5	372013	Seal, Org, Bolt, Cover, Camshaft Hsng	1
6	372014	Cover, Hsng, Camshaft	1
7	372015	Bolt, Cover, Camshaft, M6 X 1 X 22	3
8	372016	Seal, Org, Bolt, Cover, Camshaft Hsng	1
9	9004674	Pulley, Tension, Belt, Timing	1
10	372040	Sprocket, Camshaft	1
11	372017	Washer, Sprkt, Camshaft	1
12	372041	Bolt, Sprocket, Camshaft, M10x1.25x60	1
13	1057029	Belt, Timing [Gm1.6l]	1
14	372043	Cover, Belt, Timing, Front	1
15	371961	Bolt, Eng Cover, M6 X 1 X 13	6
16	372046	Bolt, Tensioner, Timing Belt, M8x1.25x48	1
17	372044	Cover, Belt, Timing, Upper Front	1
18	372616	Housing, Camshaft	1
19	388552	Sprocket, Crankshaft	1
20	9004675	Bolt, Tensioner [GM]	1

Fig. 7 – Ignition Group



G, LP

Ref.	Part No.	Description	Qty.
1	372054	Retainer, Sparkplug, 1 Way	1
2	372055	Retainer, Sparkplug, 2 Way	1
3	372056	Retainer, Sparkplug, 3 Way	1
4	372057	Bracket, Retaining, Wire, Sparkplug	1
5	372058	Bracket, Retaining, Wire, Sparkplug	1
6	372059	Bracket, Retaining, Wire, Sparkplug	1
7	372060	Coil, Ignition	1
8	372575	Sparkplug	4
9	372603	Wire Set, Sparkplug [1.6l]	1

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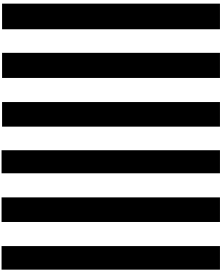
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