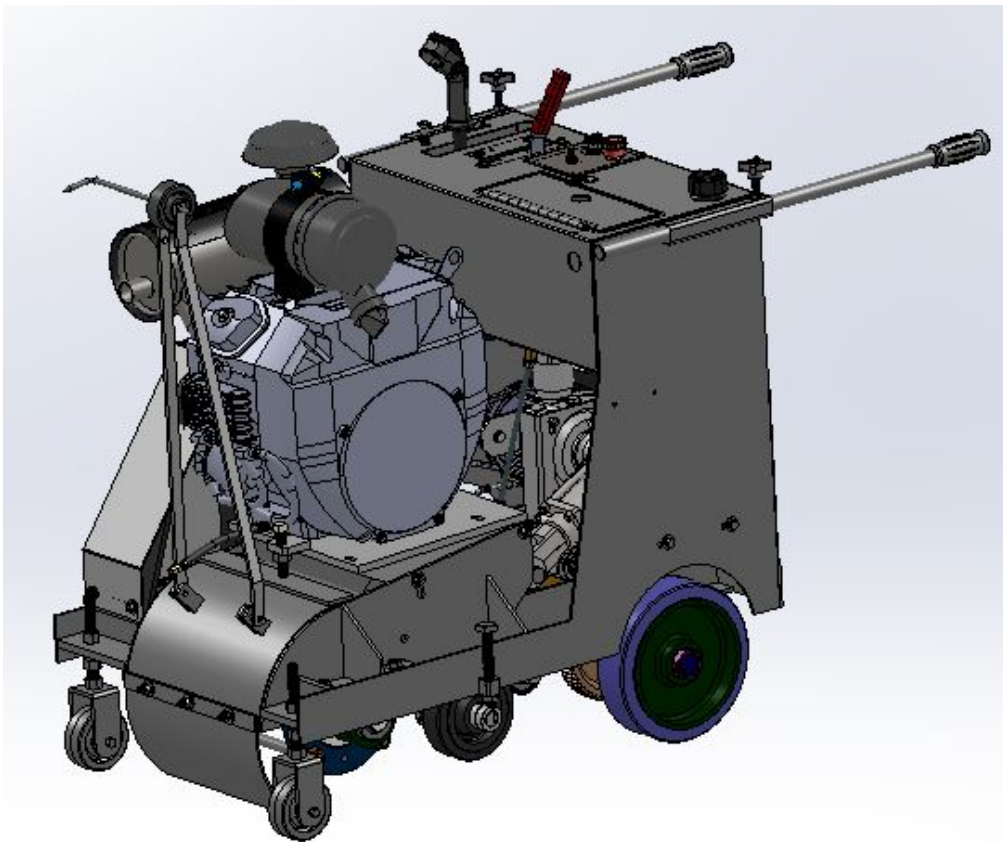




CG-1

PARTS BOOK



PART # 1803783

REV26

5/18/2023



PLACING PARTS ORDERS FOR:
Diamond Products Grinding & Grooving Equipment

CALL: 1-800-225-0142

Our Customer Service Representative Will Need:

Company Name and Ship to Address

Your Purchase Order and/or name

Your Diamond Products Customer Number

Any Special Instructions, i.e., Next Day Air, 2nd Day, etc.

Return for Repair:

Items returned for repair should be carefully packaged and accompanied by a Packing Slip with the following information:

- **(RGA) number obtained from our Customer Service Representative.**
- **Your Company Name, address, phone and email address, list of items for repair, RGA#, Explanation of repair(s) needed, Original Invoice (Warranty Only)**

Replacement/Refund:

All items returned to stock are subject to a 15% restocking fee. Special Order items, i.e.: parts for out of production equipment and any item beyond two (2) years from original invoice date are subject to a mandatory 50% restocking fee. Discontinued items and/or items purchased four (4) years from original invoice date cannot be returned. Items returned for replacement or refund should be in the original cartons and must be accompanied by a packing slip with the following information:

- Return goods authorization number (RGA) obtained from our Customer Service Representative.
- List of items returned
- Reason(s) for return(s)
- Copy of original invoice(s)

Please ship items to:

Diamond Products, LTD
Heavy & Specialty Equipment Operations
2016 E. Karcher Rd.
Nampa, Idaho 83687

12/7/17
jka

CG-1 Parts Book

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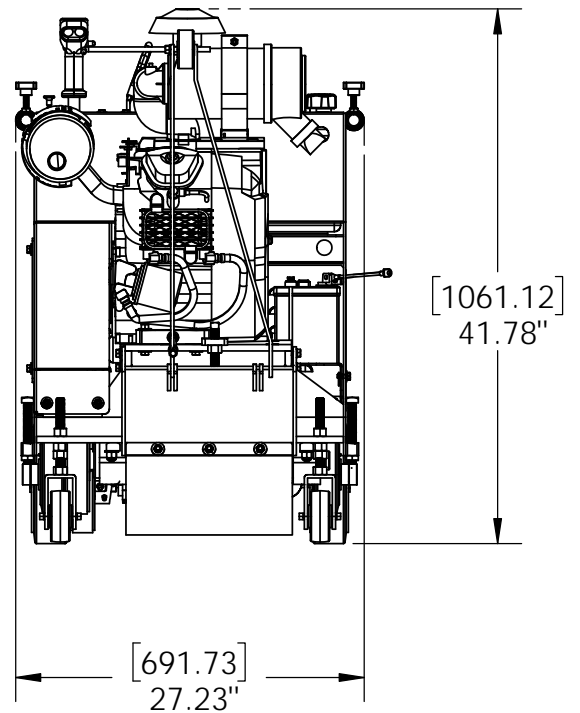
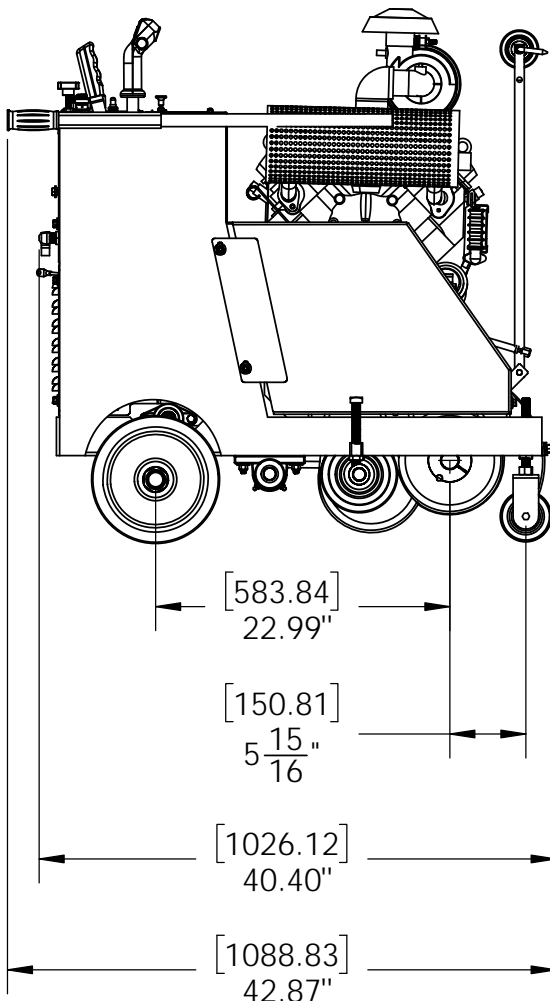
CG-1 GENERAL INFORMATION, 7300095 (APPROX DIMS, WEIGHT & VOLUMES)

DIMENSIONS	INCHES	FEET	MILLIMETERS	METERS
LENGTH	42.87 IN.	3.57 FT.	1088.83 mm	1.09 m
HEIGHT	41.78 IN.	3.48 FT.	1061.12 mm	1.06 m
WIDTH	27.23 IN.	2.70 FT.	691.73 mm	0.69 m

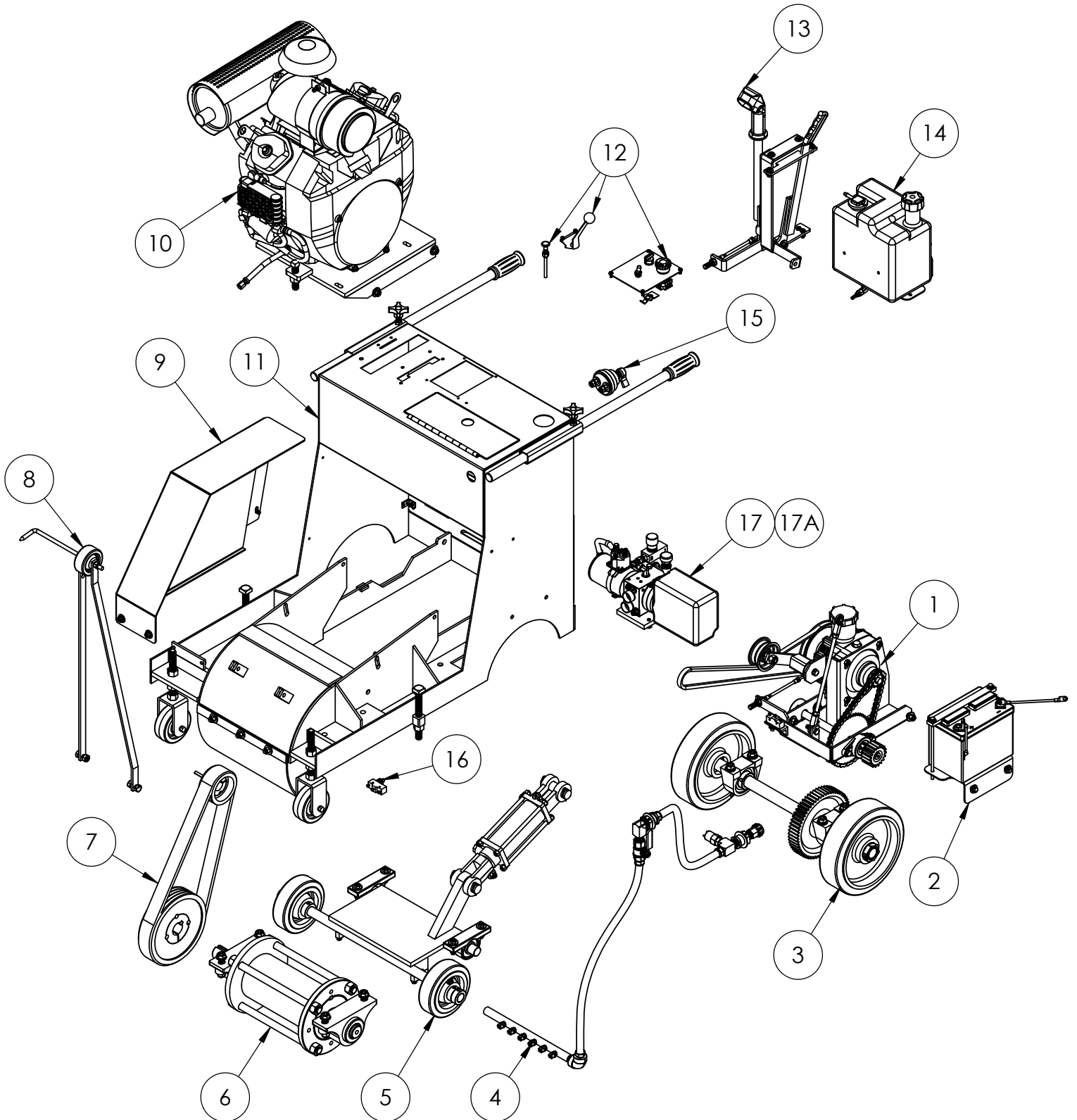
WEIGHT	LBS	TONS	KILOGRAMS	METRIC TONS
FULLY LOADED	800 LBS	0.4	362.87 kg	0.36 Mg

CUTTING WIDTH	10 IN.	25.40 cm
BLADE DIAMETER	12 IN.	30.48 cm

VOLUME	GALLONS	LITERS
FUEL TANK	1.5 GAL.	5.68 L

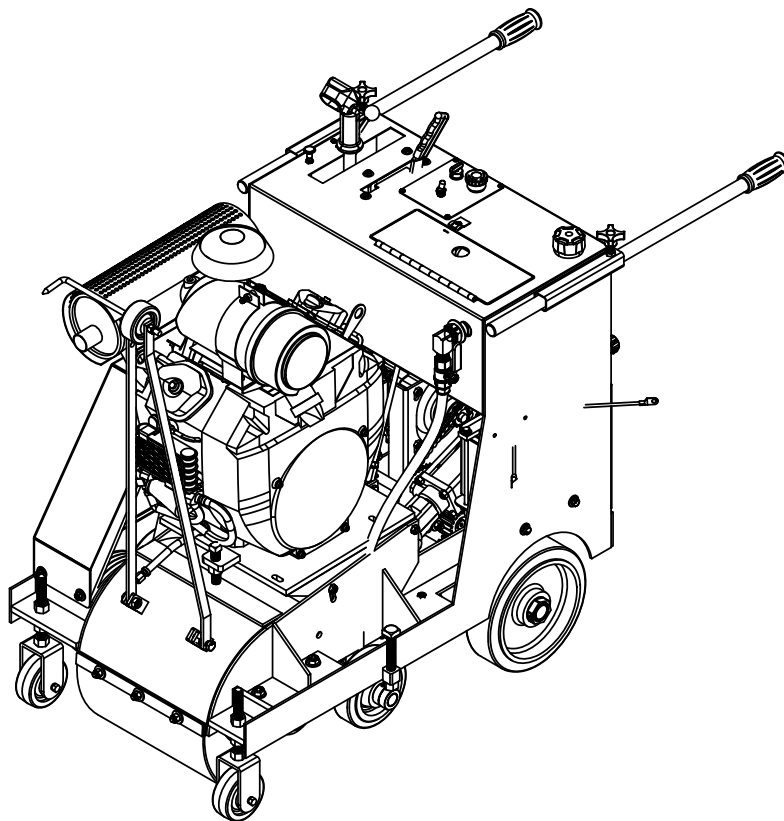


CG-1G24, 5803003

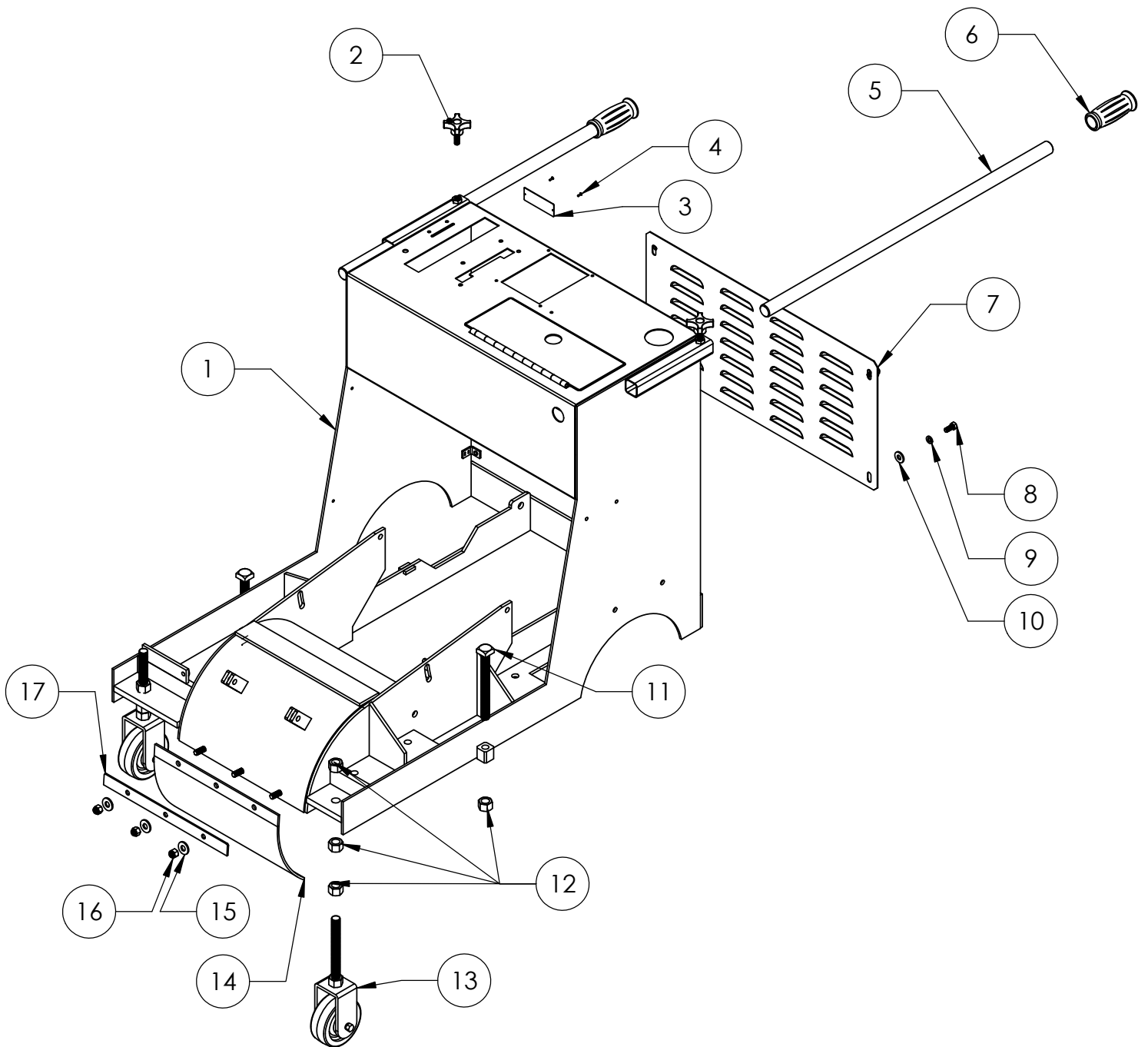


CG-1G24, 5803003

ITEM NO.	PART NO.	DESCRIPTION	QTY.	PG. NO.
1	6081007	REAR DRIVE ASSEMBLY	1	15-16
2	7101443	BATTERY ASSEMBLY	1	26
3	6081008	REAR AXLE ASSEMBLY	1	19
4	6081004	WATER SUPPLY	1	34
5	6081005	FRONT AXLE ASSEMBLY	1	20-21
6	6081011	BLADE SHAFT ASSEMBLY	1	31
7	6081010	BELT DRIVE ASSEMBLY	1	13
8	6048080	POINTER ASSEMBLY	1	-
9	6081015	BELT GUARD	1	33
10	6081009	ENGINE ASSEMBLY	1	9-10
11	6081002	FRAME UPRIGHT ASSEMBLY	1	11-12
12	7100954	CONTROL PANEL	1	22
13	6081001	CONTROL LEVER ASSEMBLY	1	23-24
14	7101442	FUEL TANK ASSEMBLY	1	14
15	2800565	BATTERY DISCONNECT SWITCH	1	-
16	2800926	LIMIT SWITCH	1	-
17	7101830	LIFT PUMP ASSEMBLY	1	27-28
17A	7101829	LIFT PUMP ASSEMBLY (OLD STYLE)	1	29-30

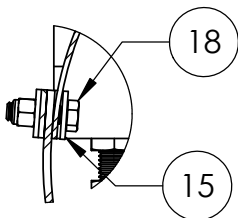
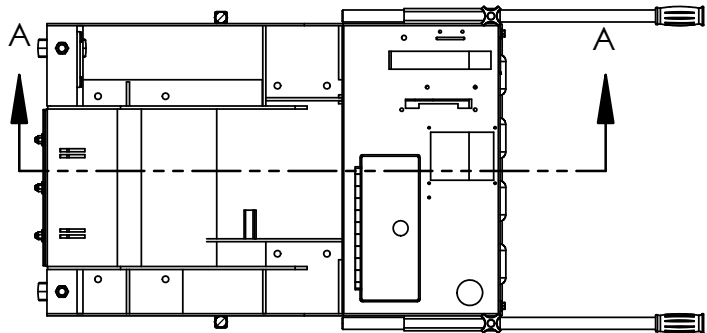
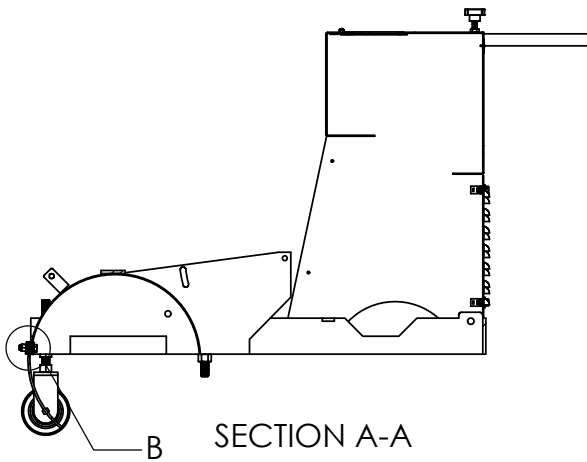


FRAME UPRIGHT ASSEMBLY, 6081002



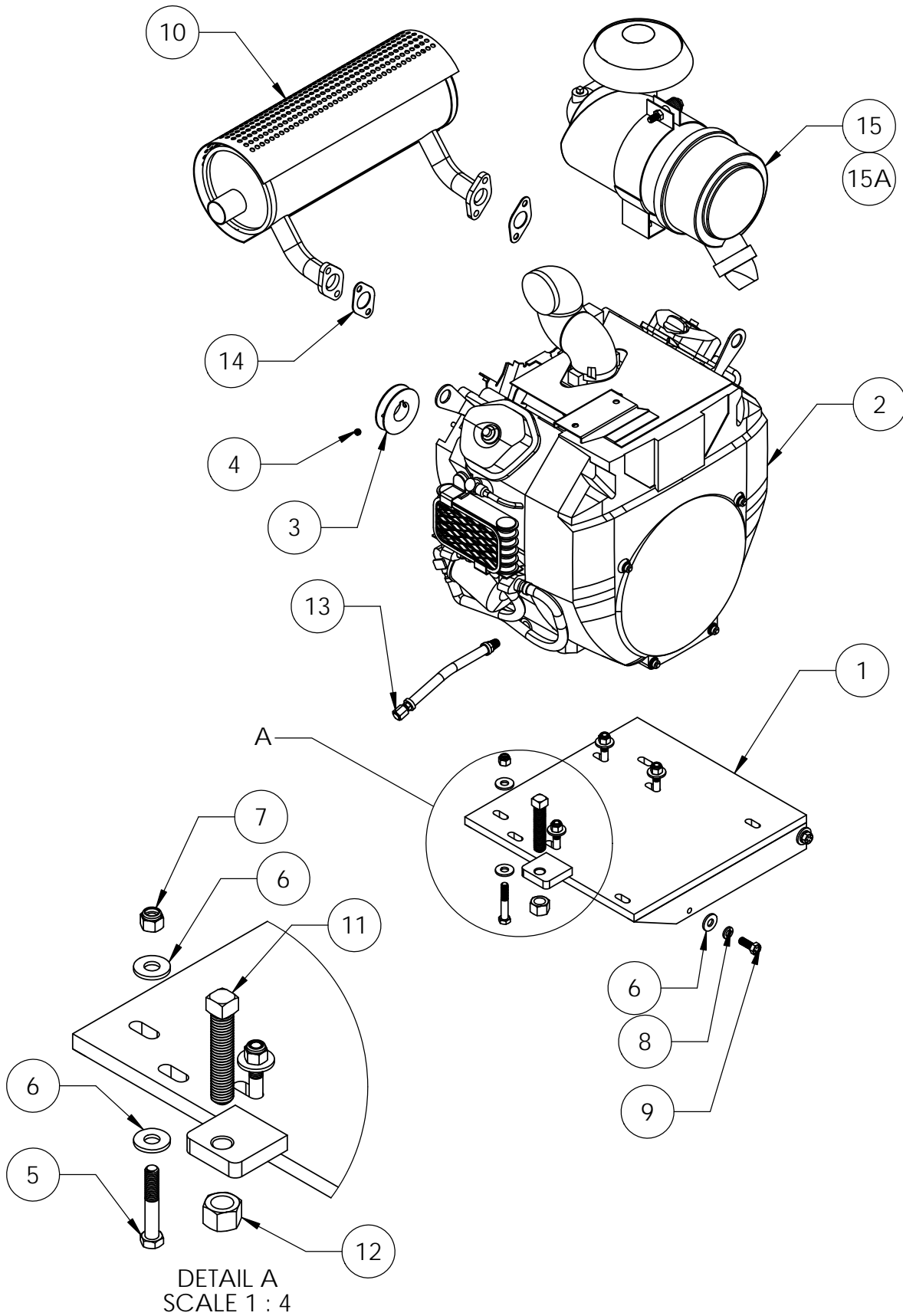
FRAME UPRIGHT ASSEMBLY, 6081002

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	6080012	FRAME UPRIGHT WELDMENT	1
2	7800809	MODIFIED THREADED KNOB	2
3	1800169	SERIAL NUMBER PLATE, US	1
4	2900096	RIVET, 3/32" DIA.	2
5	6013054	HANDLE BAR	2
6	2500636	HANDLE GRIP	2
7	6046036	REAR COVER	1
8	2901665	5/16"-18 X 3/4", HEX HEAD	4
9	2901697	5/16" LOCK WASHER	4
10	2901818	5/16" FLAT WASHER	4
11	2903121	BOLT, 5/8-11 X 6", SQUARE HEAD	2
12	2901741	HEX NUT, 5/8-11	8
13	7501695	DEPTH CONTROL CASTER	2
14	7600248	SKIRT	1
15	2901829	3/8" FLAT WASHER	6
16	2901747	3/8"-16 HEX LOCK NUT, NYLON INSERT	3
17	6070674	SPLASH GUARD RETAINING STRIP	1
18	2901660	3/8"-16 X 1 1/4" HEX	3



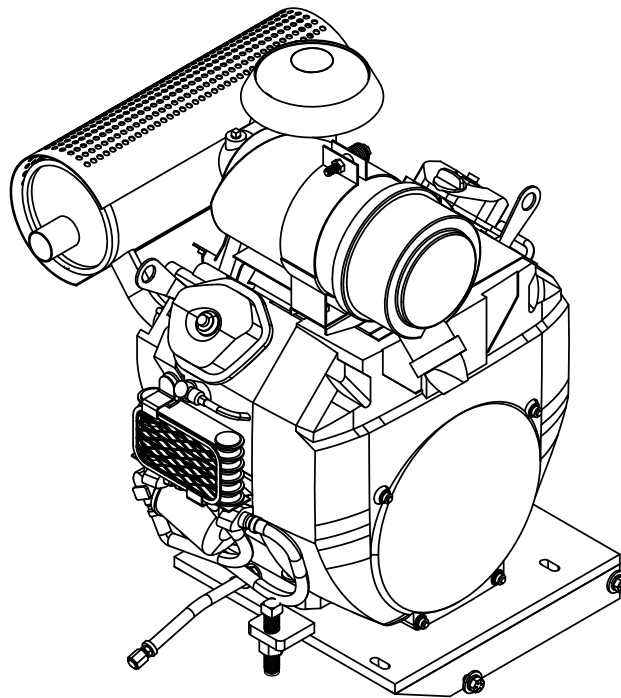
DETAIL B
SCALE 1 : 4

ENGINE ASSEMBLY, 6081009

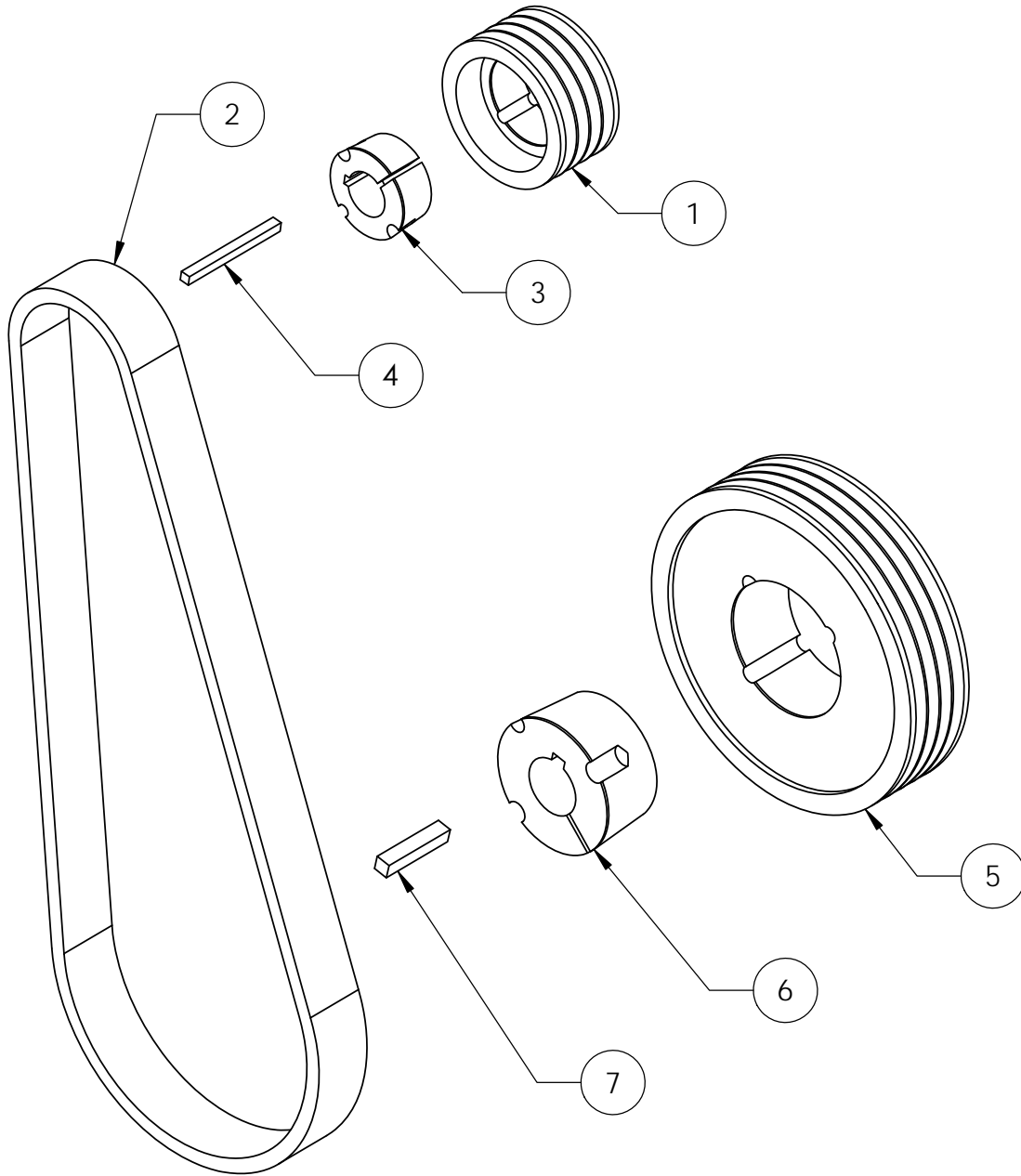


ENGINE ASSEMBLY, 6081009

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	6080009	ENGINE MOUNT PLATE	1
2	2600642	ENGINE	1
3	6048195	PULLY, 1 1/8" BORE	1
4	2900036	SET SCREW, 5/16-18 X 1/4", SOC.HD	2
5	2900079	BOLT, 3/8-16 x 2 1/4", HEX HEAD	4
6	2901829	FLAT WASHER, 3/8"	12
7	2901747	3/8-16 NYLOCK NUT	4
8	2907045	LOCK WASHER, 3/8"	4
9	2907044	BOLT, 3/8-16 X 1", HEX HEAD	4
10	2708046	MUFFLER	1
11	2900081	SET SCREW, 5/8-11 X 3", SQ. HEAD	1
12	2901741	HEX NUT, 5/8-11	1
13	6048043	OIL DRAIN HOSE	1
14	2701940	EXHAUST MANIFOLD GASKET	2
15	2703556	AIR CLEANER	1
15A	2701884	REPLACEMENT, PRE-AIR CLEANER CAP	-

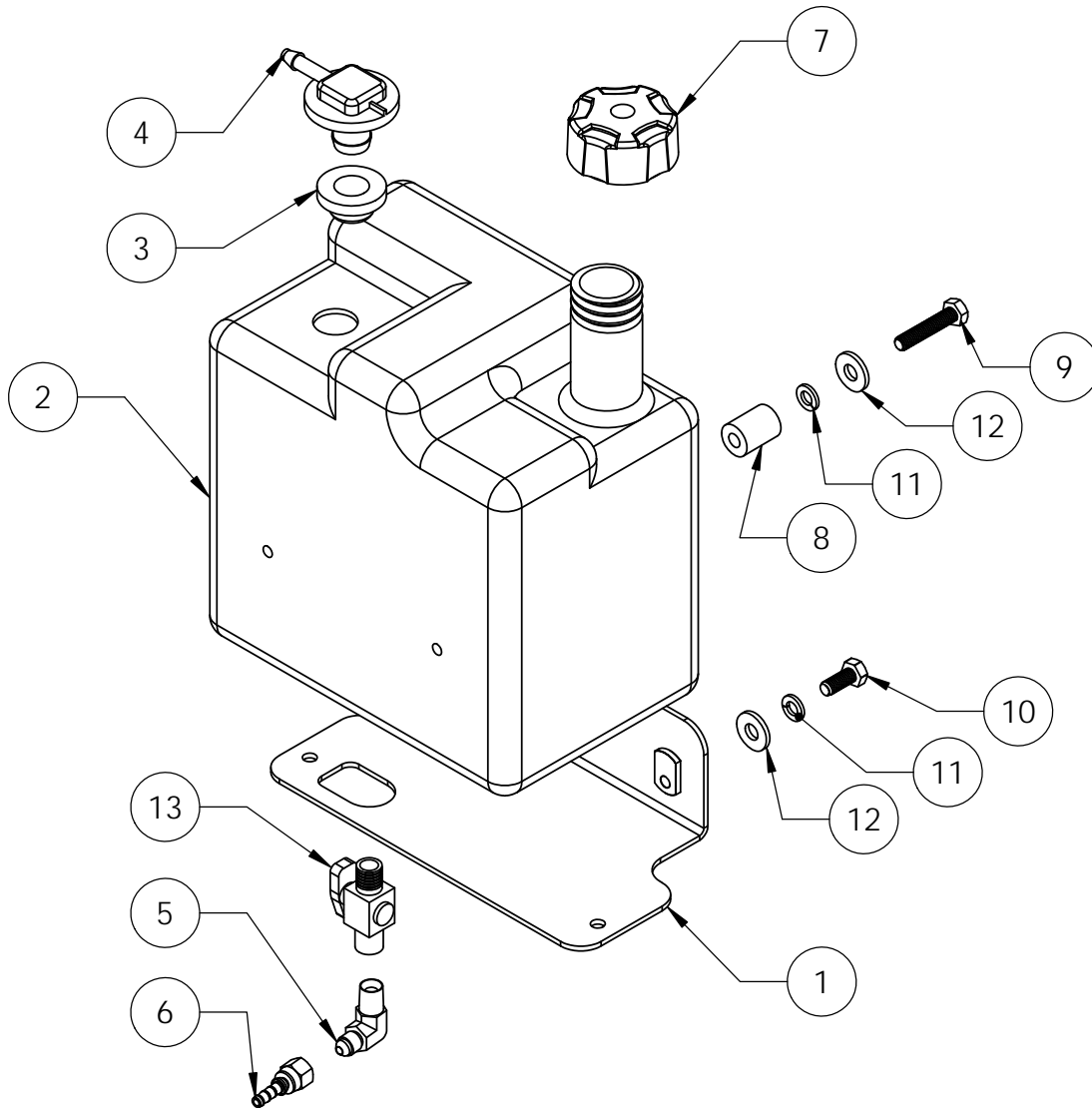


BELT DRIVE SUBASSEMBLY, 6081010



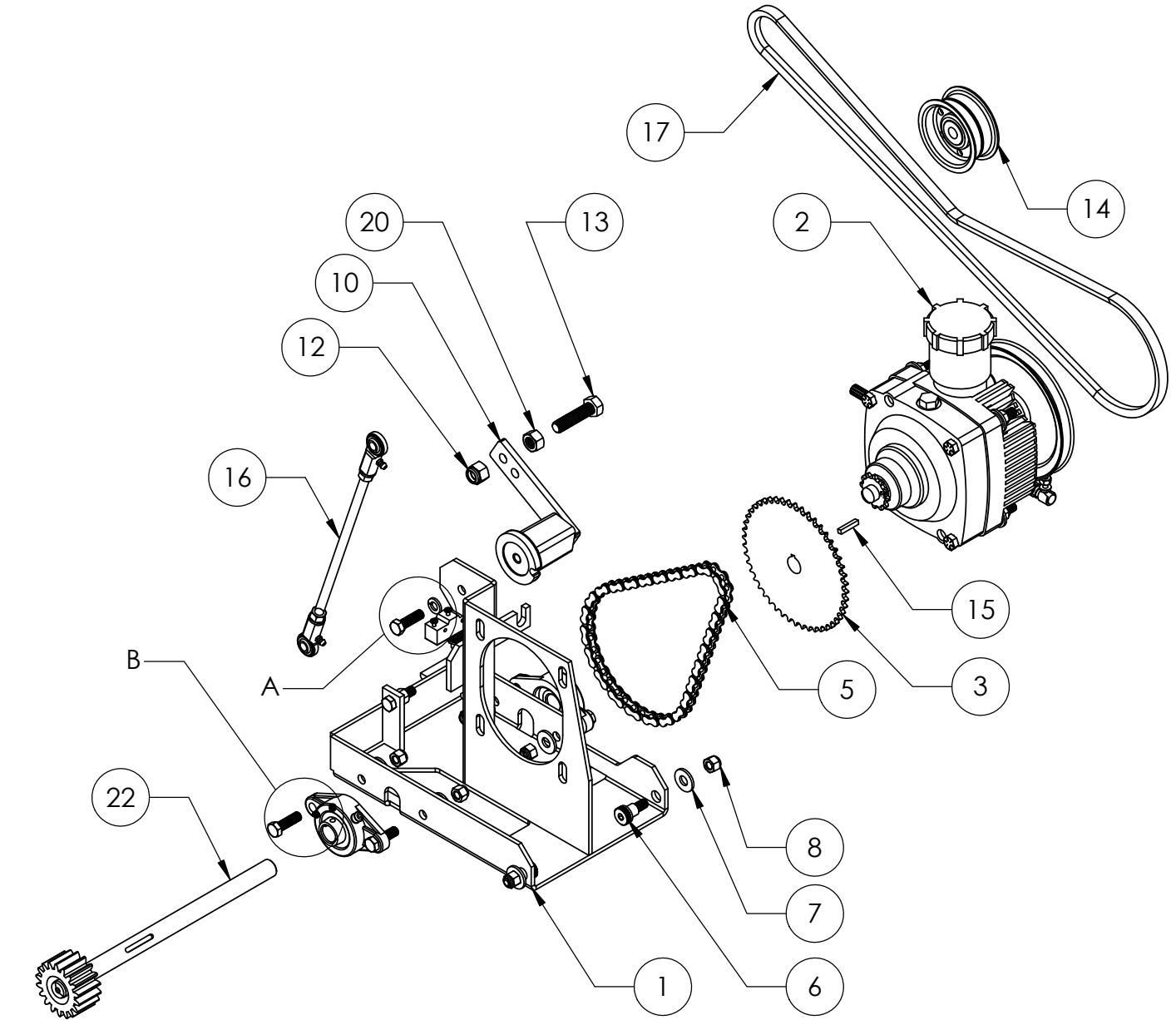
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	2504531	SHEAVE	1
2	2500437	BANDED BELT	1
3	2500031	TAPER BUSHING	1
4	6047977	KEY, 1/4" SQ. X 3"	1
5	2504530	SHEAVE	1
6	2504533	BUSHING	1
7	6011224	KEY, 3/8" SQ. X 2"	1

FUEL TANK ASSEMBLY, 7101442



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	6048327	BRACKET	1
2	6010846	FUEL TANK	1
3	2506716	GROMMET	1
4	2502484	VENT, ROLL OVER	1
5	3200057	ELBOW, 1/4"PIPE TO 1/4" JIC	1
6	3200091	FITTING, 1/4" F. JIC TO 1/4"	1
7	2506718	FUEL CAP	1
8	2900797	STANDOFF, 3/4 X 1"	2
9	2900792	BOLT, M8 x 40mm, HEX HEAD	2
10	2900329	BOLT, M8-1.25 X 20, HEX HEAD	2
11	2901697	LOCK WASHER, 5/16"	4
12	2901818	FLAT WASHER, 5/16"	4
13	3200108	FUEL SHUT-OFF VALVE	1

REAR DRIVE ASSEMBLY, 6081007

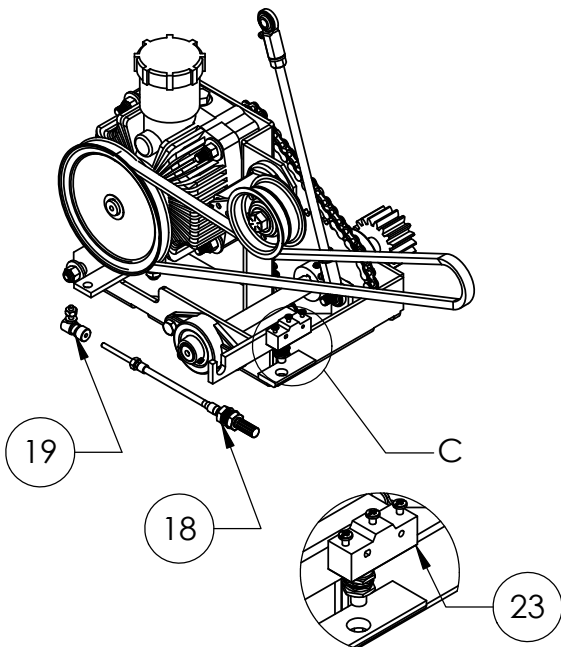


DETAIL A
SCALE 2 : 5

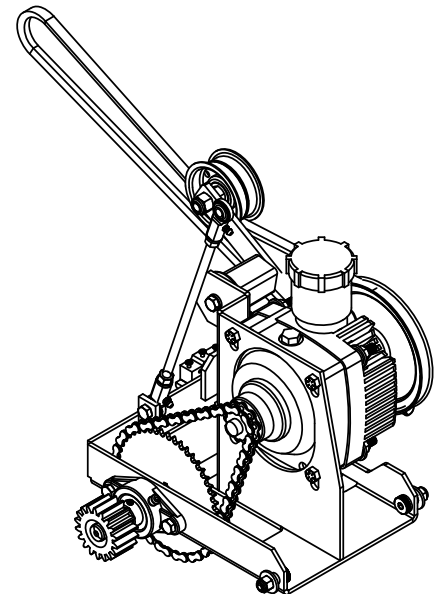
DETAIL B
SCALE 2 : 5

REAR DRIVE ASSEMBLY, 6081007

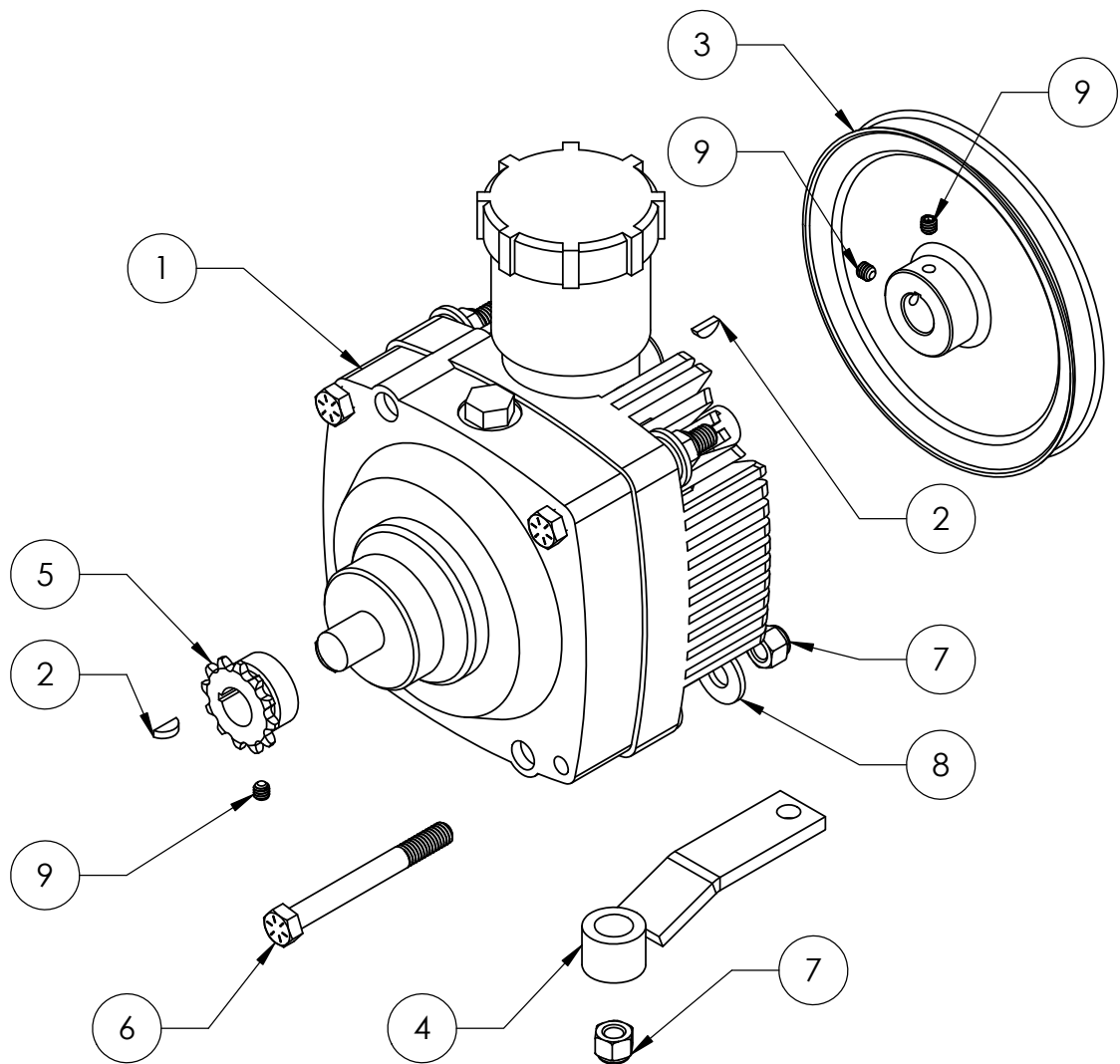
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	6080007	TRANSMISSION PLATFORM	1
2	6081006	TRANSMISSION ASSEMBLY	1
3	2500018	SPROCKET, 48 TEETH W/ SETSCREWS	1
4	2500011	BEARING, 3/4" FLANGE BLOCK	2
5	6048232	CHAIN	1
6	2900588	SHOULDER BOLT, 1/2 X 1/2"	2
7	2901829	3/8" FLAT WASHER	6
8	2901747	3/8"-16 HEX LOCK NUT, NYLON INSERT	7
9	2901660	3/8"-16 X 1 1/4" HEX	6
10	2502666	IDLER TENSIONER	1
11	2907045	3/8" LOCK WASHER	1
12	2901749	1/2"-13 HEX LOCK NUT, NYLON INSERT	1
13	2901680	1/2"-13 X 2", HEX HEAD	1
14	2502566	IDLER PULLEY, 2 3/4" FLAT	1
15	6010170	KEY, SQ. 3/16 X 1"L	1
16	6010703	TRANSMISSION LINKAGE ASSEMBLY	1
17	2506423	V-BELT	1
18	2506424	TRANSMISSION CABLE	1
19	2502132	BALL JOINT 1/4-28 X 10-32	1
20	2901695	1/2"-13 HEX NUT	1
21	2900056	SET SCREW, 1/2-20 X 1/4"L	4
22	7800236	TRANSMISSION JACKSHAFT 18T	1
23	2800926	LIMIT SWITCH	1



DETAIL C
SCALE 1 : 4

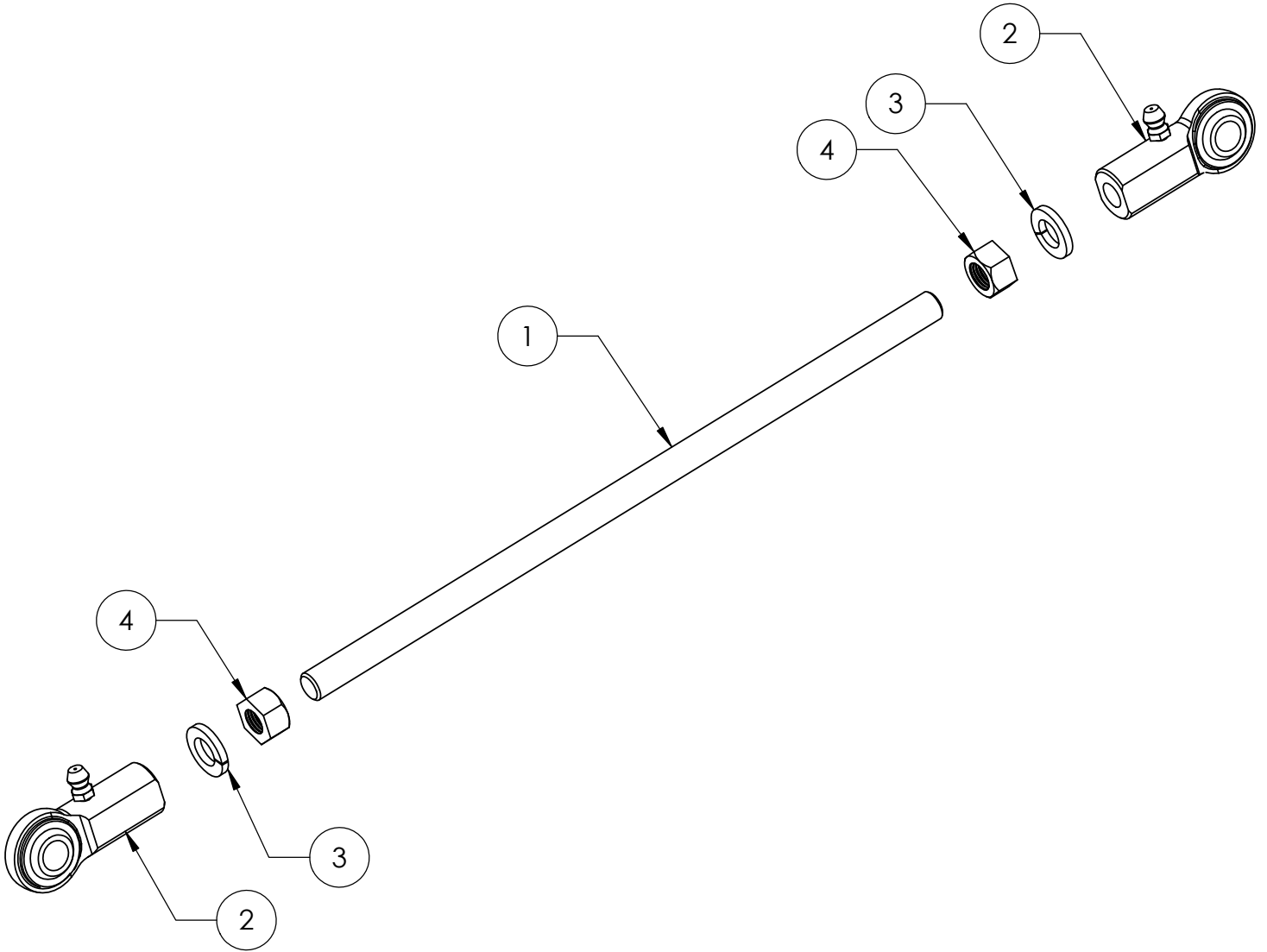


TRANSMISSION ASSEMBLY, 6081006



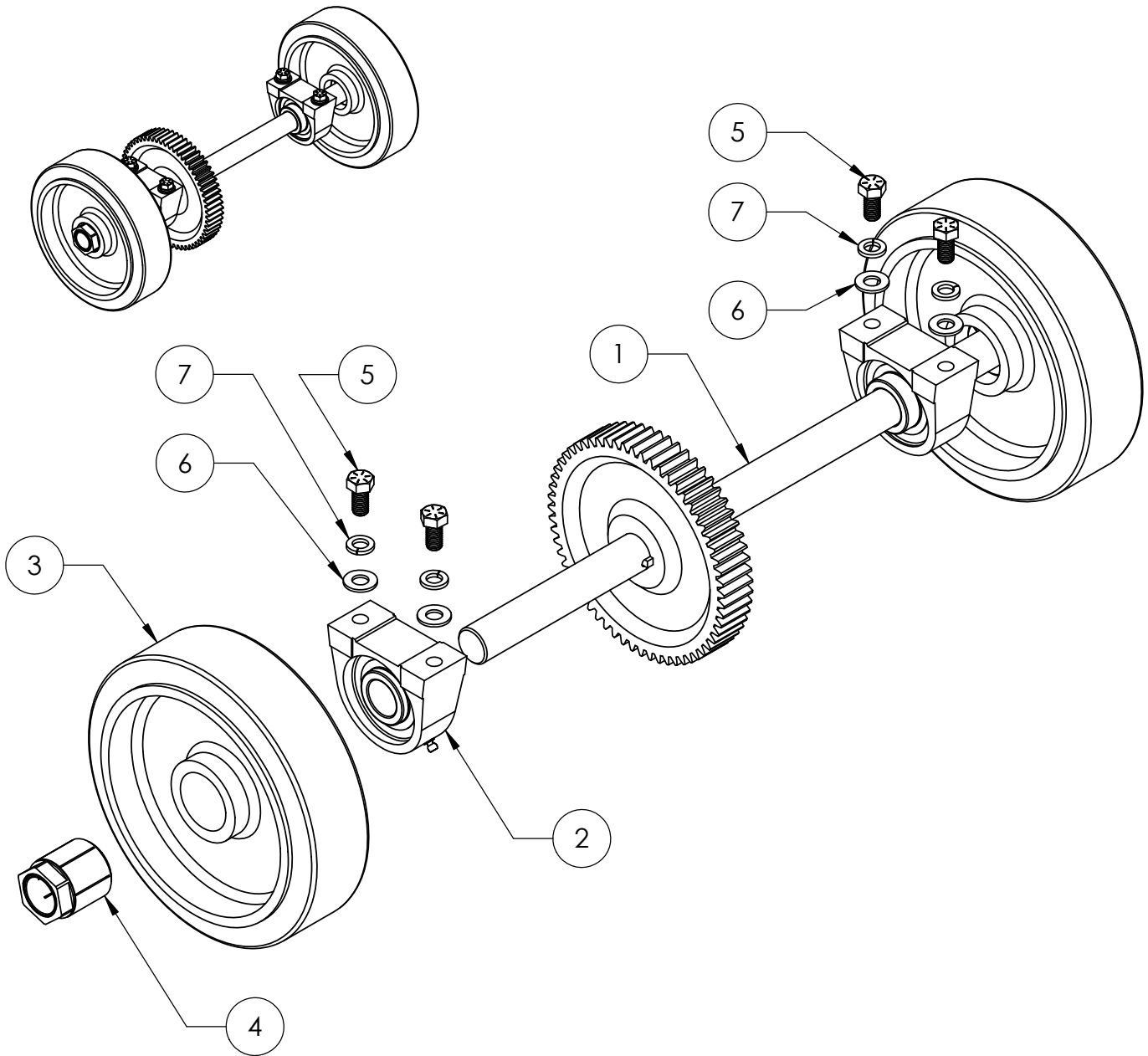
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	2600015	TRANSMISSION	1
2	2900068	WOODRUFF KEY	2
3	2500016	PULLY, 6"	1
4	6048211	SHIFT LEVER	1
5	2500017	SPROCKET, 12 TEETH	1
6	2901743	3/8"-16 X 3 1/2" HEX, 1" THREAD	4
7	2901747	3/8"-16 HEX LOCK NUT, NYLON INSERT	5
8	2901829	3/8" FLAT WASHER	4
9	2900056	SET SCREW, 1/2-20 X 1/4"L	3

TRANSMISSION LINKAGE ASSEMBLY, 6010703



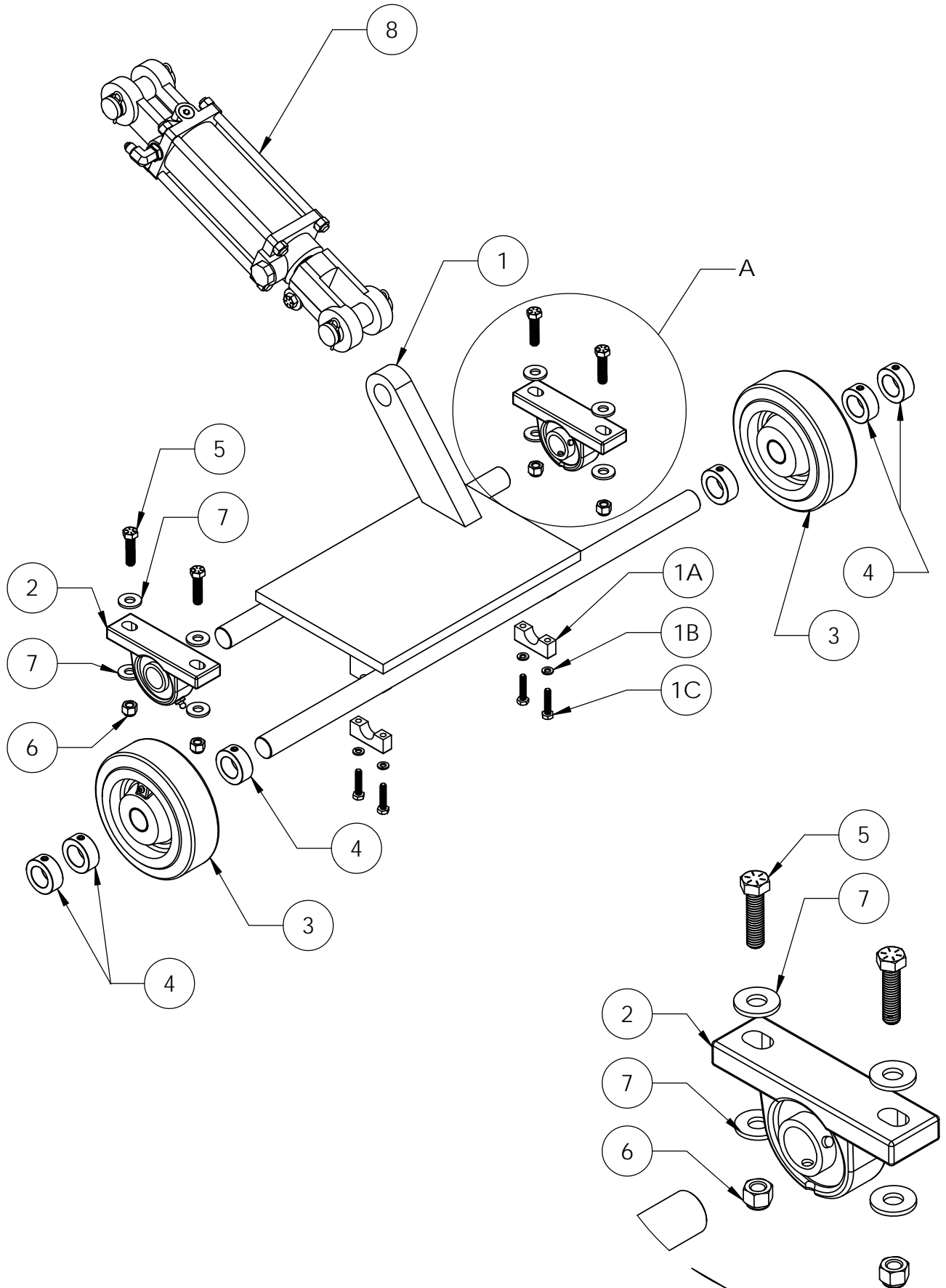
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	6010168	THREADED ROD, 3/8-24 X 9 3/4"L	1
2	2500152	ROD ENDS, 3/8-24	2
3	2907045	3/8" LOCK WASHER	2
4	2900148	HEX NUT, 3/8-24"	2

REAR AXLE ASSEMBLY, 6081008



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	6080008	REAR AXLE WELDMENT	1
2	2500158	BEARING, PILLOW BLOCK 1 1/4"	2
3	2500873	WHEEL, 10" REAR W/ 2" BORE	2
4	2500874	BUSHING, 1-1/4" TRANTORQUE	2
5	2901674	1/2"-13 X 1" HEX	4
6	2901830	1/2" FLAT WASHER	4
7	2901534	1/2" LOCK WASHER	4

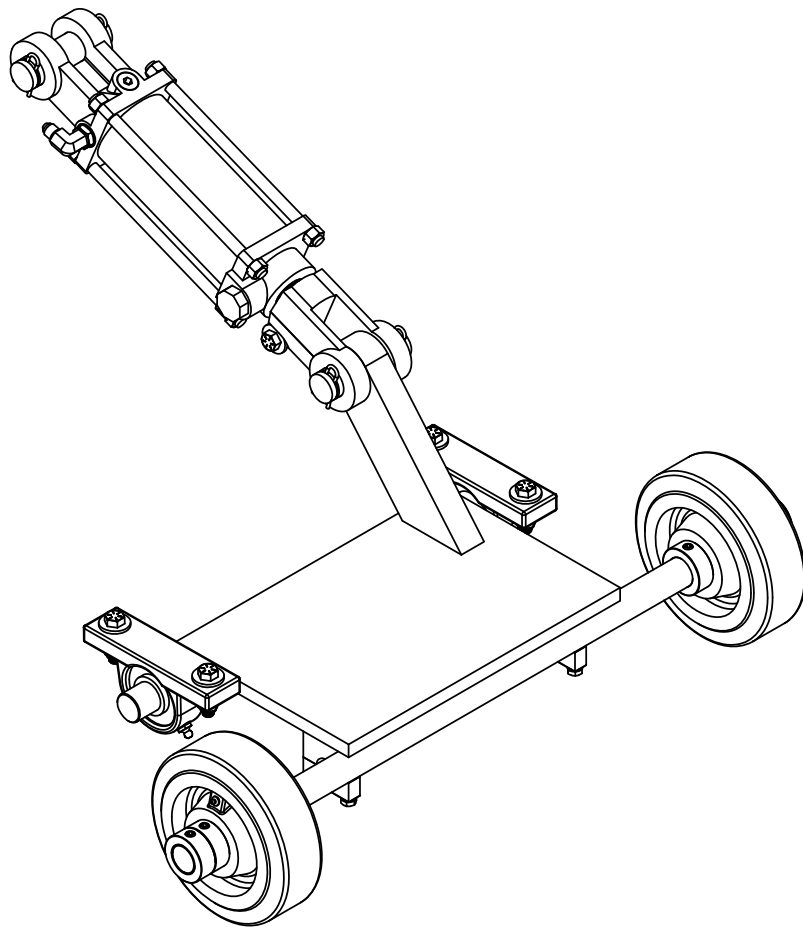
FRONT AXLE ASSEMBLY, 6081005



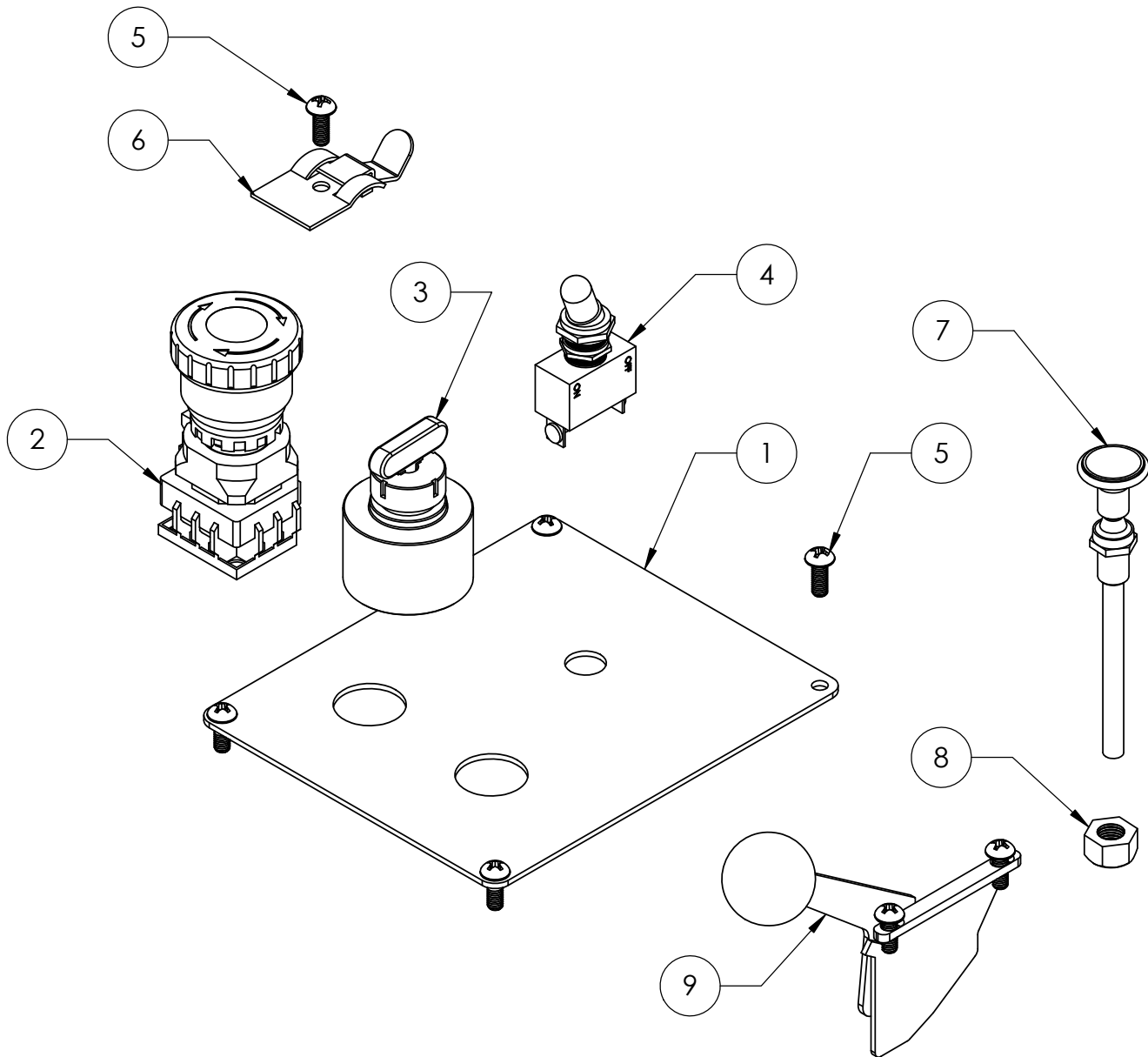
DETAIL A
SCALE 1 : 3

FRONT AXLE ASSEMBLY, 6081005

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	6080013	FRONT AXLE WELDMENT	1
1A	6093100	SPRAY BAR REMOVABLE CLAMP	2
1B	2901696	LOCK WASHER, 1/4"	4
1C	2901663	BOLT, 1/4-20 X 1 1/4", HEX HEAD	4
2	2500013	PILLOWBLOCK BEARING, 1"	2
3	2500299	WHEEL, 2 X 6 X 1"	2
4	2500009	SET COLLAR, 1" ID	6
5	2901670	BOLT, 3/8-16 X 1 1/2", HEX HEAD	4
6	2901747	NYLOCK NUT, 3/8-16"	4
7	2901829	FLAT WASHER, 3/8"	8
8	7101498	LIFT CYLINDER	1

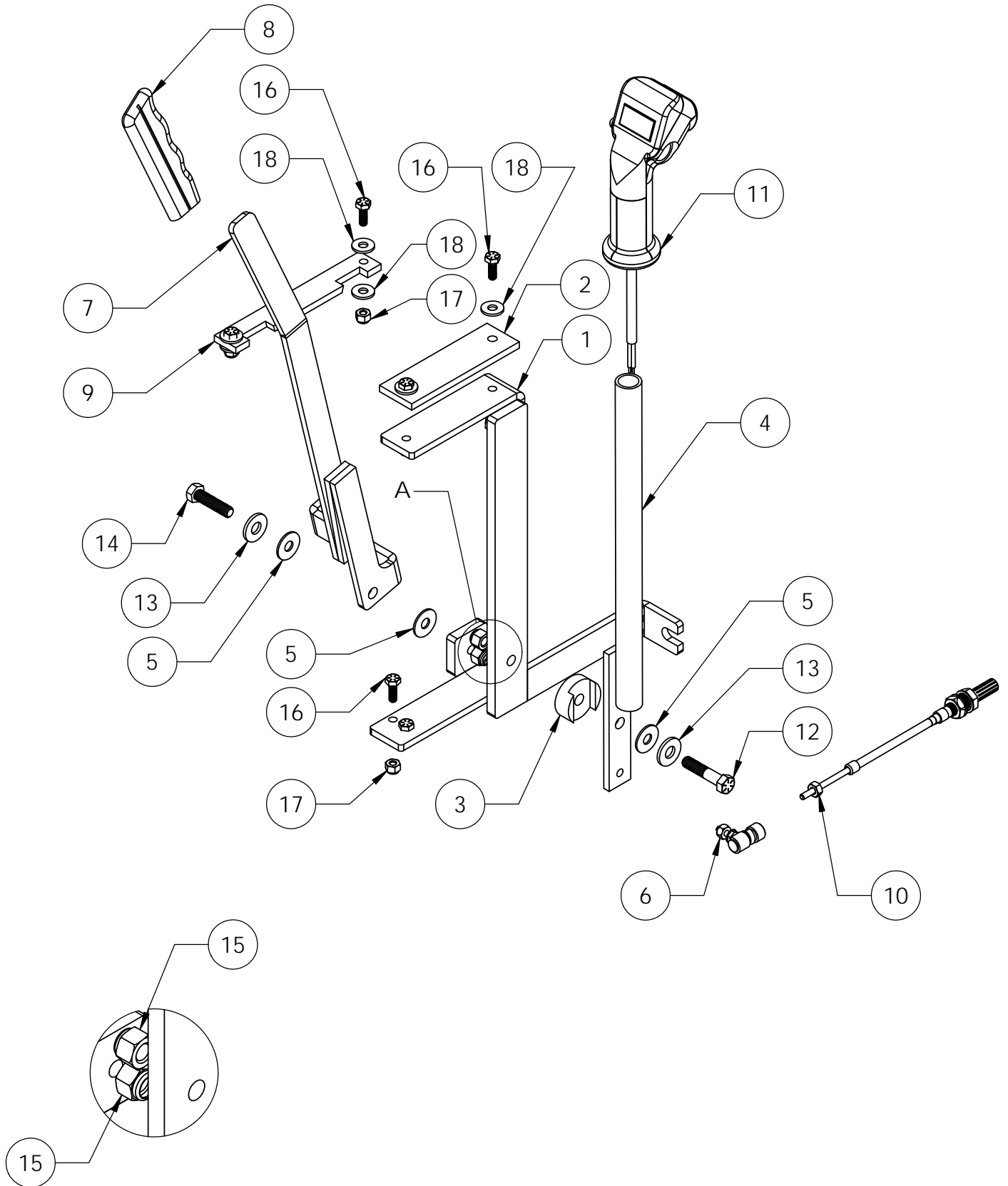


CONTROL PANEL ASSEMBLY, 7100954



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	6080011	SWITCH PLATE	1
2	2801367	E-STOP SWITCH	1
3	2704280	IGNITION SWITCH	1
4	7800728	WATER SAFETY SWITCH	1
5	2901142	#10-32 X 1/2", ROUND HEAD, PHILLIPS	7
6	2504069	SNAP DOWN LATCH	1
7	2500186	CHOKE CABLE	1
8	2900148	HEX NUT, 3/8-24"	1
9	2500752	THROTTLE CONTROL	1

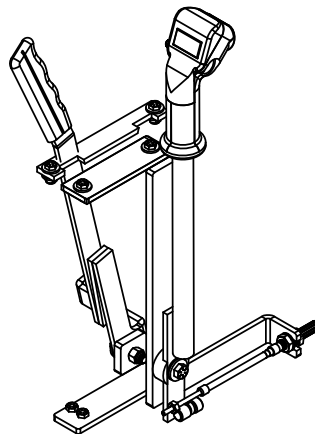
CONTROL LEVER ASSEMBLY, 6081001



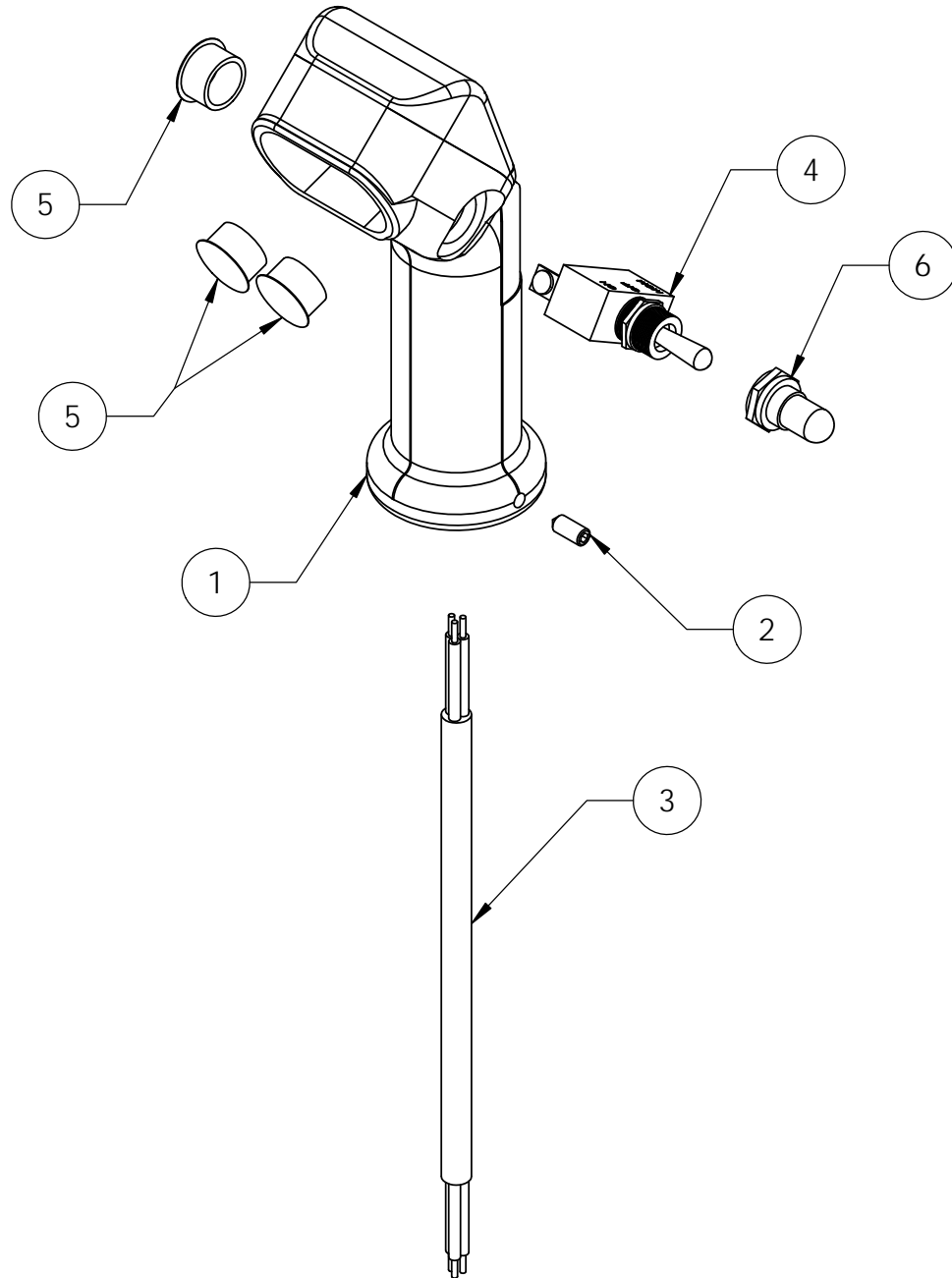
DETAIL A
SCALE 2 : 4.5

CONTROL LEVER ASSEMBLY, 6081001

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	6080017	LEVER SUPPORT WELDMENT	1
2	2501339	RUBBER SUPPORT MOUNT	1
3	6010055	FRICITION SPACER	1
4	6080018	SPEED CONTROL LEVER	1
5	2900153	FRICITION WASHER, 3/8"	3
6	2502132	BALL JOINT	1
7	6080019	ENGAGEMENT LEVER WELDMENT	1
8	2500002	LEVER GRIP	1
9	6010058	GATE PLATE	1
10	2506424	TRANSMISSION CABLE	1
11	7101441	CONTROL GRIP ASSEMBLY	1
12	2901808	BOLT, 3/8-16 X 1 3/4", HEX HEAD	1
13	2901829	FLAT WASHER, 3/8"	2
14	2901670	BOLT, 3/8-16 X 1 1/2, HEX HEAD	1
15	2901747	NYLOCK NUT, 3/8-16"	2
16	2901662	BOLT, 1/4-20 X 3/4", HEX HEAD	6
17	2901745	NYLOCK NUT, 1/4-20"	6
18	2901817	FLAT WASHER, 1/4"	6

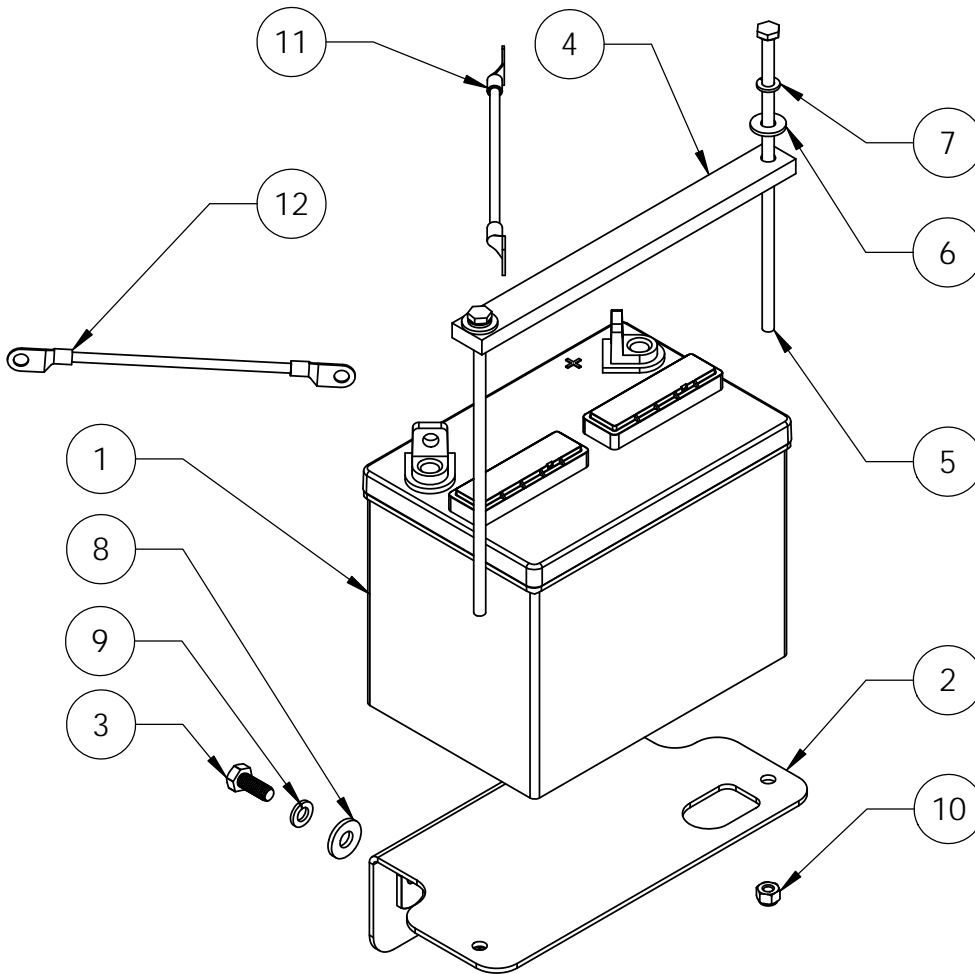


CONTROL GRIP ASSEMBLY, 7101441



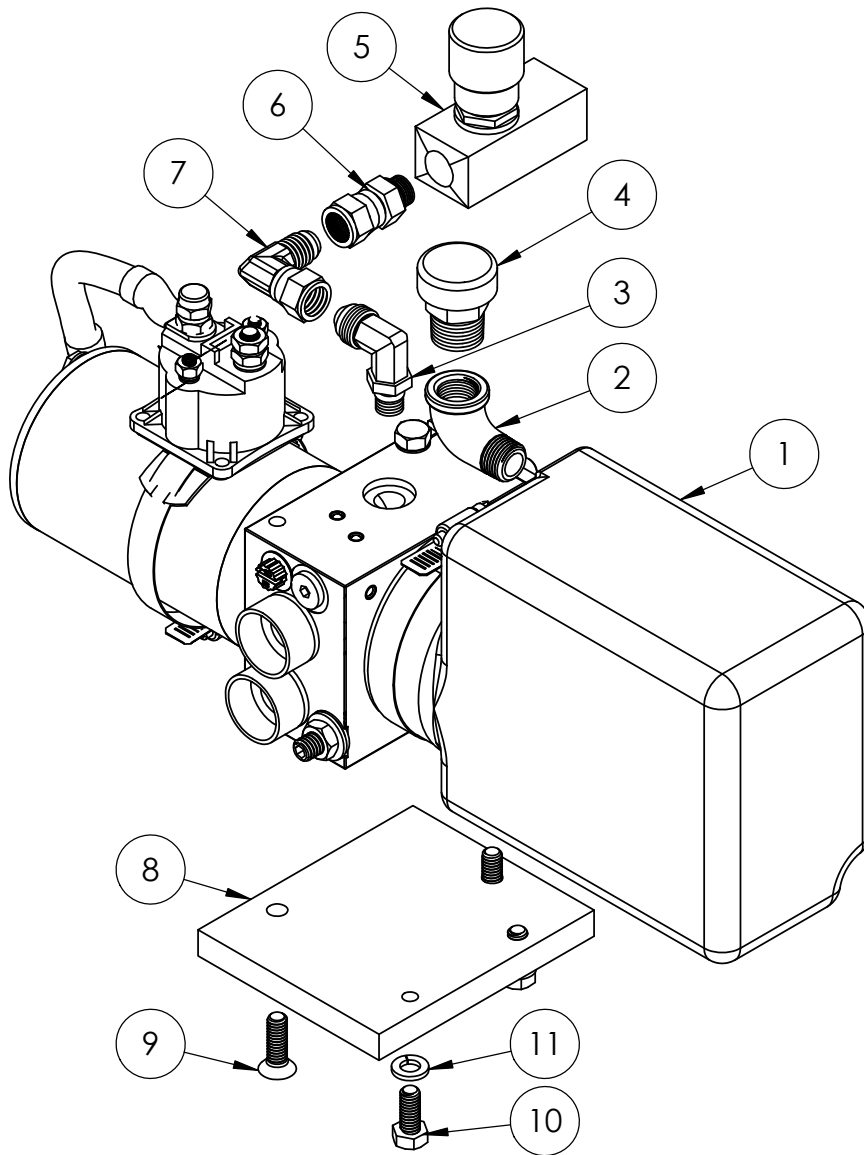
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	2501280	CONTROL GRIP, BODY	1
2	2900453	SETSCREW, M5 X 12, SOCKET	1
3	2800393	HYDRAULIC PUMP HARNESS	1
4	2800777	SWITCH, TOGGLE, 3 POS, ON/OFF/MOM	1
5	2500694	PLUG, 5/8"	3
6	2800063	TOGGLE BOOT	1

BATTERY ASSEMBLY, 7101443



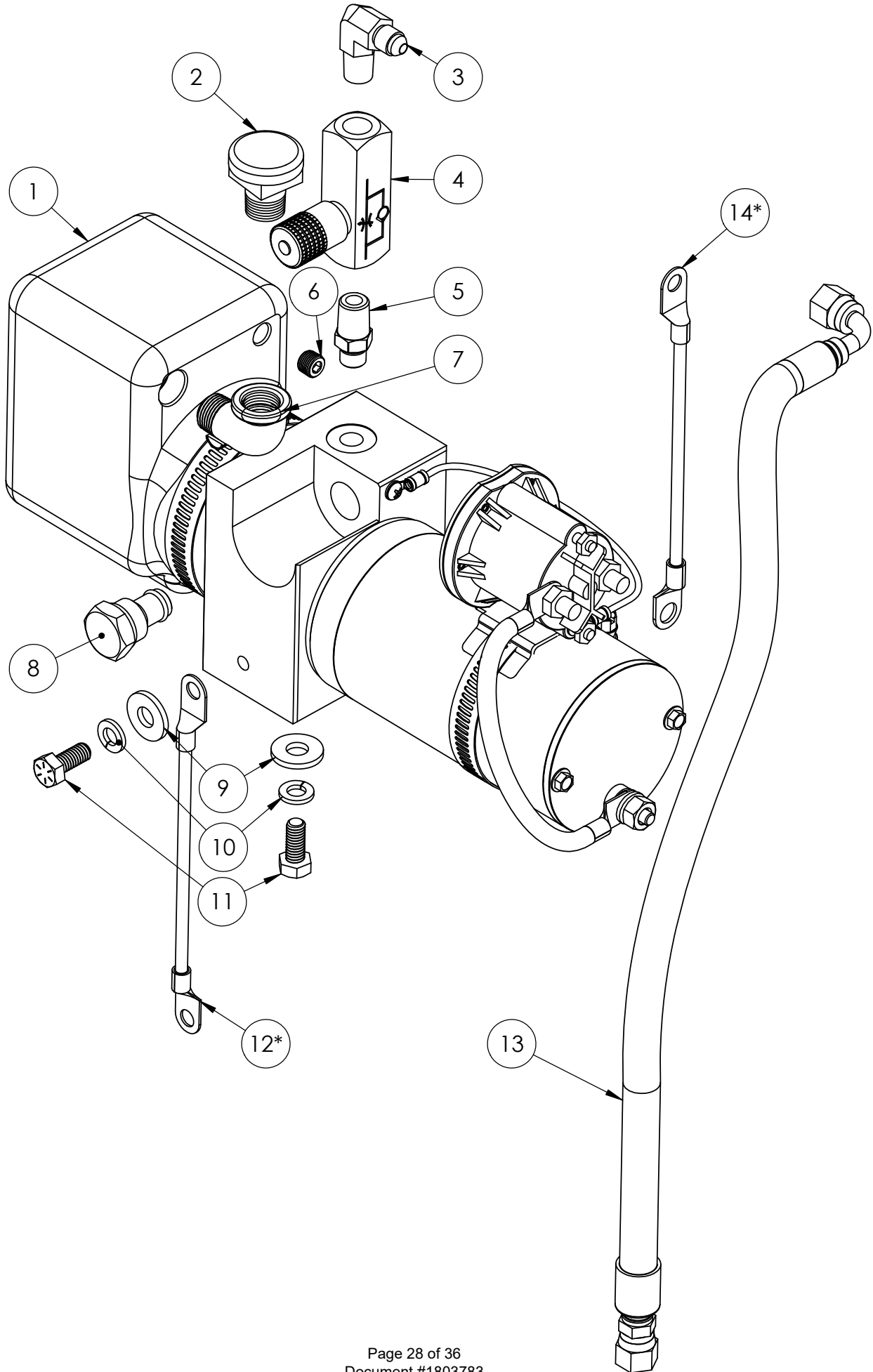
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	2506691	BATTERY, 12V	1
2	6048327	BRACKET	1
3	2900329	BOLT, M8-1.25 X 20, HEX HEAD	2
4	4646122	BATTERY SUPPORT	1
5	2901405	BOLT, 1/4-20 X 7 1/2" HEX HEAD	2
6	2901817	FLAT WASHER, 1/4"	2
7	2901696	LOCK WASHER, 1/4"	2
8	2901818	FLAT WASHER, 5/16"	2
9	2901697	LOCK WASHER, 5/16"	2
10	2901745	NYLOCK NUT, 1/4-20"	2
11	6080100	BATTERY CABLE, RED, 18"	1
12	6048358	BATTERY CABLE, BLACK, 18"	1

LIFT PUMP ASSEMBLY, 7101830



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	2600724	ELECTRO/HYD PUMP W/TANK	1
2	3201356	STREET ELBOW, 3/8"	1
3	2704347	MB-MJ-90-4-6	1
4	2706069	BREATHER, 1/2" MNPT	1
5	2708404	VALVE, LIFT/LOWER	1
6	2703692	ADAPTER, MB-FJX-6-6	1
7	2703514	ADAPTER, MJ-FJX-90-6-6	1
8	7601339	PUMP MOUNT PLATE	1
9	2900174	CAP SCREW, FLAT HEAD, 5/16-18 X 1"	2
10	2901665	5/16"-18 X 3/4", HEX HEAD	2
11	2901697	5/16" LOCK WASHER	2

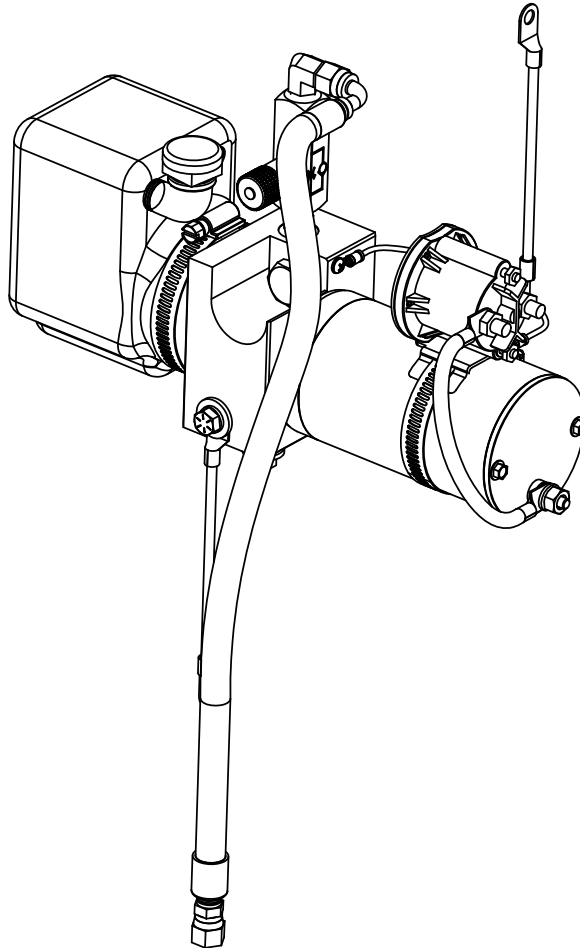
LIFT PUMP ASSEMBLY (OLD STYLE), 7101829



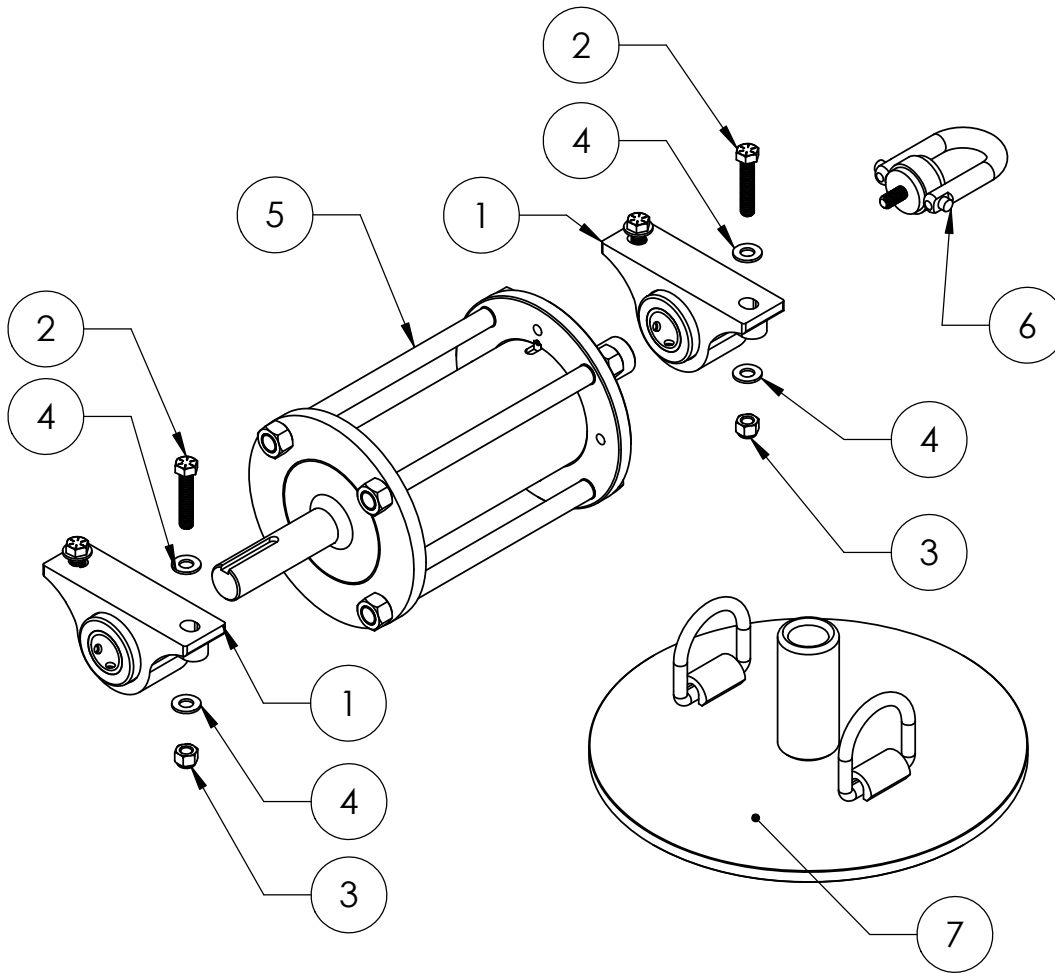
LIFT PUMP ASSEMBLY (OLD STYLE), 7101829

ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	2600692	ELECTO/HYD. PUMP W/TANK, LIFT PUMP	1
2	2706599	BREATHER, 3/8" MNPT	1
3	3200057	ELBOW, 1/4"PIPE TO 1/4" JIC	1
4	3200056	FLOW CONTROL VALVE, 1/4" NPT	1
5	3200758	ADAPTER, 1/4"M. TO 1/4"MPT	1
6	3201094	HEX SOCKET PLUG, 1/8"	1
7	3201356	STREET ELBOW, 3/8"	1
8	3205636	CAVITY PLUG	1
9	2901818	5/16" FLAT WASHER	3
10	2901697	5/16" LOCK WASHER	3
11	2901665	5/16"-18 X 3/4", HEX HEAD	3
12*	6048358	CABLE, ASSEMBLY, 18" BLACK	1
13	3205737	HYDRAULIC HOSE, 16"L	1
14*	6080100	CABLE ASSEMBLY, 18" RED	1

*NOTE: THESE ITEMS ARE PART OF 6081003.



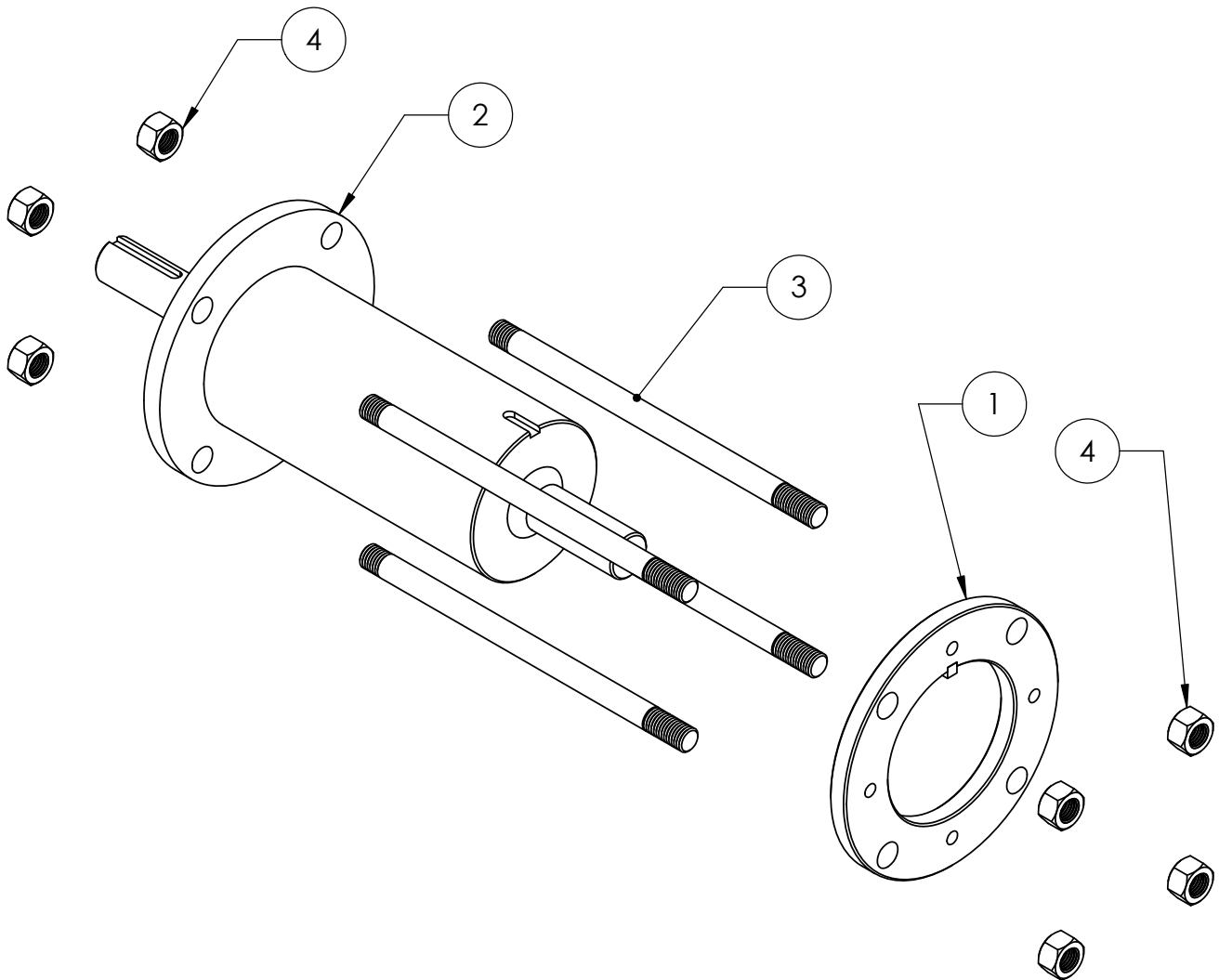
BLADE SHAFT ASSEMBLY, 6081011



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	2705403	PILLOW BLOCK BEARING	2
2	2901675	BOLT, 1/2-13 X 2 1/2", HEX HEAD	4
3	2901749	NYLOCK NUT, 1/2-13"	4
4	2901830	FLAT WASHER, 1/2"	8
5	7100123	BLADE SHAFT SUBASSEMBLY	1

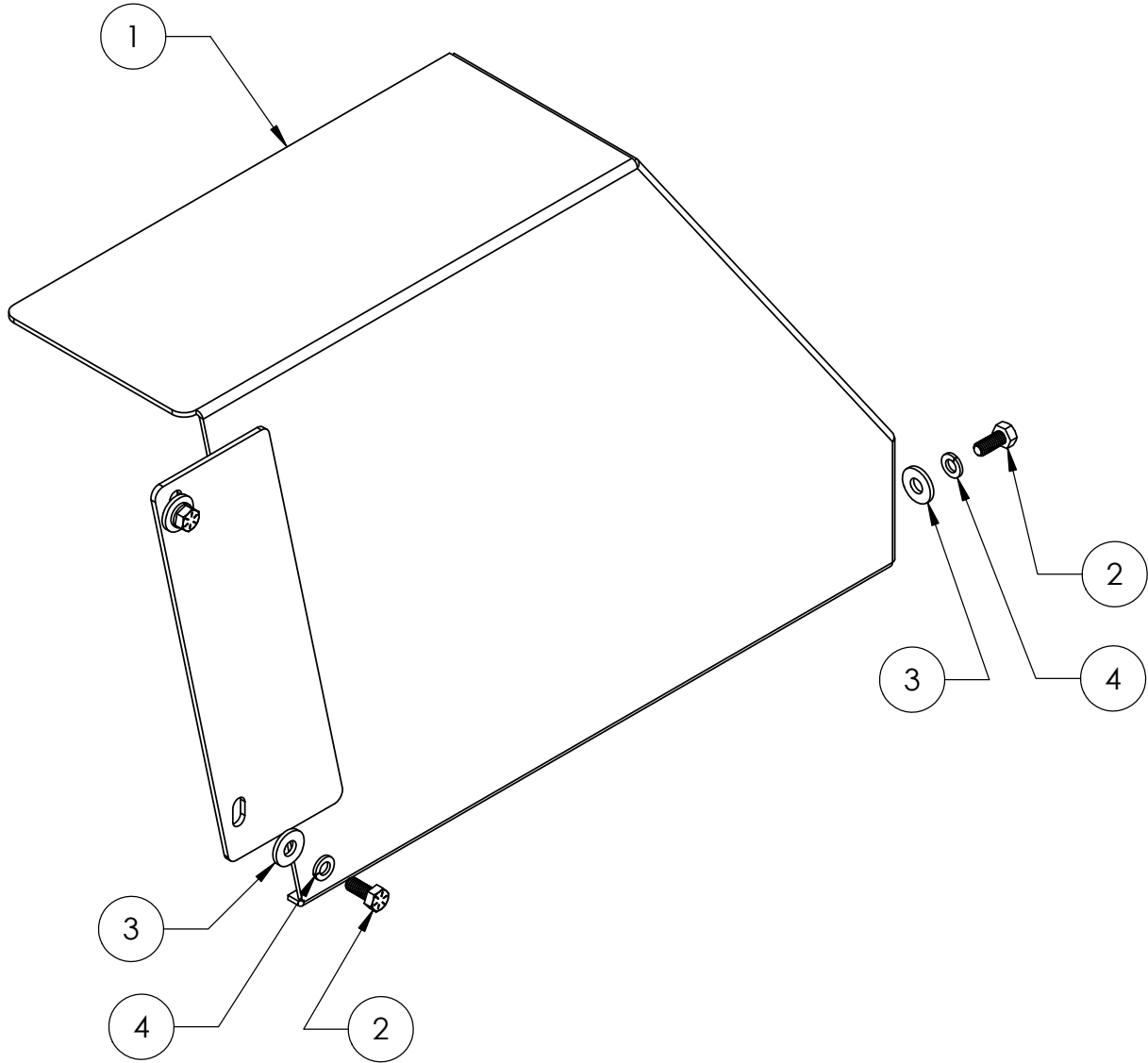
SOLD SEPARATELY			
ITEM NO.	PART NO.	DESCRIPTION	QTY.
6	2504720	HOIST RING	1
7	7501108	BLADE SHAFT STAND	1

BLADE SHAFT, 7100123



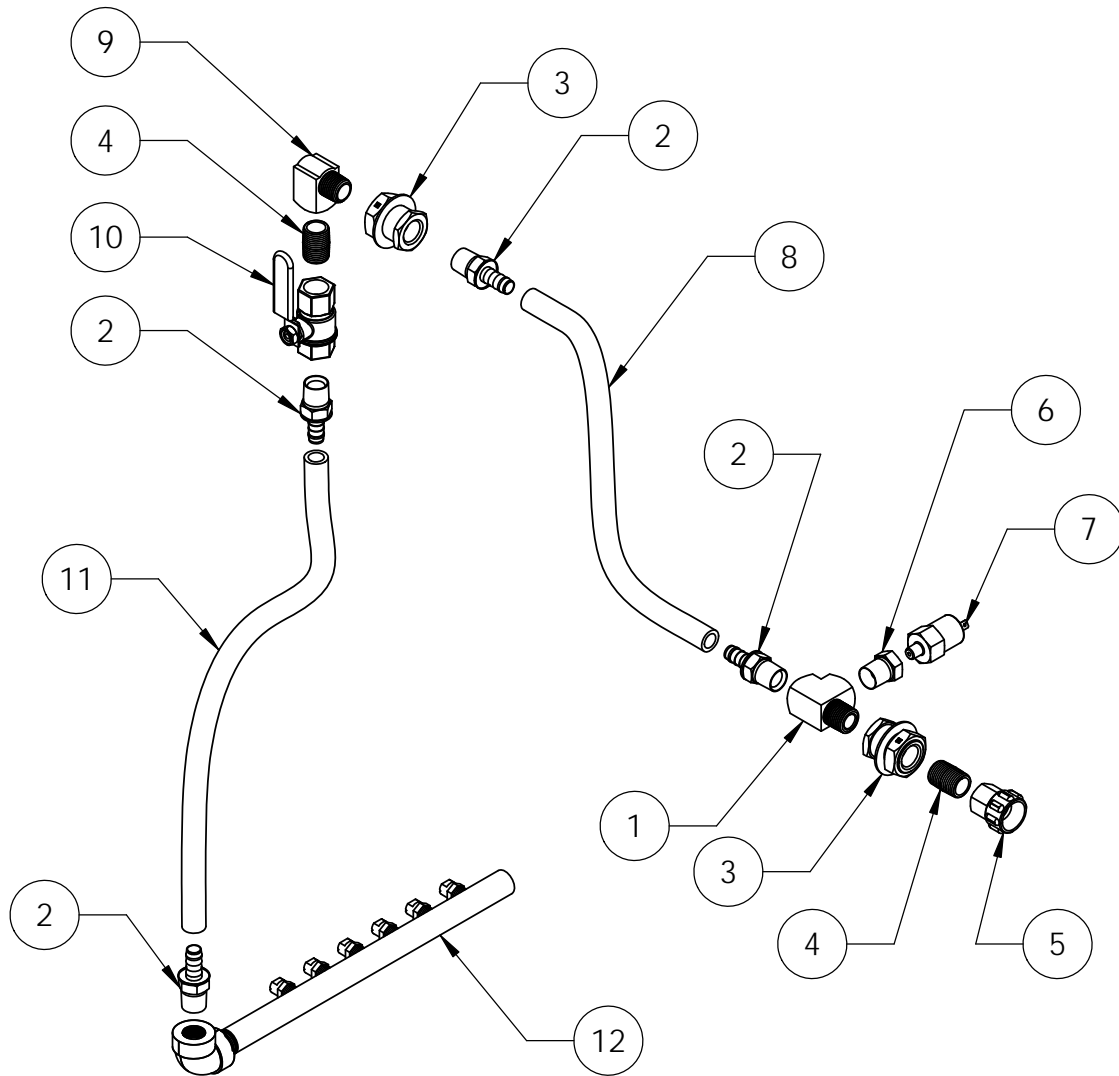
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	7600133	FLANGE, BLADE SHAFT	1
2	7600182	BLADE SHAFT	1
3	7600183	ROD, THREAD, 3/4-16, 12.75 LONG	4
4	2900846	HEX NUT, 3/4-16"	8

BELT GUARD, 6081015



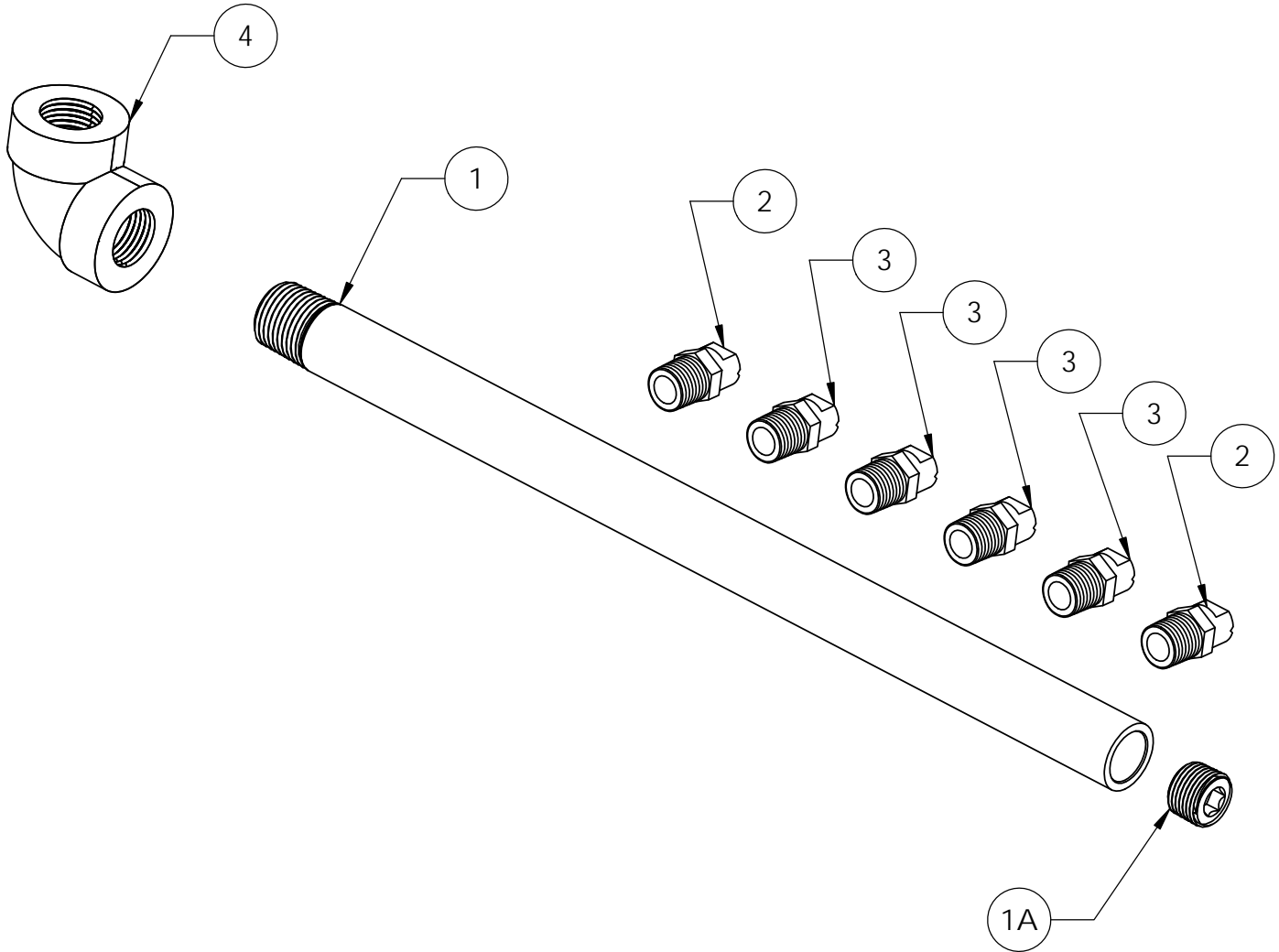
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	6080010	BELT GUARD WELDMENT	1
2	2901665	BOLT, 5/16-18 X 3/4", HEX HEAD	4
3	2901818	FLAT WASHER, 5/16"	4
4	2901697	LOCK WASHER, 5/16"	4

WATER SUPPLY, 6081004



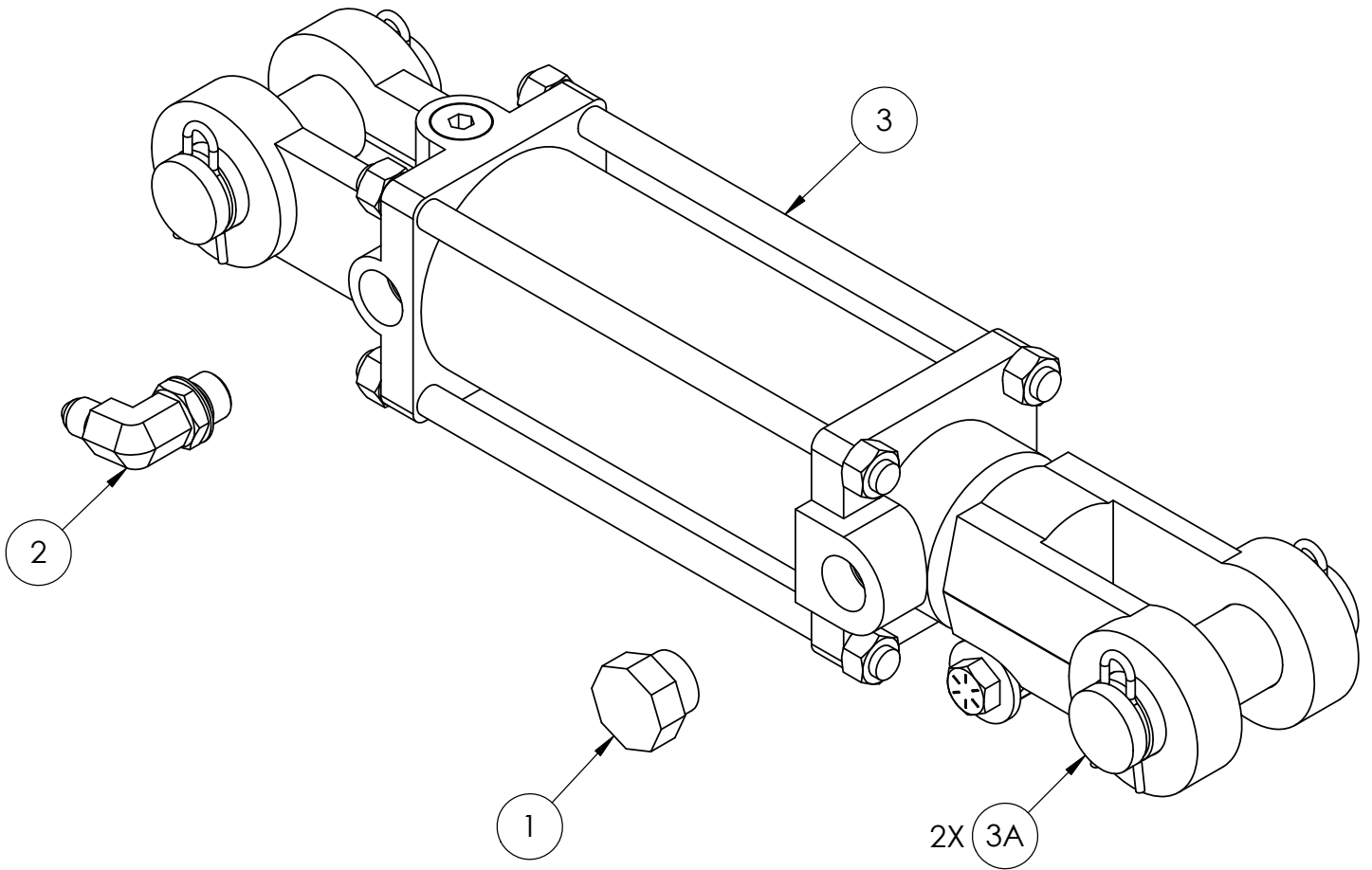
ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	3205583	STREET TEE, 1/2-14", FEMALE	1
2	3200172	FITTING, 1/2" PIPE TO 1/2" PUSHLOK	4
3	3205582	FITTING, BULKHEAD	2
4	3200598	CLOSE NIPPLE, 1/2" NPT	2
5	3200022	FITTING, 1/2"F. PIPE TO 3/4"F.	1
6	3205584	REDUCER, 1/2" TO 1/8" PIPE	1
7	2801431	WATER PRESSURE SAFETY SWITCH	1
8	6080004	WATER HOSE, 1/2" X 18"L.	1
9	3201354	STREET ELBOW, BRASS, 1/2"	1
10	3200027	WATER BALL VALVE, 1/2"	1
11	6080005	WATER HOSE, 1/2" X 36"L.	1
12	6080016	SPRAY BAR	1

SPRAY BAR, 6080016



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	6080015	SPRAY PIPE WELDMENT	1
1 A	3200476	PIPE PLUG, 3/8"	1
2	2504610	NOZZLE, SPRAY, H1/4-8030	2
3	2502263	NOZZLE, SPRAY, H1/4-8015	4
4	3202046	ELBOW, PIPE, 1/2", 90°	1

LIFT CYLINDER, 7101498



ITEM NO.	PART NO.	DESCRIPTION	QTY.
1	3203151	BREATHER, SIZE 8	1
2	3202307	ADAPTER, MB-MJ-90-8-4	1
3	2705371	CYLINDER, 2 X 4, TIE ROD	1
3A	3201866	REPLACEMENT CYLINDER PIN	-

CG-1 Parts Book

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