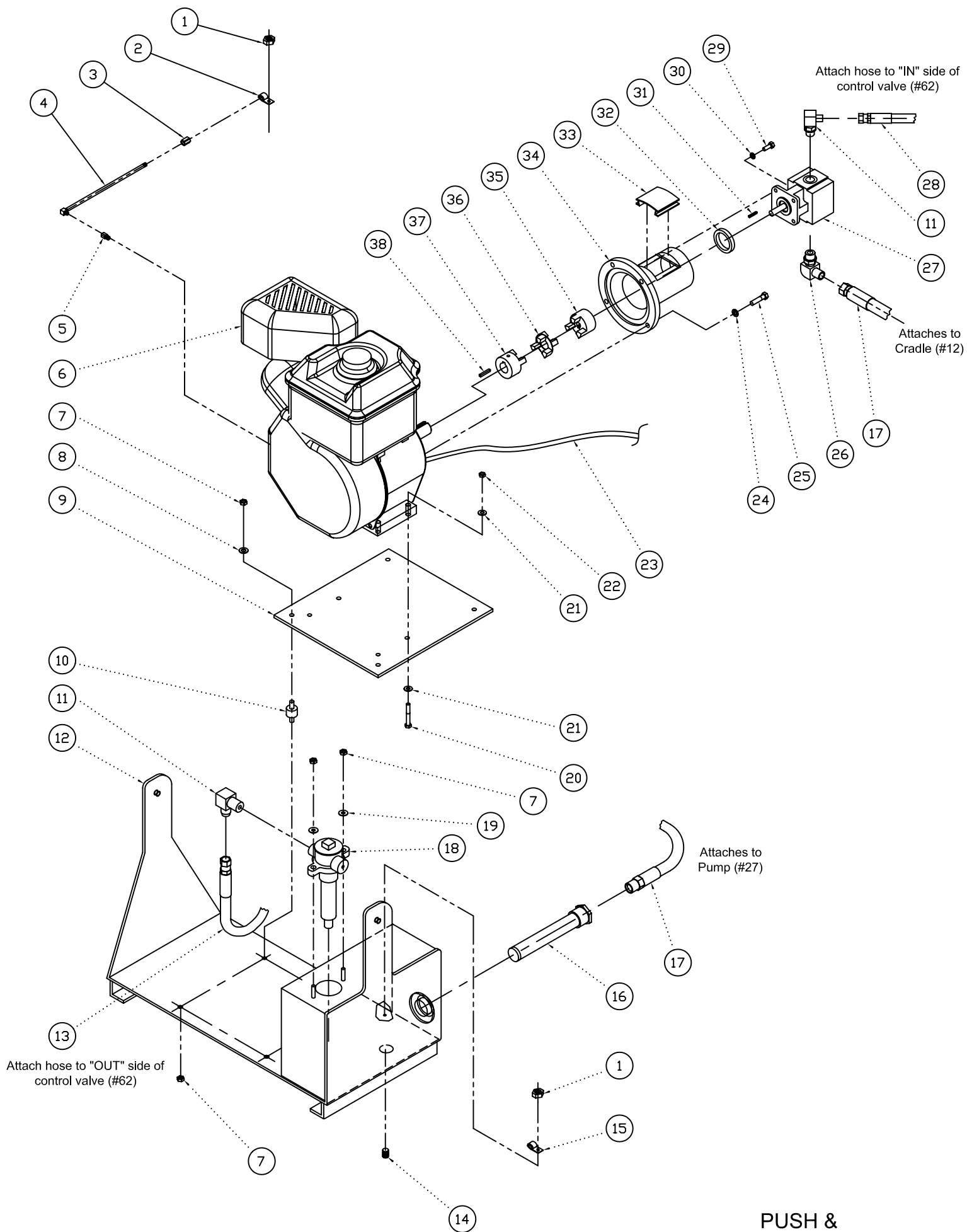


SECTION IV - AUGER PARTS LIST

ITEM #	PART #	QTY	DESCRIPTION
1	090-0470	10	1/4-20 NYLOCK NUT
2	090-0662	2	3/8" CUSHIONED CLAMP
3	850-2910	1	PIPE CAP
4	850-4286	1	OIL DRAIN ASSY
5	850-7098	1	OIL DRAIN ADAPTER – HONDA ENGINE
5	850-7099	1	OIL DRAIN ADAPTER – B&S INTEK IC & ROBIN ENGINE
6	030-0288	1	9 HP HONDA
6	030-0447	1	9 HP ROBIN
6	030-0448	1	10 HP B&S
7	090-0639	10	5/16-18 THIN NYLOCK NUT
8	090-0233	4	5/16 USS FLATWASHER
9	850-0010	1	ENGINE MOUNT PLATE
10	850-1148	4	MOTOR MOUNT
11	850-7085	8	ADAPTER, 90DEG WITH O-RING
12	850-5003	1	CRADLE WELDMENT
13	850-8303	1	90" HOSE, FILTER TO CONTROL VALVE
14	850-2920	1	1/2" PLUG
15	090-0661	5	3/4" CUSHIONED CLAMP
16	850-2845	1	SUCTION STRAINER
17	850-8276	1	18" HOSE, PUMP TO TANK
18	030-0494	1	RETURN FILTER
19	090-0476	2	5/16 SAE FLATWASHER
20	090-0113	4	3/8-16 X 1-3/4" HHCS
21	090-0234	6	3/8" FLATWASHER
22	090-0461	9	3/8-16 NYLOCK NUT
23	850-0022	1	WIRE HARNESS
24	090-0228	12	3/8" LOCKWASHER
25	090-0111	6	3/8-16 X 1-1/4" HHCS
26	850-7051	1	ADAPTER, PUMP INLET
27	850-0087	1	HYDRAULIC PUMP
28	850-8287	3	66" HOSE, PUMP TO CONTROL VALVE & WHEEL MOTOR
29	090-0066	4	5/16-18 X 3/4" HHCS
30	090-0394	4	5/16" LOCKWASHER
31	090-0664	1	#5 WOODRUFF KEY, PUMP SHAFT
32	850-2847	1	INSERT, PUMP MOUNT
33	850-2843	2	PUMP MOUNT COVER
34	850-2840	1	PUMP TO ENGINE MOUNT HOUSING
35	850-9014	1	COUPLING, 1/2" X .125"
36	850-9018	1	COUPLING INSERT
37	850-9017	1	COUPLING, 1" X .25"
38	500-0031	1	1/4" X 1/4" X 1" KEY
39	090-0110	4	3/8-16 x 1" HHCS
40	850-0088	1	AUGER BIT HYDRAULIC MOTOR
41	850-7057	4	ADAPTER, MOTOR PORT
42	850-8305	1	30" HOSE, CONTROL VALVE TO MOTOR
43	850-8306	1	36" HOSE, CONTROL VALVE TO MOTOR
44	850-7087	4	ADAPTER, 90d SWIVEL
46	850-6001	1	COMPLETE DRIVE ADAPTER WITH HARDWARE – SEE PAGE 31
48	090-0655	1	CLEVIS PIN 1/4" X 2"
49	850-1205	1	PIN, EXPANSION
50	850-4998	1	PIVOT PIN
51	090-0656	1	HAIR PIN
52	090-0660	4	SHOULDER BOLT
54	850-4997	1	BRACKET, PIN

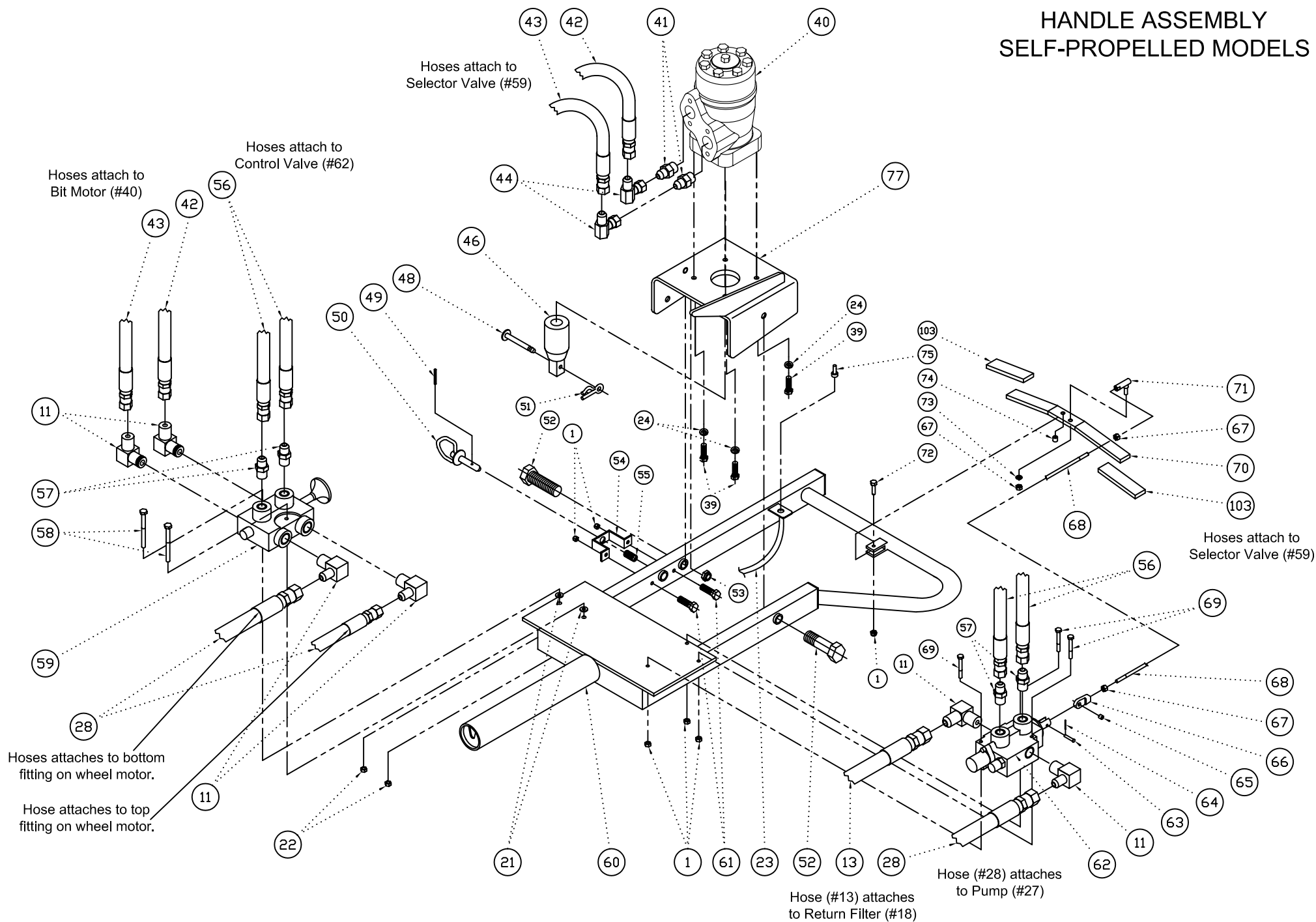
55	850-1204	1	SPRING, PIVOT PIN
56	850-8300	2	24" HOSE, SELECTOR VALVE TO CONTROL VALVE
57	850-7084	4	ADAPTER, CONTROL VALVE
58	090-0115	3	3/8-16 X 2 1/2" HHCS
59	850-3614	1	SELECTOR VALVE, 6 WAY
60	850-0075	1	LOWER HANDLE WELDMENT
61	090-0057	2	1/4-20 X 1-1/2" HHCS
62	850-0092	1	CONTROL VALVE, 4-WAY RELIEF
63	090-0651	1	CLEVIS PIN 3/16" X 7/8"
64	090-0652	1	COTTER PIN 1/16" X 1/2"
65	850-1171	1	BUSHING, 3/16" X 5/16"
66	850-1172	1	EYELET, CONTROL ROD
67	090-0265	3	1/4-28 HEX NUT
68	850-0081	1	CONTROL ROD
69	090-0013	3	1/4-20 X 1-3/4" HHCS
70	850-0070	1	CONTROL LEVER
71	090-0264	1	BALL JOINT
72	090-0717	1	5/16 DIA X 1/2 LONG SHOULDER BOLT
73	090-0223	1	1/4" INT/EXT LOCK WASHER
75	850-0019	1	STOP SWITCH
76	090-0629	2	1/2-13 NYLOCK NUT
77	850-0091	1	BIT MOTOR WELDMENT
78	850-0069	1	HANDLE TIGHTENER
79	850-0051	1	FRAME WELDMENT – SELF-PROPELLED UNITS
79	850-0059	1	FRAME WELDMENT – PUSH MODELS
80	090-0065	3	5/16-18 X 1/2" HHCS
81	850-4866	4	SHIELD SIDE
82	090-0405	4	1/4-20 X 2-1/4" HHCS
83	030-0349	1	DRIVE SIDE HUB
84	702-0175	2	DUST CAP
85	090-0663	2	SLOTTED HEX NUT
86	090-0657	2	COTTER PIN
87	090-0665	8	LUG NUTS
88	030-0207	2	480 x 12 WHEEL & TIRE ASSEMBLY
89	850-0093	1	CLAMP
90	090-0549	1	RING PIN & LANYARD
91	850-0025	1	DRIVE AXLE
92	090-0654	2	3/8-16 THIN NYLOCK NUT
93	850-0024	1	COUPLER
94	710-3084	2	3/8-16 X 2 3/4" HHCS
95	030-0290	1	HUB – 1 SELF-PROPELLED UNITS, 2 PUSH UNITS
97	030-0340	2	BEARING
98	090-0550	4	3/8-16 X 1 1/2" CARRIAGE BOLT
99	090-0098	4	3/8-16 X 3/4" HHCS
100	850-6102	1	WHEEL DRIVE MOTOR
101	850-0053	1	CENTER TUBE
102	090-0510	2	1/2-13 X 4" HHCS
103	030-0491	2	GRIP – CONTROL LEVER
104	090-0714	1	1/2-13 X 4" WIDE U-BOLT FOR 3-1/2" PIPE
105	090-0628	4	1/2-13 JAM NUT
106	850-0080	1	UPPER HANDLE WELDMENT



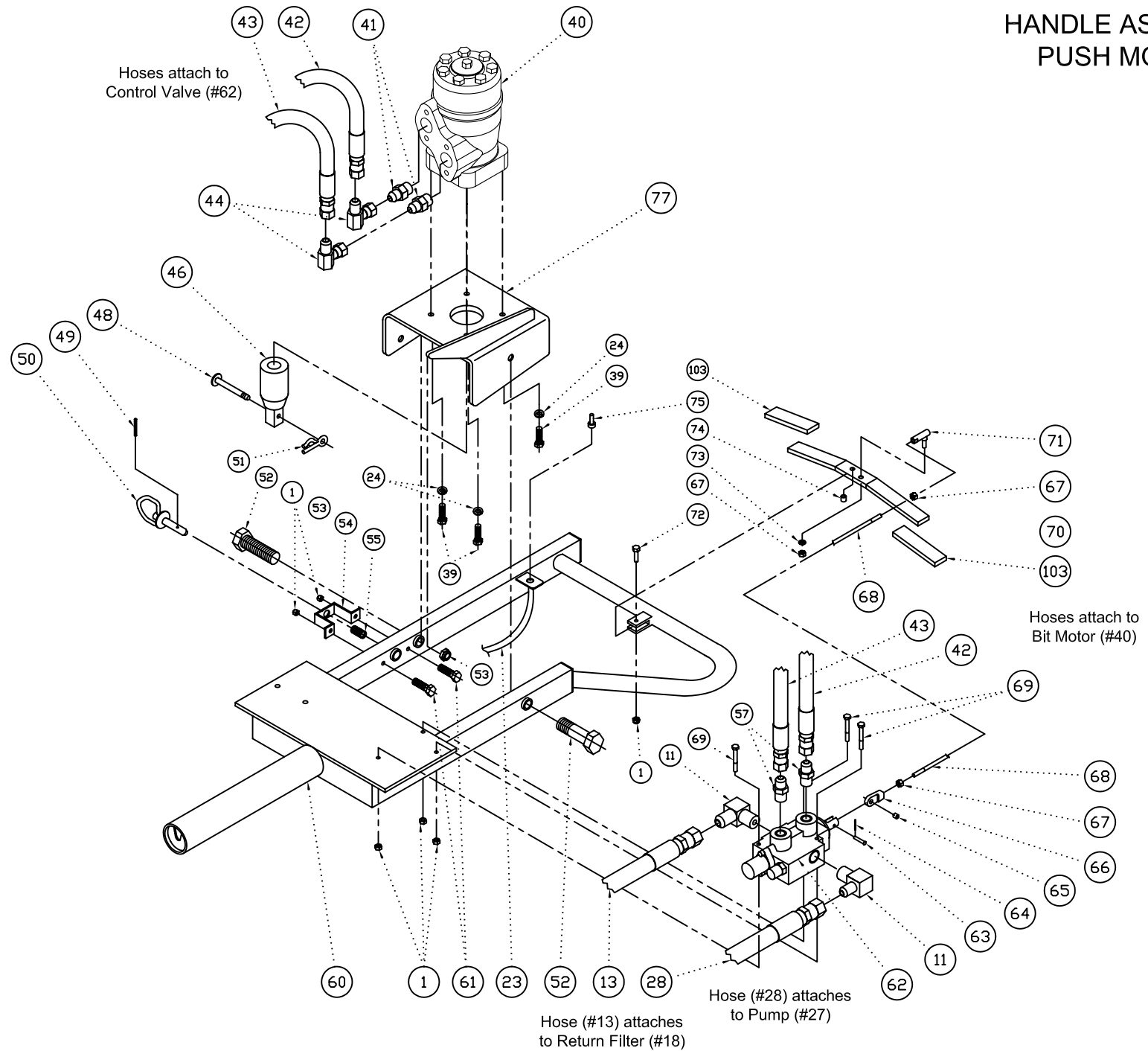
ENGINE & CRADLE

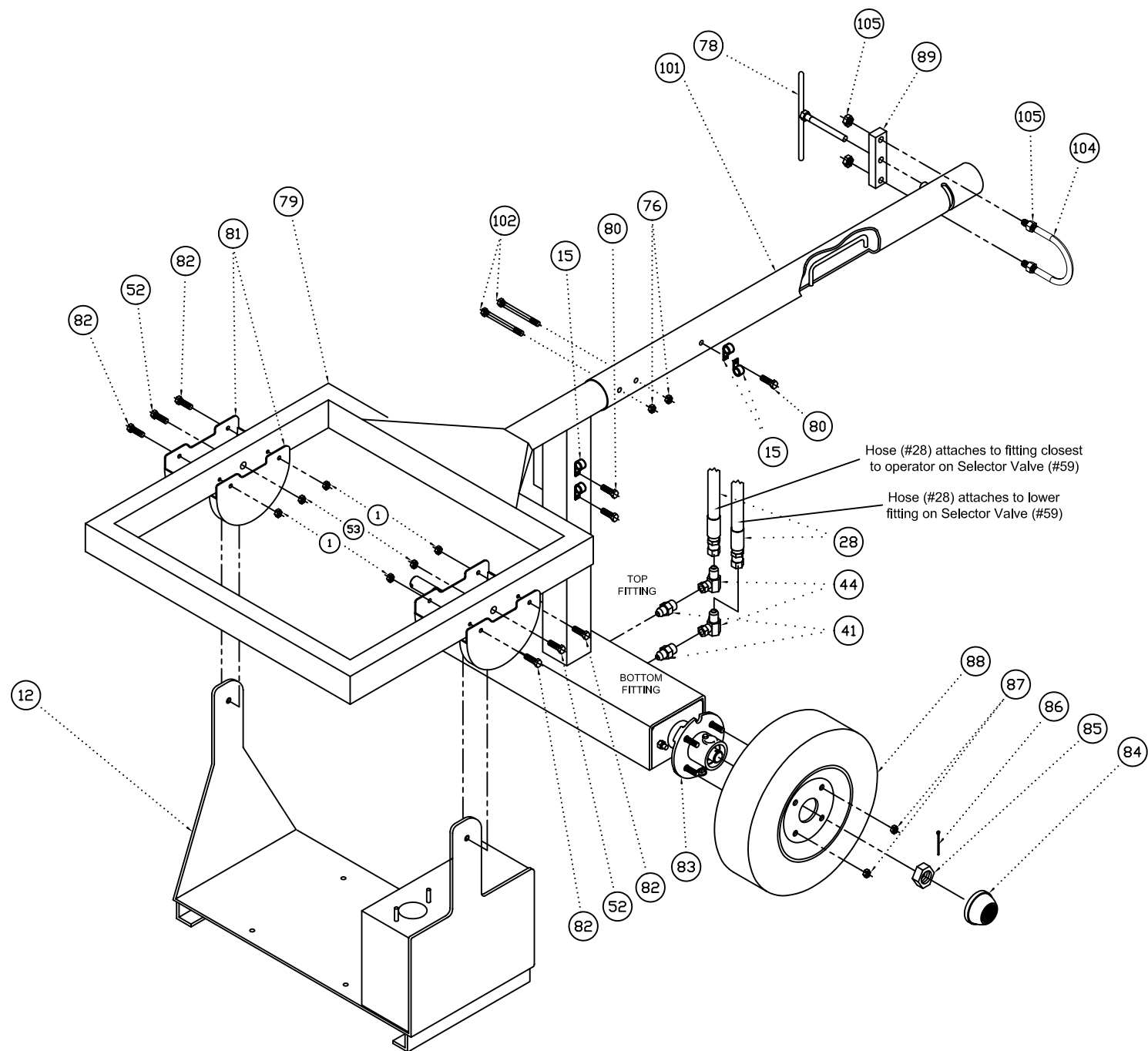
PUSH &
SELF-PROPELLED

HANDLE ASSEMBLY SELF-PROPELLED MODELS

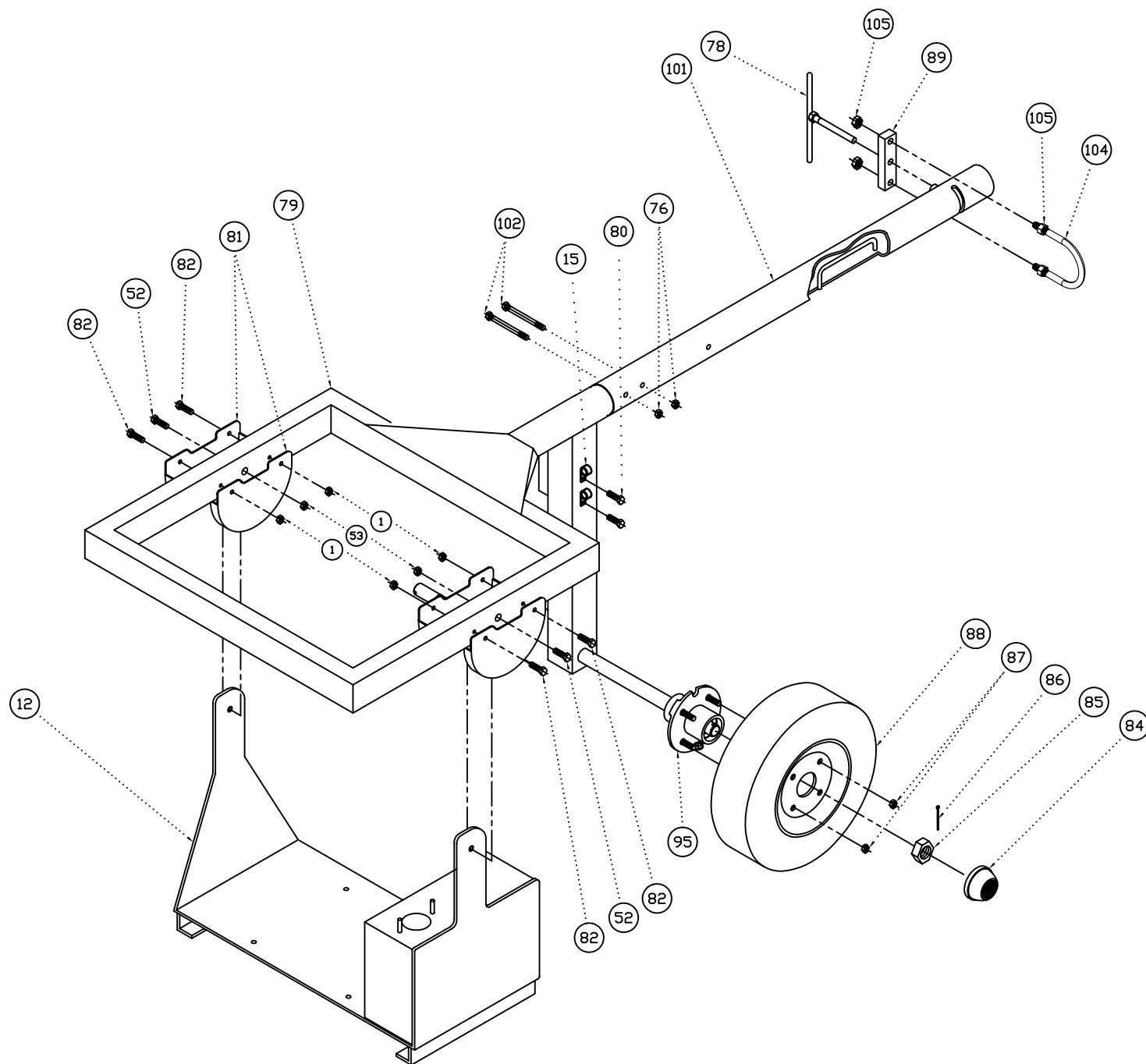


HANDLE ASSEMBLY PUSH MODELS

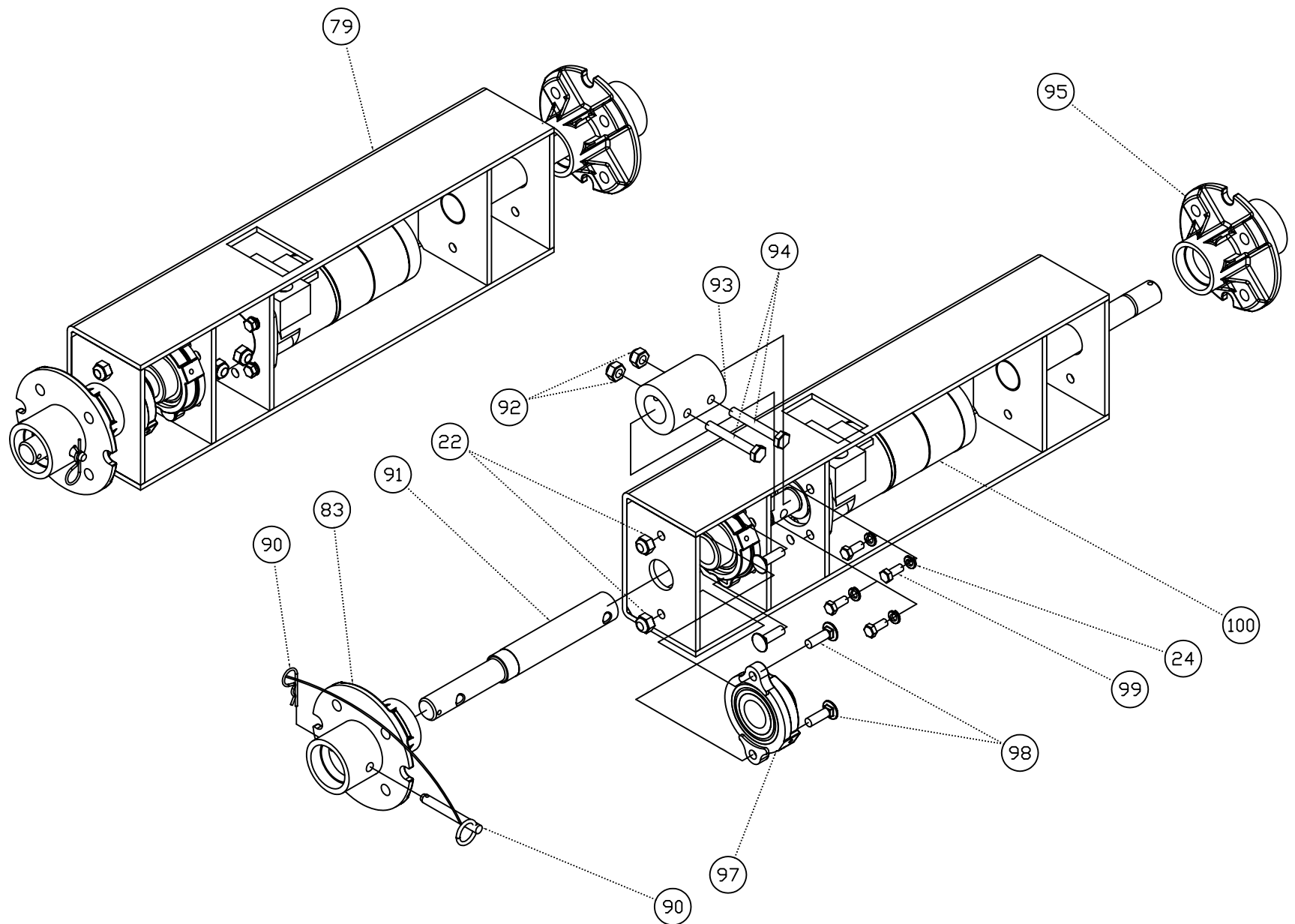




FRAME ASSEMBLY
SELF-PROPELLED MODELS



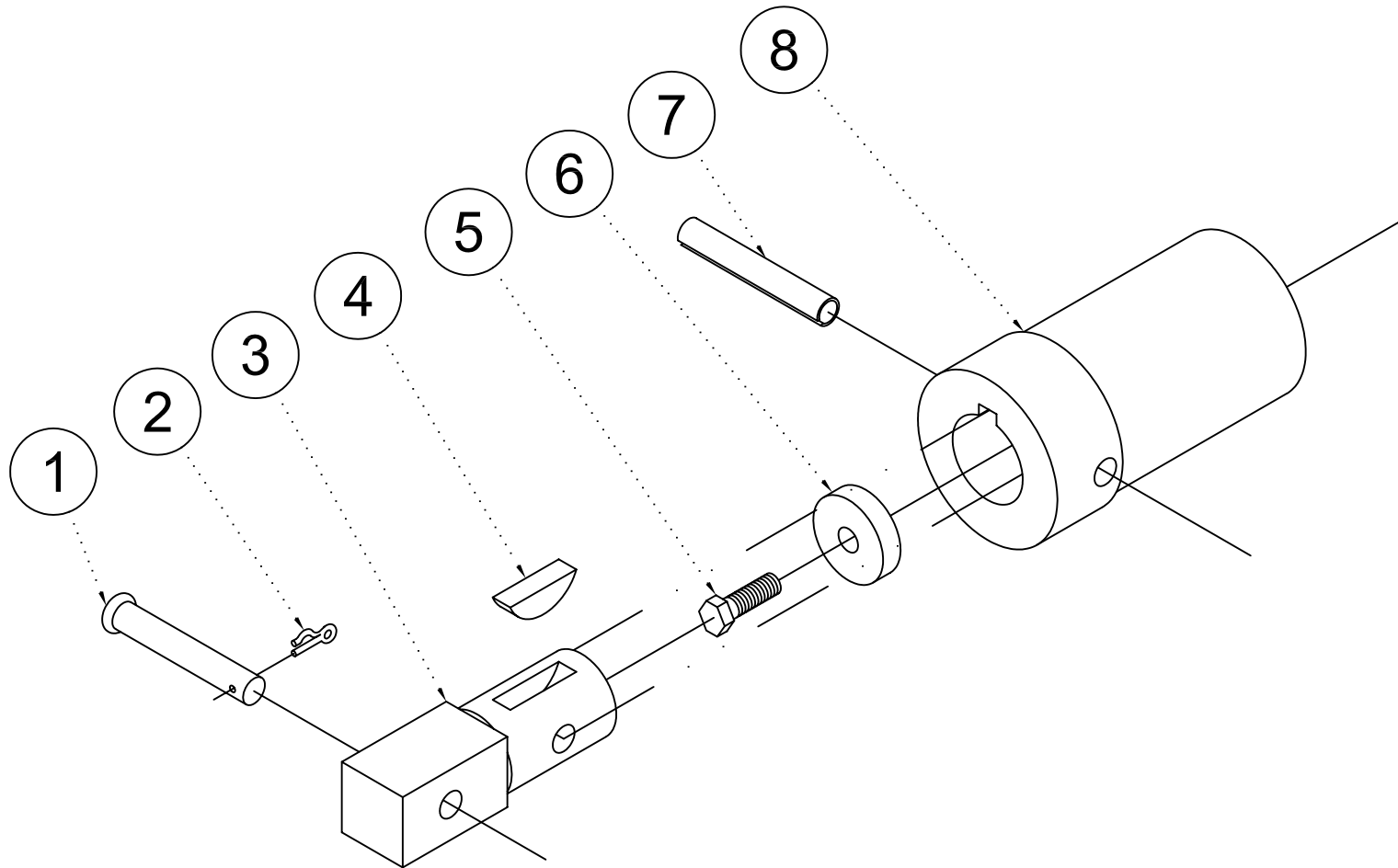
FRAME ASSEMBLY
PUSH MODELS



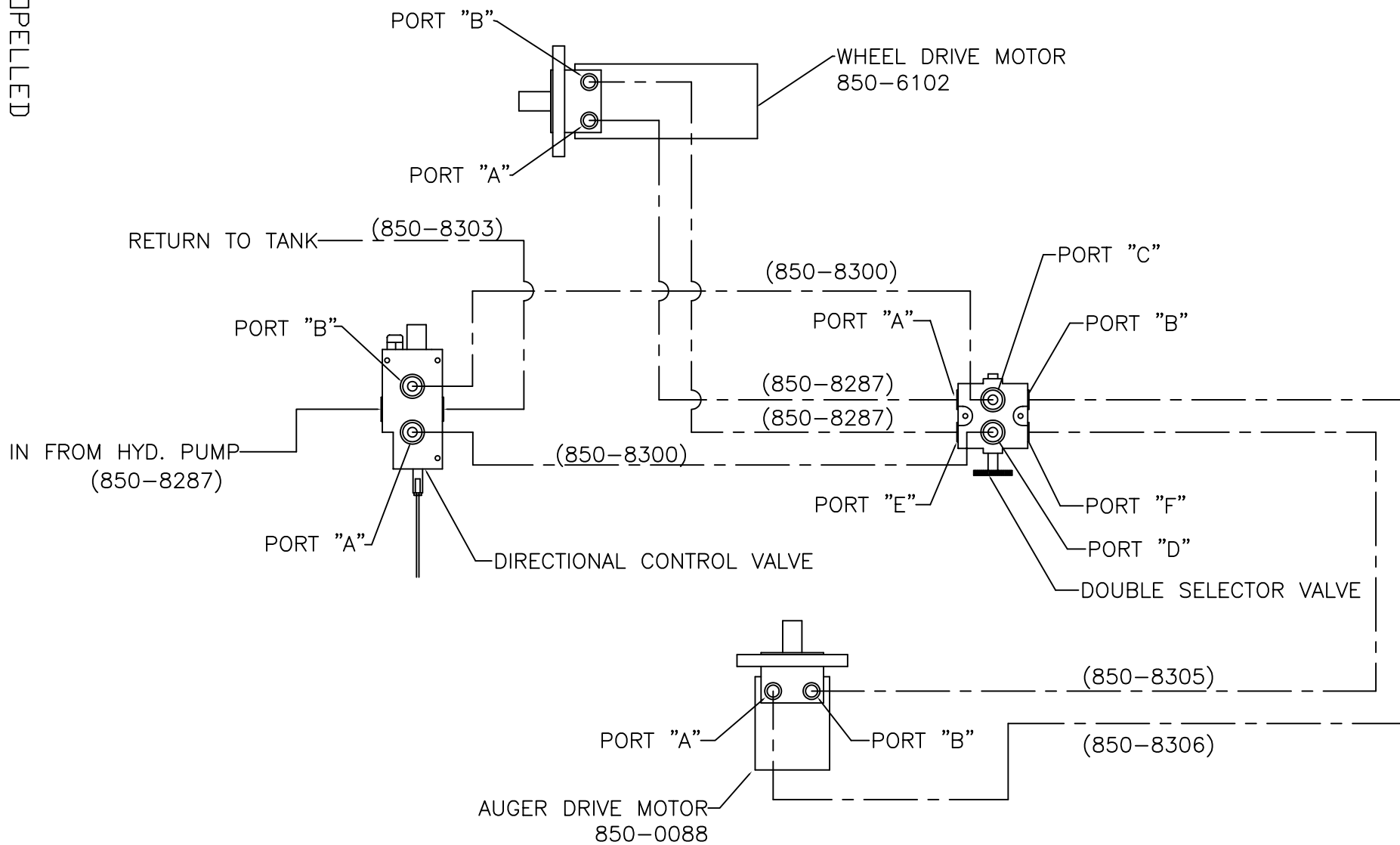
WHEEL DRIVE SYSTEM
SELF-PROPELLED MODELS

850-6001

COMPLETE DRIVE ADAPTER WITH HARDWARE

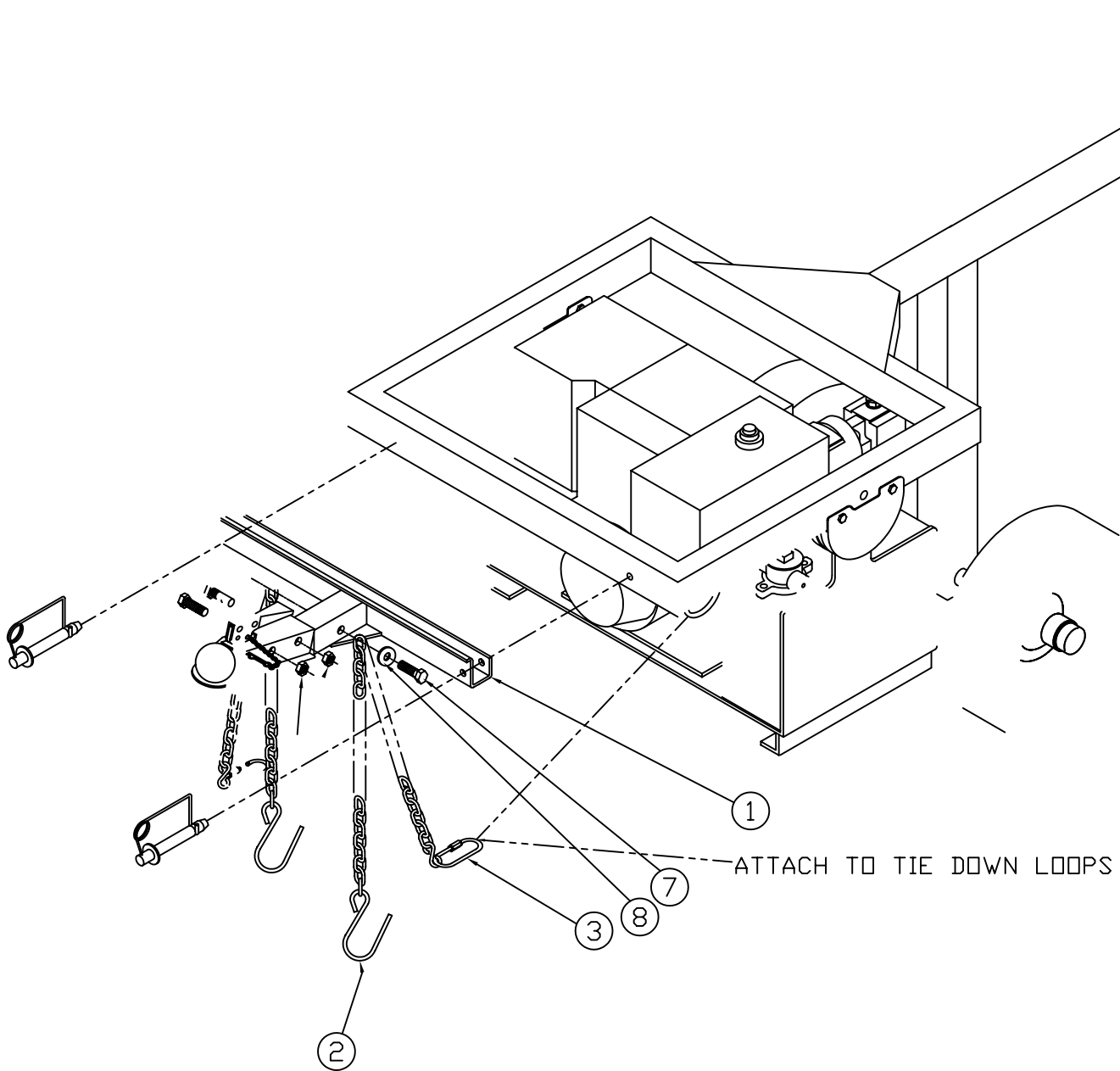


ITEM #	PART #	QTY	DESCRIPTION	FUNCTION
1	090-0655	1	1/4 X 1-7/8" CLEVIS PIN	HOLDS AUGER BIT TO ADAPTER SHAFT
2	090-0656	1	WW 213 HAIR PIN	HOLDS AUGER BIT TO ADAPTER SHAFT
3	850-2502	1	ADAPTER SHAFT	CONNECTS MOTOR AND AUGER BIT
4	080-0086	1	#15 WOODRUFF KEY	HOLDS ADAPTER SHAFT TO ADAPTER BODY
5	090-0060	1	1/4-20 X 1" HHCS	HOLDS ADAPTER BODY TO MOTOR
6	850-2500	1	ADAPTER WASHER	HOLDS ADAPTER BODY TO MOTOR
7	090-0649	1	5/16 X 2" ROLL PIN	HOLDS ADAPTER SHAFT TO ADAPTER BODY
8	850-2503	1	ADAPTER BODY	ATTACHES TO MOTOR



HOSE ROUTING FOR SELF-PROPELLED EASY AUGER

HITCH KIT - 850-0011

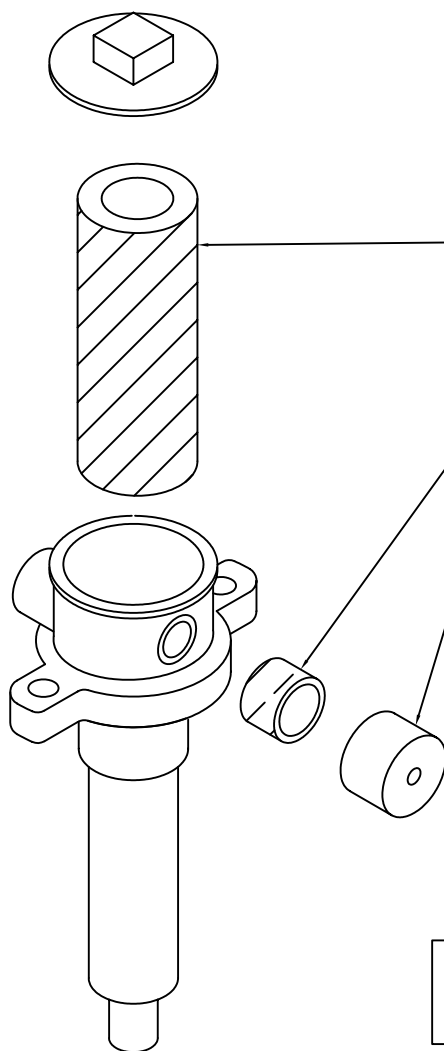
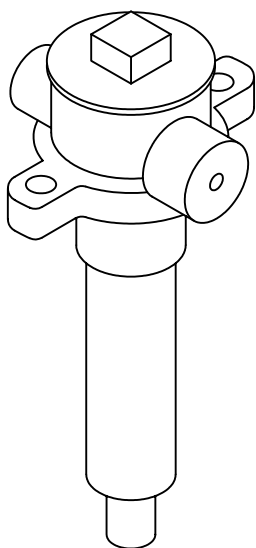


BILL OF MATERIAL

ITEM	QTY	PART NO.	DESCRIPTION
1	1	850-0012	HITCH WELDMENT
2	2	850-0016	
3	2	850-0017	3/16 SPRING HOOK
4	1	913-0218	TRAILER HITCH
5	2	090-0370	1/2-13 X 3 HHCS GR5 PLTD
6	2	090-0050	1/2-13 GRIPCO LOCKNUT GR B PLT
7	1	090-0685	3/8-16 X 4 HHCS GR 5 PLTD
8	2	090-0234	1/2-13 GRIPCO LOCKNUT GR B PLT
9	1	090-0461	3/8-16 NYLON INSERT LOCKNUT
10	2	090-0549	RING PIN & LANYARD

030-0494 AUGER FILTER

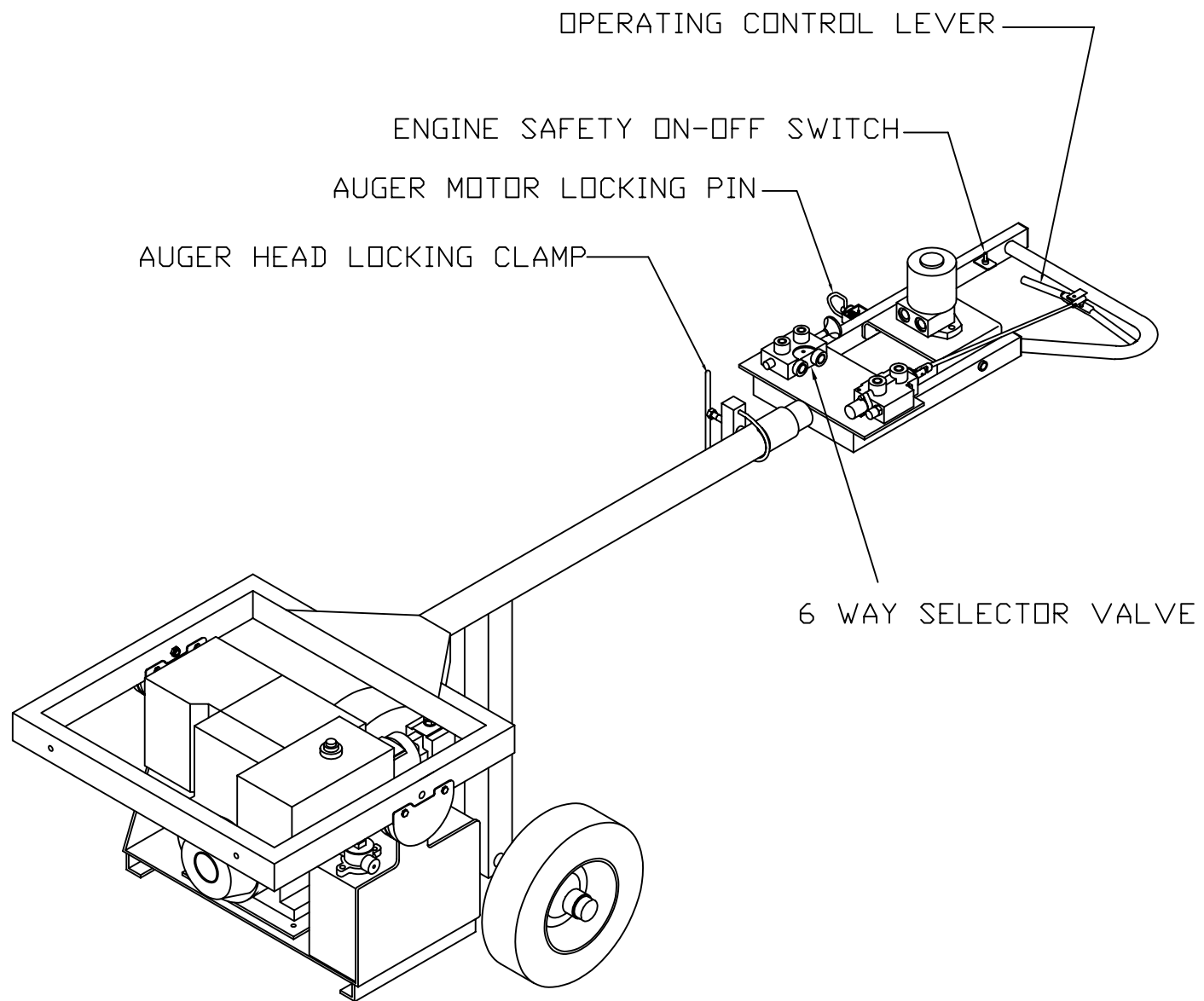
030-0494
COMPLETE RETURN
FILTER



030-0495 - FILTER ELEMENT

030-0496 - BREATHER

030-0497 - SEAL KIT

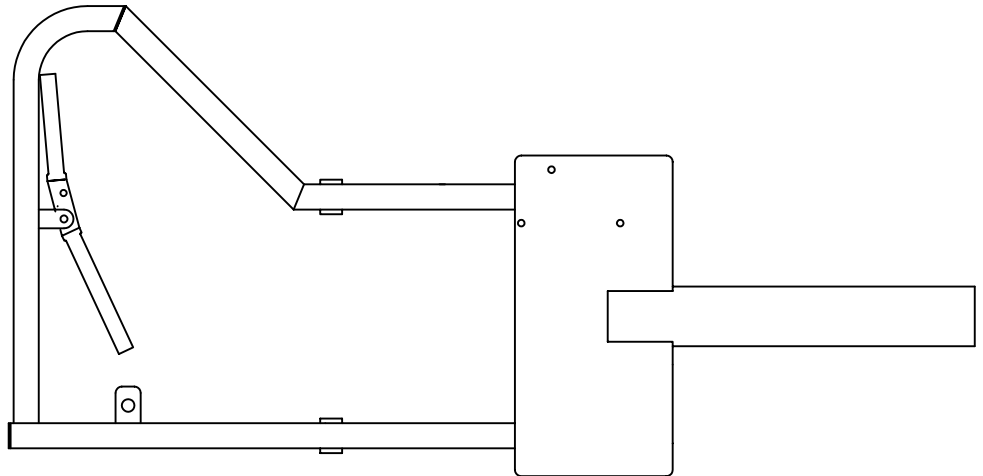
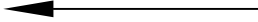


OPERATING CONTROL LEVER POSITIONS

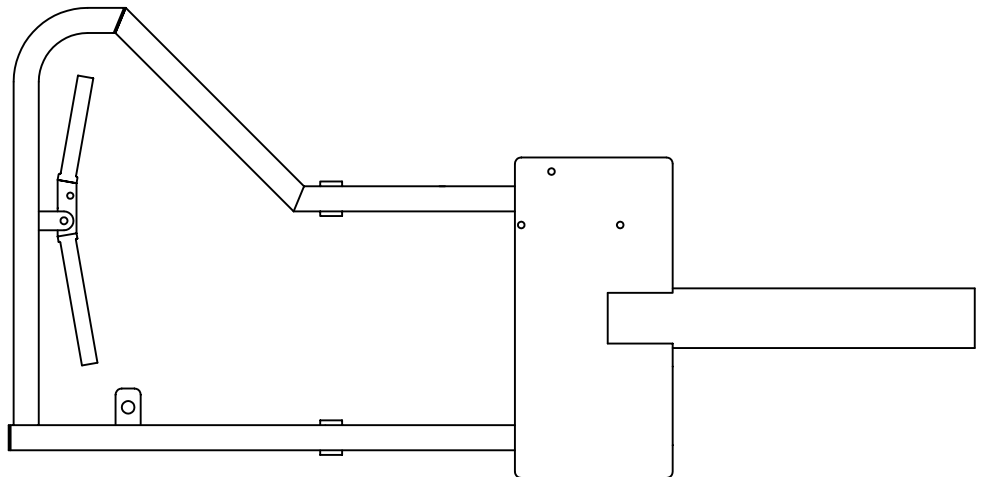
OPERATOR
END

ENGINE
END

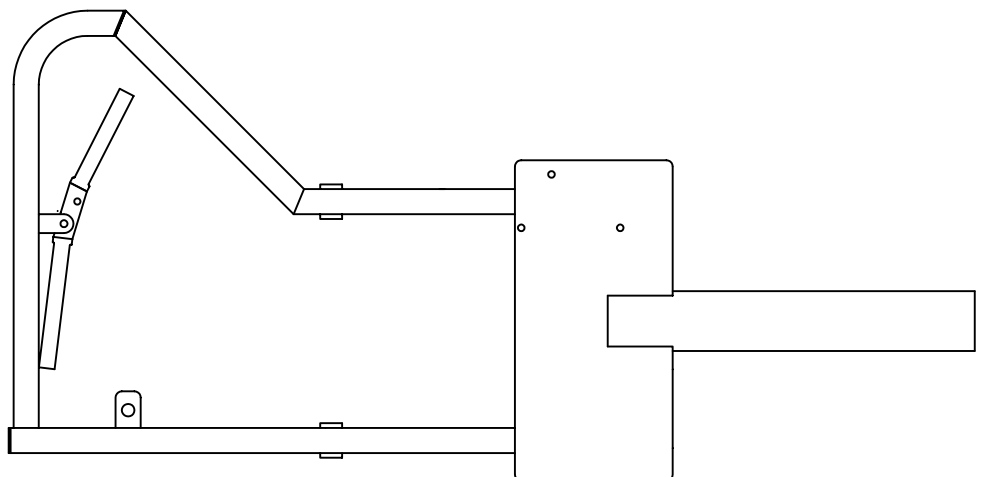
COUNTER-CLOCKWISE
ROTATION. AUGER WILL
BACKOUT OF GROUND

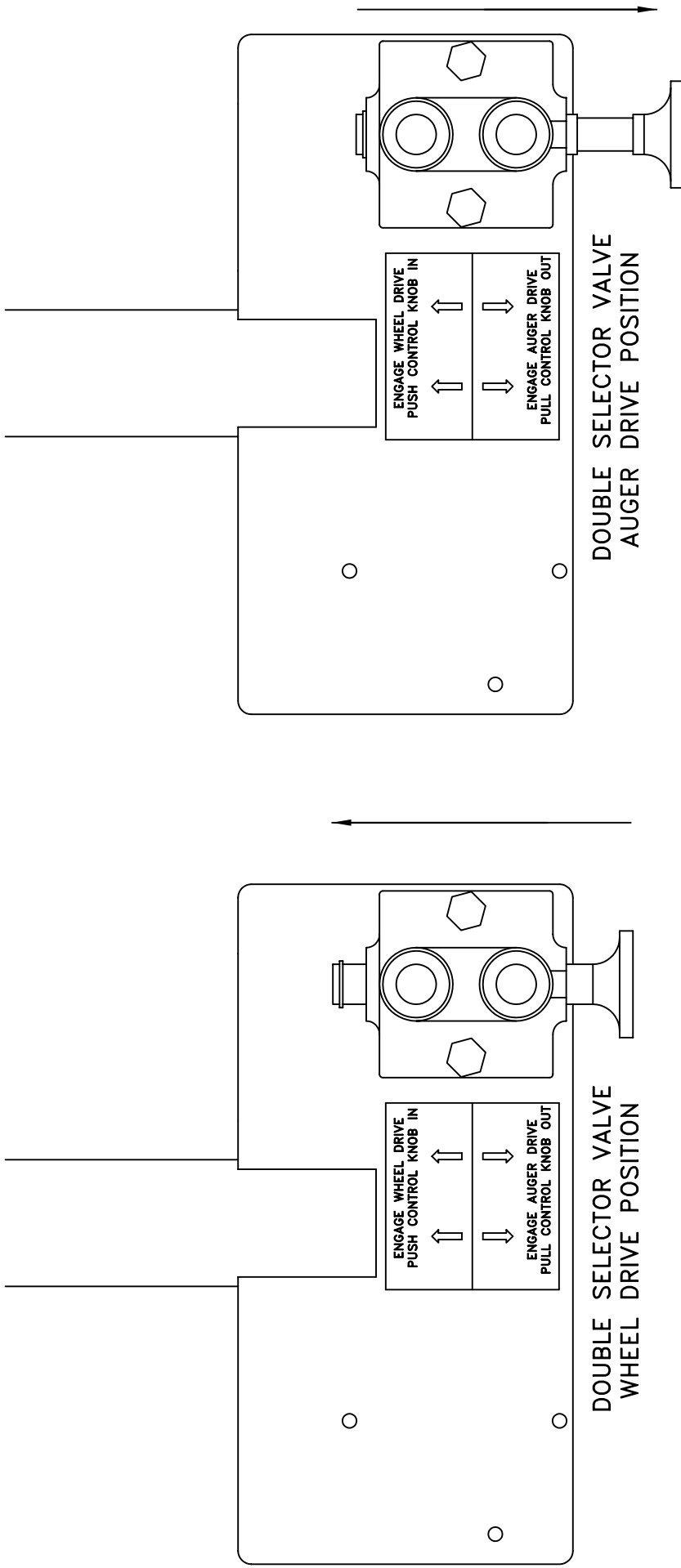


NEUTRAL POSITION
THE AUGER DOES
NOT ROTATE.



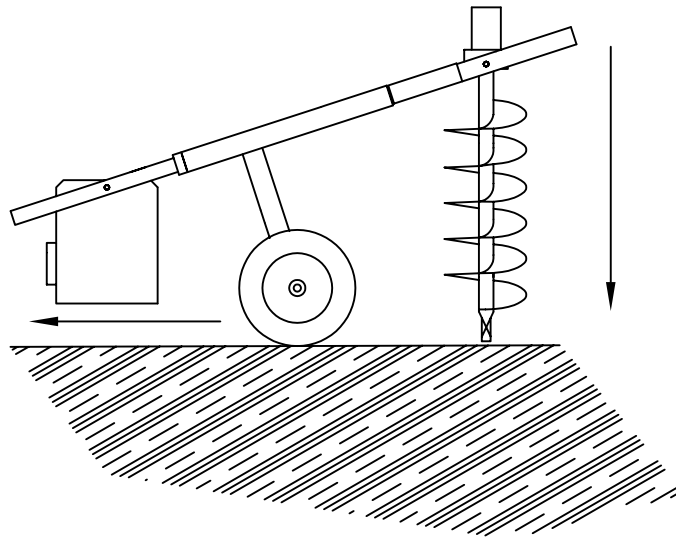
CLOCKWISE ROTATION
THE AUGER WILL DRILL
INTO THE GROUND.



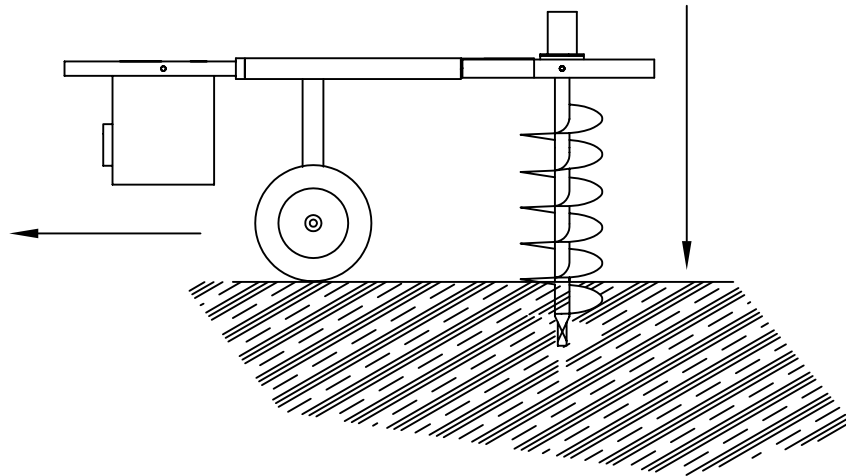


SELECTOR VALVE

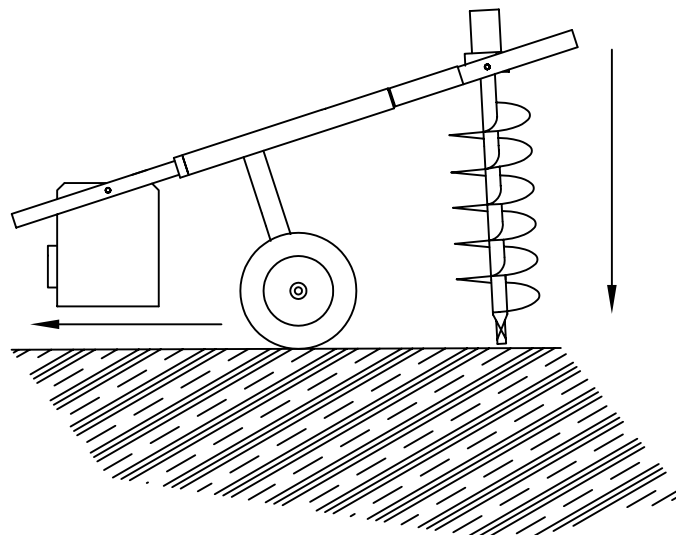
OPERATOR POSITION



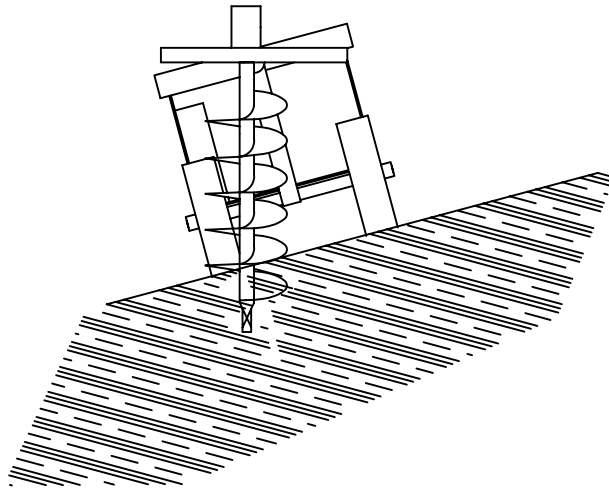
THE EASY AUGER WHEELS MUST BE FREE TO MOVE FORWARD OR OR BACKWARD WHEN DRILLING A HOLE. AS THE AUGER ENTERS THE GROUND THE DISTANCE BETWEEN THE AUGER WHEELS AND THE HOLE WILL CHANGE. THE OPERATOR MUST MOVE THE MACHINE IN ORDER TO DRILL A VERITCAL HOLE.



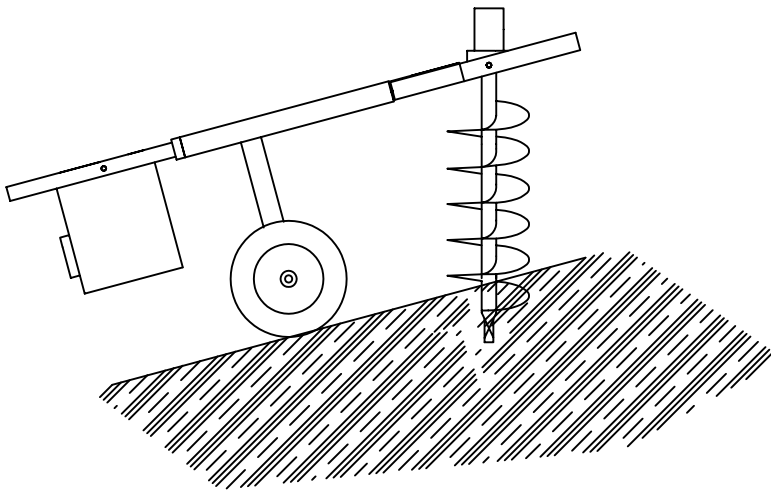
AS YOU CAN SEE BY THIS ILLUSTRATION THE DISTANCE BETWEEN THE AUGER AND THE WHEELS CHANGES THE DEEPER THE HOLE IS DRILLED. THE MACHINE HAS BE PUSHED FORWARD IN ORDER FOR THE HOLE TO BE DRILLED VERITCALLY.



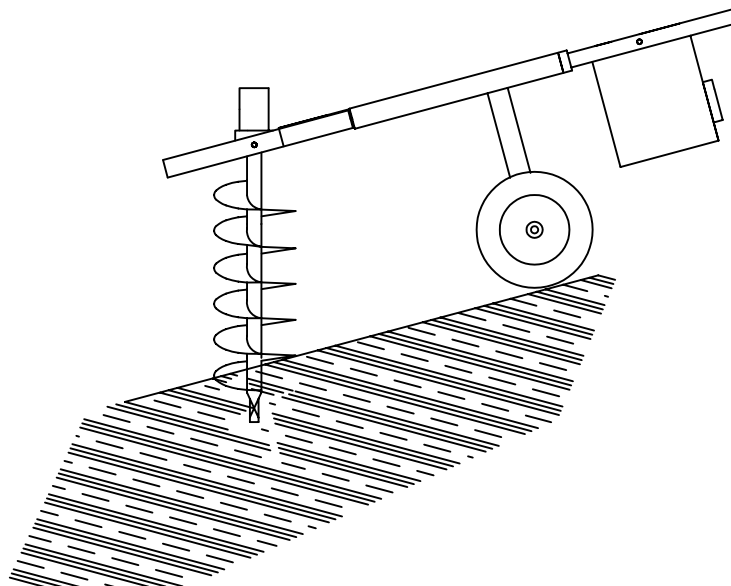
START A HOLE WITH THE AUGER ANGLED SLGHTLY TO THE REAR THE MACHINE WILL HAVE TO BE ADJUSTED TOWARDS THE REAR INITIALLY BUT THEN FORWARD TO COMPLETE THE HOLE. IT WILL MINIMIZE THE TOTAL AMOUNT OF TRAVEL FORWARD REQUIRED.



WHEN DRILLING ON A SLOPE ALWAYS POSITION THE MACHINE ACROSS THE SLOPE.



NEVER DRILL ON A SLOPE WITH THE MACHINE POSITIONED DOWNHILL.



NEVER DRILL ON A SLOPE WITH MACHINE POSITIONED UPHILL.

AUGER TEETH

PART #	DESCRIPTION	APPLICATION	INSTALLATION IN HEAD	INSTALLATION IN P-35 PILOT BIT
850-1140	DIRT TOOTH	ORDINARY DIGGING	ALL POCKETS	ALL POCKETS
850-1141	HARDFACE, 1 SIDE	ABRASIVE SOIL, IMPACT	ALL POCKETS, HF UP	ALL POCKETS, HF UP
850-1198	CHISEL POINT	LOOSE ROCK, COMPACTED SOIL	INSIDE POCKETS ONLY, RIB UP	NO
850-1199	CHISEL POINT, HARDFACE	ROCK, HIGH IMPACT	INSIDE POCKETS ONLY, RIB UP	NO
850-1201	CHISEL POINT WITH CARBIDE	COMPACTED ROCK, ABRASIVE SOIL, NO IMPACT	INSIDE POCKETS ONLY, RIB UP	NO
850-1356	CARBIDE INSERT TOOTH	ABRASIVE FROZEN SOIL	ALL POCKETS	ALL POCKETS
850-1405	CARBIDE TIPPED TEETH	COMPACTED ROCK, ABRASIVE SOIL, NO IMPACT	ALL POCKETS	YES



850-1140



850-1141



850-1198



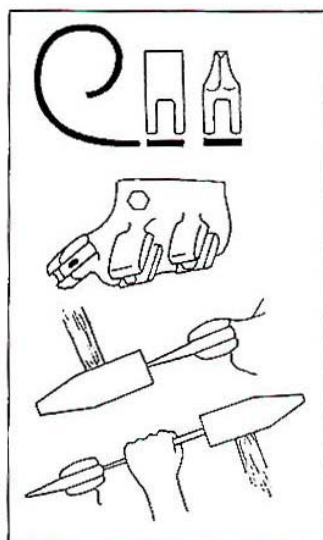
850-1201



850-1356



850-1199



Installation instructions:

1. Cut Ribd Rubr-Lok® as long as the tooth is wide at the tangs.
2. Insert evenly in holder.

Note: water may be used as a lubricant to install Ribd Rubr-Lok® but NEVER use grease or oil.

3. Drive tooth fully in until seated in holder, using Pengo's SH-85 soft steel hammer. Compression of Ribd Rubr-Lok® holds tooth firmly in pocket.

For tungsten carbide teeth cushion carbides with softwood board before driving fully in.

4. Remove worn teeth with drift punch. Replace Ribd Rubr-Lok® only if damaged.

CAUTION: Always wear eye protection when installing and removing teeth.

PILOT BITS

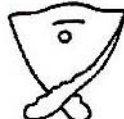
PART #	DESCRIPTION	APPLICATION
850-1100	2 ½" DIA. SCREW BIT, BOLT, NUT	DIRT FOR 2" DIA. AUGERS & FOR P-35M PILOT
850-1101	CARBIDE TIPPED SCREW BIT	FRACTURABLE ROCK, ABRASIVE SOIL, NO IMPACT
850-1102	CARBIDE PILOT BIT	COMPACTED ROCK ABRASION, NO IMPACT
850-1103	HARDFACE SCREW BIT	ABRASIVE SOIL IMPACT
850-1104	HARDFACED WITH TUNGSTEN CARBIDE	COMPACTED ROCK ABRASION, NO IMPACT
850-1105	3" DIA. SCREW BIT, BOLT, NUT	ORDINARY DIGGING
850-1106	CARBIDE TIPPED SCREW BIT	FRACTURABLE ROCK, ABRASIVE SOIL, NO IMPACT
850-1107	CARBIDE PILOT BIT	COMPACTED ROCK ABRASION, NO IMPACT
850-1108	HARDFACE SCREW BIT	ABRASIVE SOIL IMPACT
850-1109	HARDFACED WITH TUNGSTEN CARBIDE	COMPACTED ROCK ABRASION, NO IMPACT
850-1110	4 ½" DIA. SCREW BIT	DIRT FOR 4" DIA. AUGERS
850-1111	CARBIDE TIPPED SCREW BIT	FRACTURABLE ROCK, ABRASIVE SOIL, NO IMPACT
850-1112	CARBIDE PILOT BIT	COMPACTED ROCK ABRASION, NO IMPACT
850-1113	HARDFACE SCREW BIT	ABRASIVE SOIL IMPACT
850-1114	HARDFACED WITH TUNGSTEN CARBIDE	COMPACTED ROCK ABRASION, NO IMPACT



850-1100



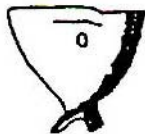
850-1101



850-1108



850-1110



850-1109



850-1112