

PARTS MANUAL



MODEL AR13D RIDE-ON TANDEM DRUM ROLLER SERIES DRIVE SYSTEM (B&S 850D DIESEL ENGINE)

Revision #0 (06/17/21)



THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

SUGGESTED SPARE PARTS

AR13D RIDE-ON TANDEM DRUM ROLLER W/BRIGGS AND STRATTON 850D DIESEL ENGINE

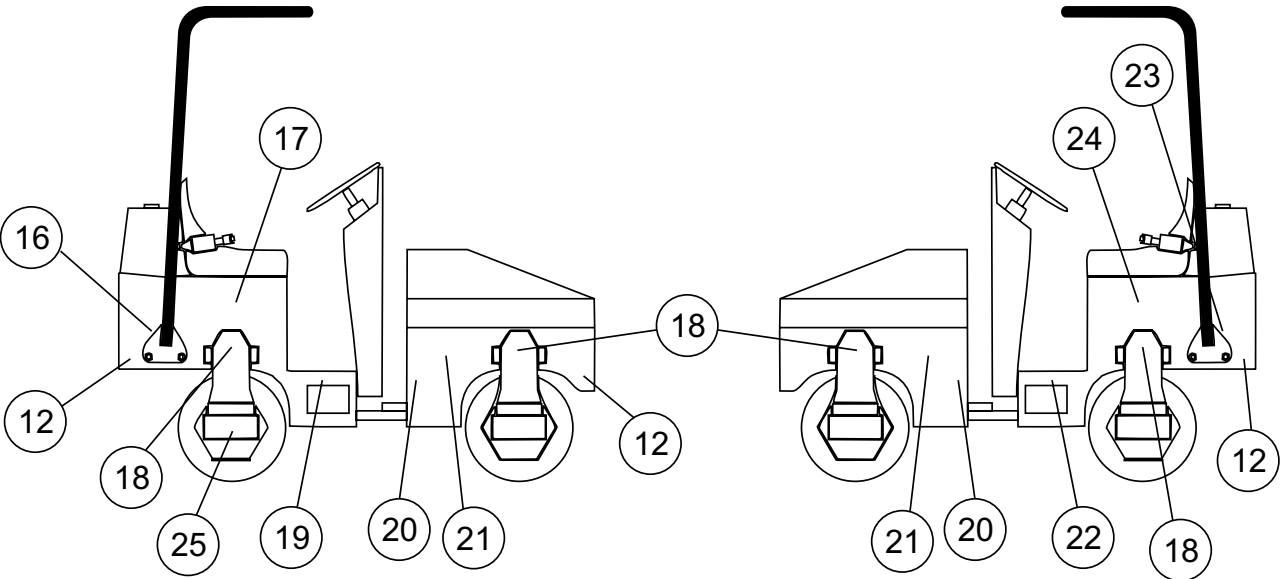
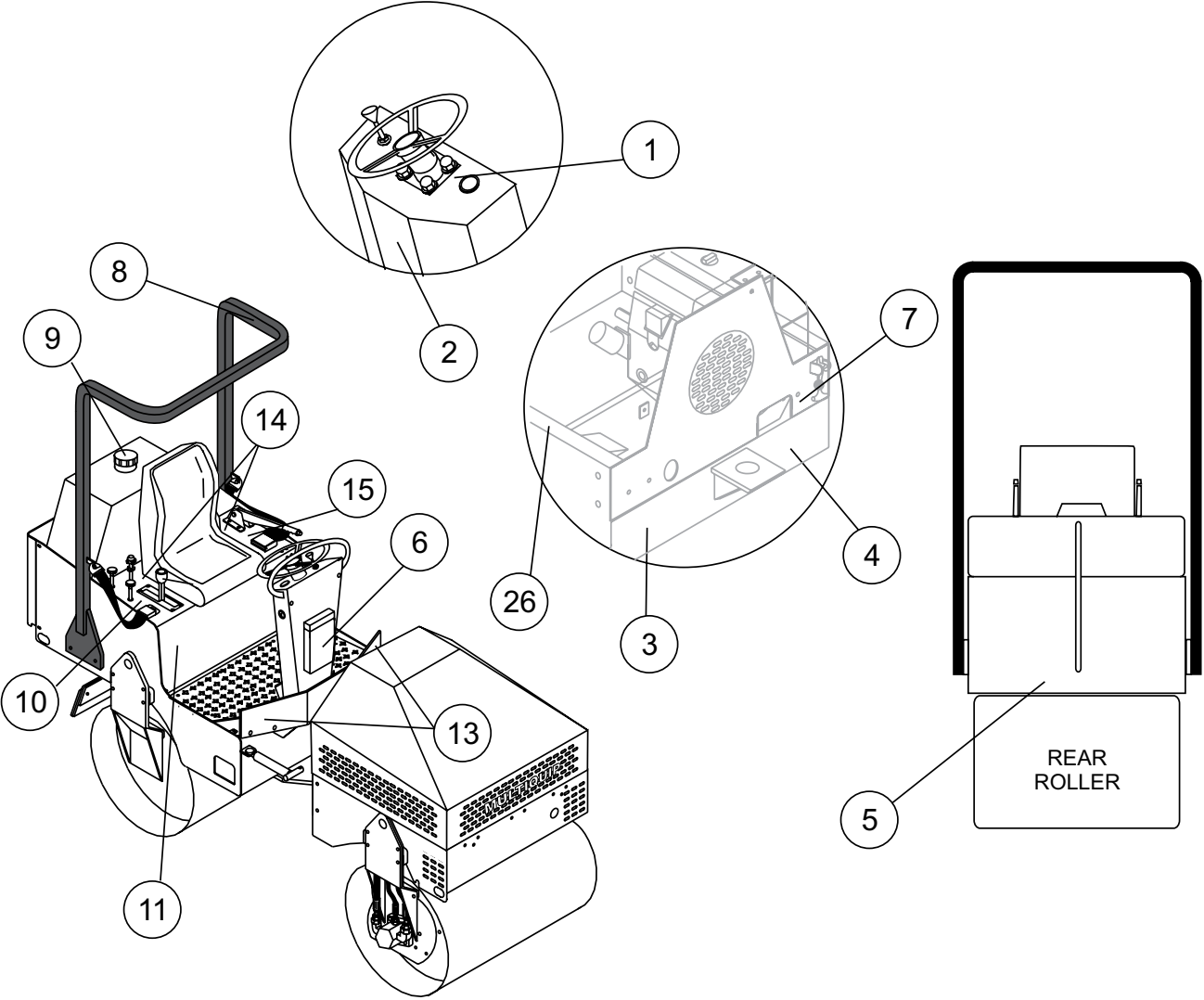
1 to 3 units

Qty.	P/N	Description
1.....	513324.....	FWD./REV. TRAVEL CABLE
1.....	509350SW.....	NEUTRAL, SAFETY SW.
2.....	510229.....	THROTTLE CABLE
6.....	508667.....	HYDRAULIC OIL FILTER
1.....	507278.....	HYDRAULIC TANK CAP
6.....	820311.....	FUEL FILTER
1.....	34507.....	FUEL TANK CAP GAUGE
1.....	509249.....	WATER TANK CAP
4.....	508433.....	RUBBER DRUM SCRAPER
3.....	M113621.....	AIR FILTER ELEMENT
4.....	691959.....	IGNITION KEY
2.....	692318.....	IGNITION SWITCH
4.....	821075.....	FAN BELT
4.....	820150.....	ROCKER COVER GASKET
6.....	820314.....	ENGINE OIL FILTER
2.....	820258.....	RADIATOR CAP
1.....	825222.....	STARTER
2.....	821135.....	OIL PRESSURE SWITCH
2.....	820208.....	WATER TEMP. SWITCH
2.....	825064.....	THERMOSTAT
2.....	515848.....	BREAKER SWITCH
1.....	825324.....	INJECTION PUMP
1.....	825265.....	WATER PUMP
1.....	825133.....	RADIATOR HOSE, UPPER
1.....	825134.....	RADIATOR HOSE, LOWER

NOTICE

Part numbers on this Suggested Spare Parts list may supersede/replace the part numbers shown in the following parts lists.

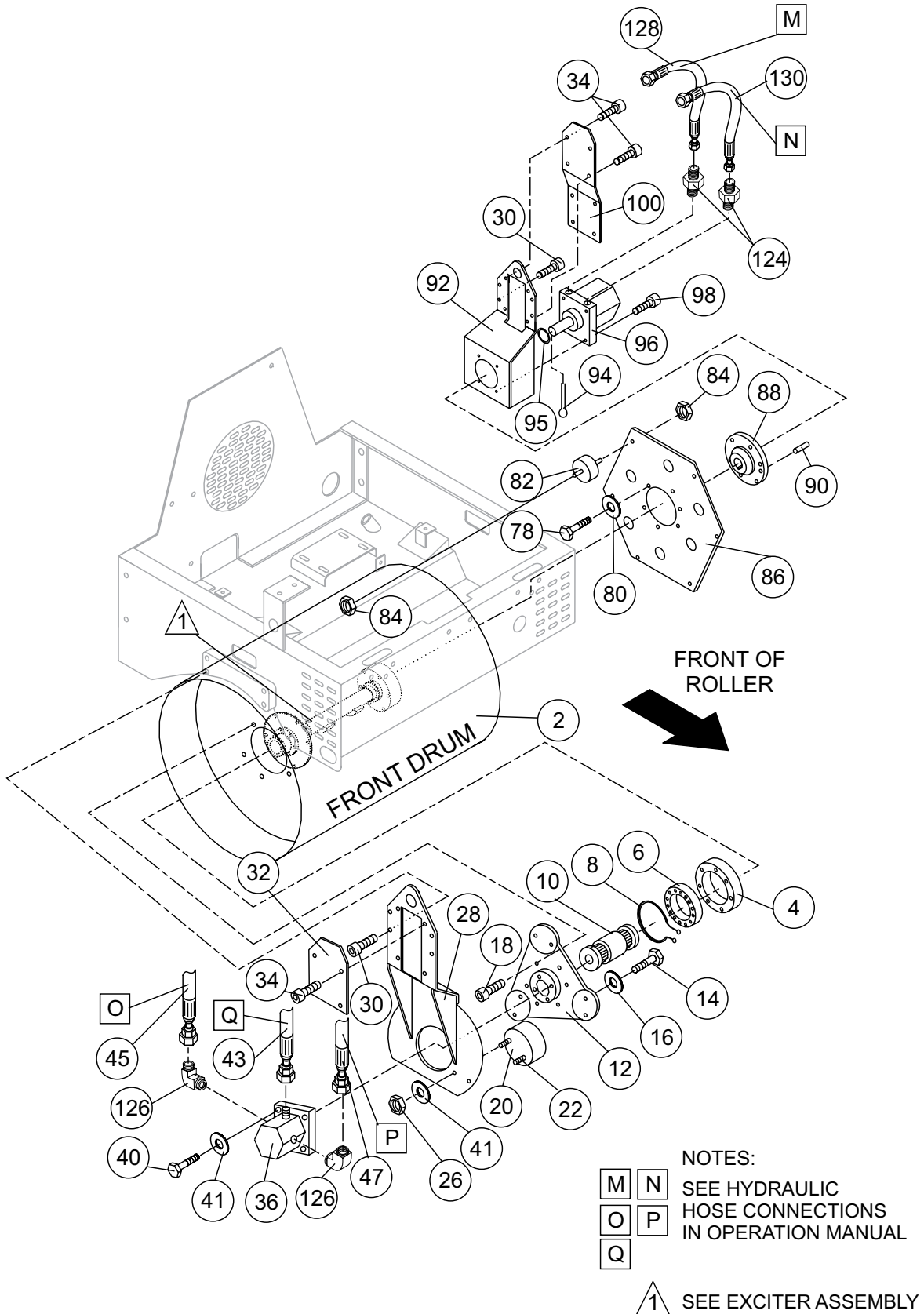
NAMEPLATE AND DECALS ASSY.



NAMEPLATE AND DECALS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	513457	DECAL: STEERING CONSOLE	1	
2	13118	DECAL: POWDER COATED	1	
3	511726	DECAL: HYDRAULIC OIL LEVEL INDICATOR	1	
4	511736	DECAL: WARNING	1	
5	511740	DECAL: MULTQUIP BANNER	1	
6	34536	DECAL: OWNERS MANUAL	1	
7	513580	DECAL: ENGINE RPM SETTING	1	
9	513698	DECAL: WATER TANK CAP	1	
10	515436	DECAL: CONTROL PANEL	1	
11	511737	DECAL: SERVICE INSTRUCTION CHART	1	
12	513393	DECAL: SECURING POINT INDICATOR	3.....	POINT ARROW DOWN
13	511735	DECAL: CAUTION	2	
14	513707	DECAL: ATTENTION	2	
15	513467	DECAL: PARKING BRAKE INSTRUCTIONS	1	
16	515818	DECAL: AR13D MQ LOGO	1	
17	511738	DECAL: DANGER	1	
18	513393	DECAL: SECURING POINT INDICATOR	4.....	POINT ARROW UP
19	513469	DECAL: CAUTION: STRIPE PATTERN	1.....	HORIZONTAL PLACEMENT
20	511718	DECAL: CAUTION: STRIPE PATTERN	2.....	VERTICAL PLACEMENT
21	513688	DECAL: MQ LOGO	2	
22	513740	DECAL: CAUTION: STRIPE PATTERN	1.....	HORIZONTAL PLACEMENT
23	515815	DECAL: AR13D MQ LOGO	1	
24	511739	DECAL: CAUTION: INSTRUCTIONS	1	
25	511724	DECAL: GREASE REMINDER	1	
26	511733	DECAL: HYDRAULIC OIL INDICATOR	1	

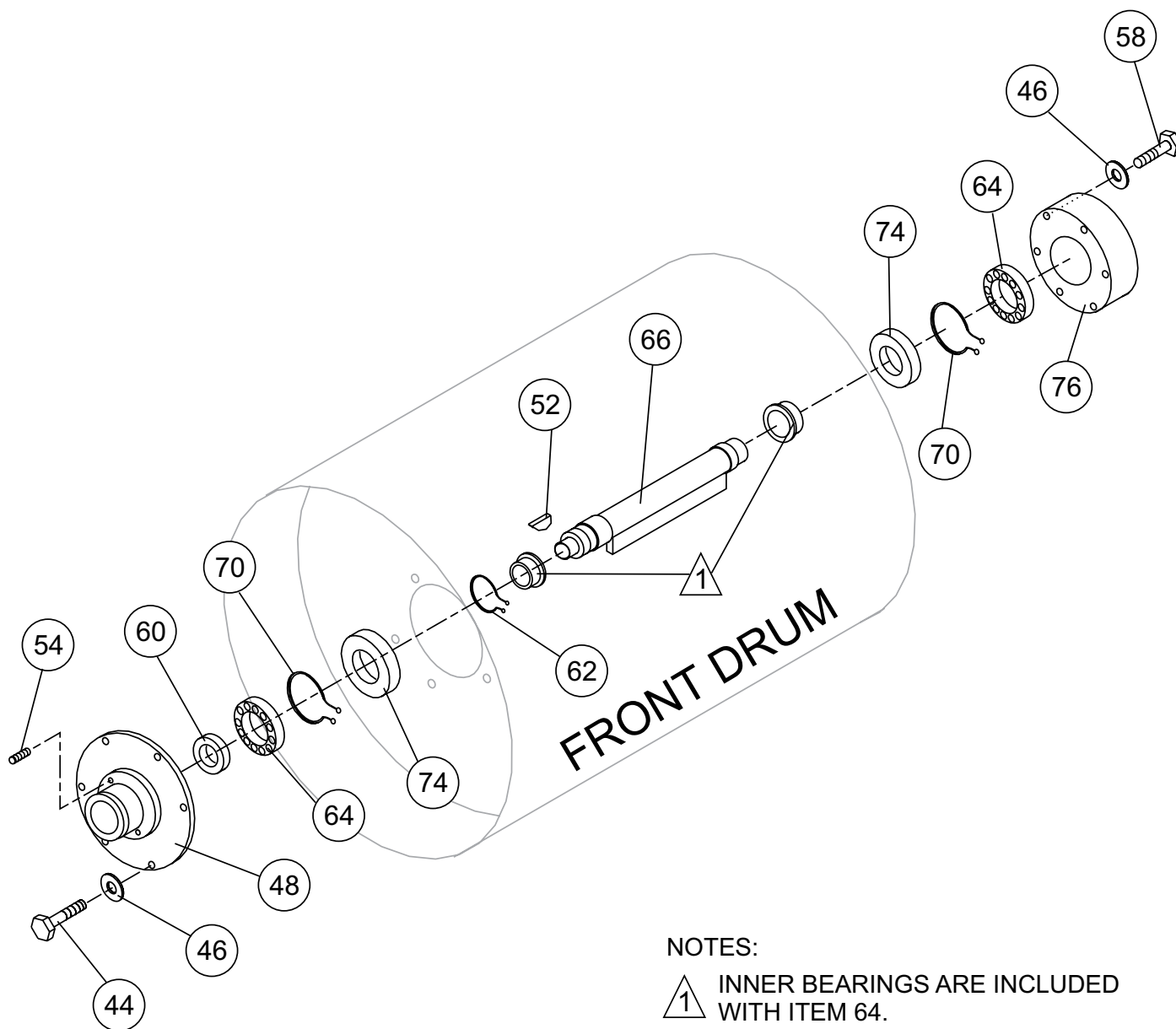
FRONT DRUM ASSY.



FRONT DRUM ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
2	513280	FRONT DRUM	1	
4	506145	HOUSING BEARING	1	
6	506147	BEARING	1	
8	506136	RING, RETAINING	1	
10	508665	COUPLER	1	
12	506142	MOUNT, VIBRATION MOTOR	1	
14	011208025	BOLT, 8X25T	6	REPLACES P/N 508342
16	EM923023	WASHER, FLAT 5/16"	6	REPLACES P/N 492597
18	492264	BOLT, 3/8"X1"	6	
20	506141	SHOCK, MOUNT	3	
22	508340	STUD, M8X40	6	
26	020108060	NUT, M8	6	REPLACES P/N 508341
28	514522	ROLLER, SUPPORT, RIGHT	1	LEFT SIDE - FRONT/REAR
30	6109210	BOLT 1/2"X1-1/2"	8	REPLACES P/N 492276
32	513283	HOSE, PROTECTION COVER	1	
34	513314	NUT 1/4"X1/2"	12	
36	506220	MOTOR, HYDRAULIC	1	
40	492362	NUT 5/16"X5/8"	4	
41	EM923343	WASHER, LOCK 5/16" DIA	10	REPLACES P/N 492623
43	513337	HOSE	1	
45	513343	HOSE	1	
47	513342	HOSE	1	
78	EM963610	BOLT 3/8"X1"	6	REPLACES P/N 492375
80	3019092	WASHER, 3/8"	6	REPLACES P/N 508346
82	505985	SHOCK, MOUNT	6	
84	021110120	NUT, NYLON LOCK M10 ZINC	12	
86	505977	PLATE, DRIVER	1	
88	505984	HUB	1	
90	EM503803	PINS, DOWEL	2	REPLACES P/N 503803
92	515637	SUPPORT, ROLLER, LEFT	1	RIGHT SIDE - FRONT
94	EM924006	KEY, COTTER 1/8"X2"	1	REPLACES P/N 491690
95	511159	FLAT WASHER	1	
96	515396	MOTOR, HYDRAULIC	1	
98	505990	BOLT 1/2"X2-1/2"	4	
100	515639	COVER	1	
124	505951	FITTING	2	
126	513332	FITTING	2	
128	515641	HOSE	1	
130	513344	HOSE	1	

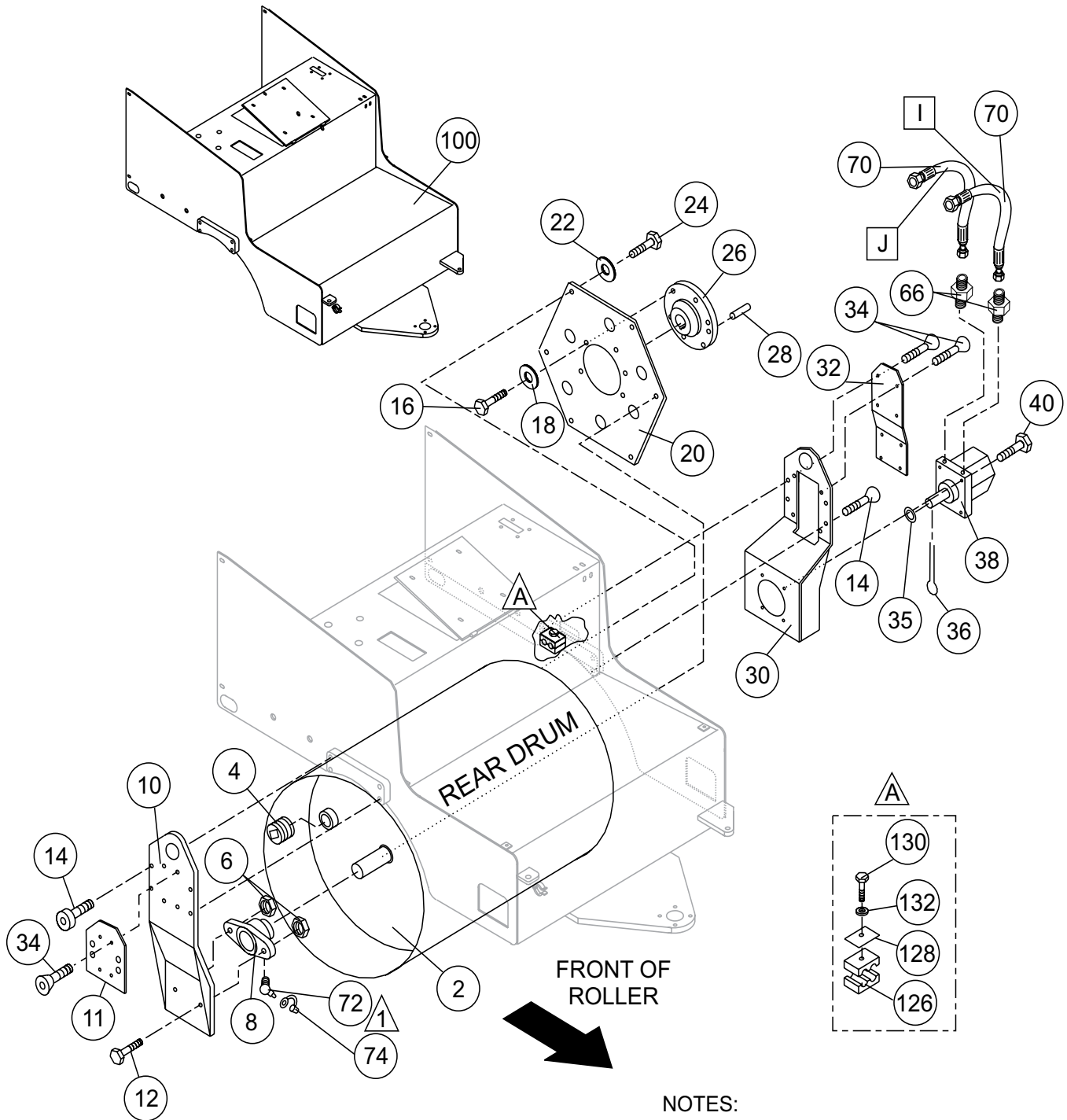
EXCITER ASSY.



EXCITER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
44	EM963610	CAP SCREW, 3/8"NC X 1-1/4" G5	6	
46	3019092	WASHER, 3/8"	12	REPLACES P/N 508346
48	513285	HOUSING, BEARING RIGHT	1	
52	EM927040	KEY, WOODRUFF 606	1	REPLACES P/N 506250
54	492467	SCREW, ALLEN 5/16"	4	
58	EM963610	CAP SCREW, 3/8"	6	REPLACES P/N 492375
60	506144	SEAL	1	
62	490964	RING, RETAINING	1	
64	506131	BEARING	2	
66	513418	EXCITER SHAFT	1	
70	506135	RING, RETAINING	2	
74	513286	OIL SEAL, 65X100X9	2	
76	513287	HOUSING, BEARING LEFT	1	

REAR DRUM AND CHASSIS ASSY.



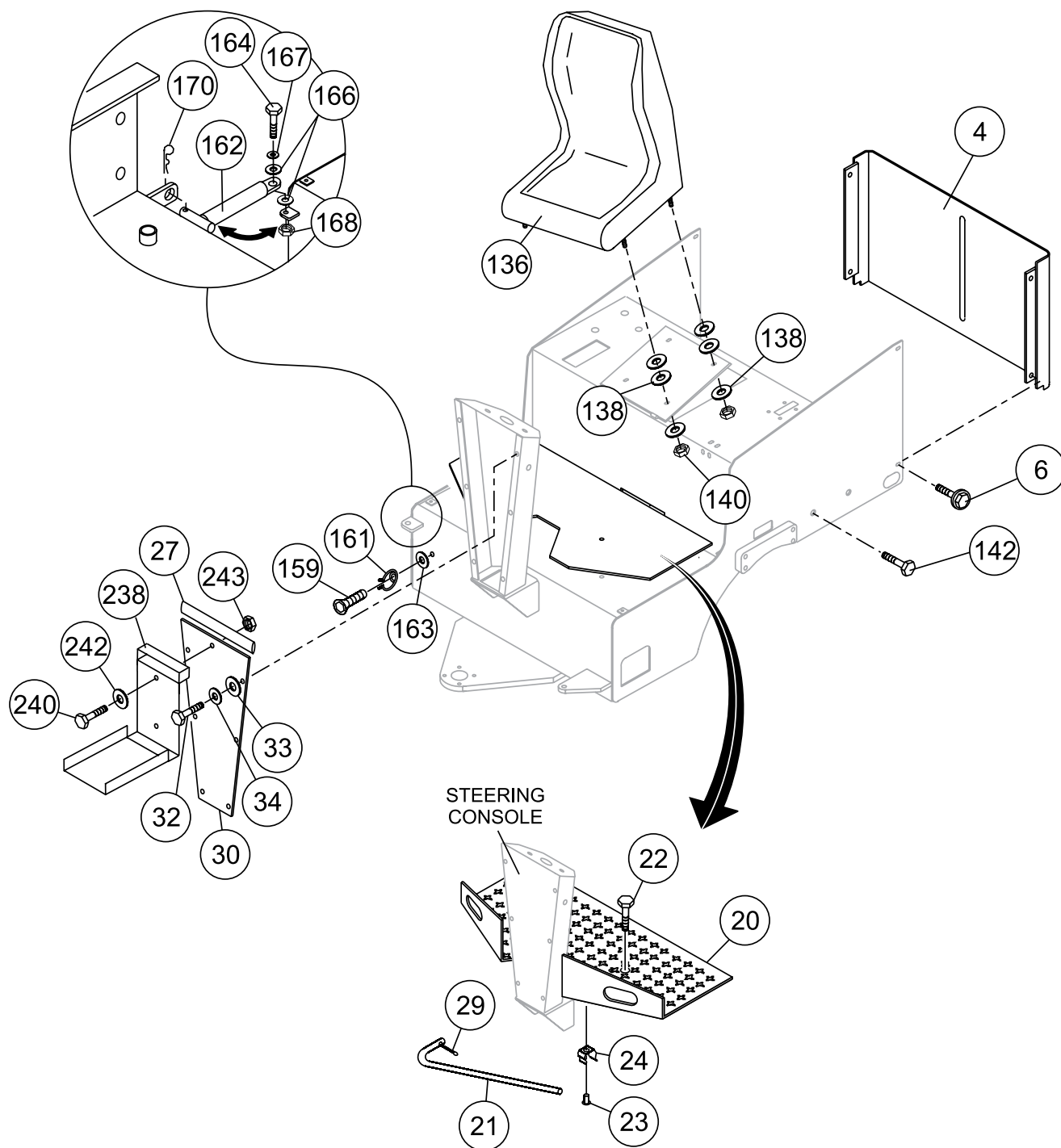
NOTES:

- I J** SEE HYDRAULIC HOSE CONNECTIONS IN OPERATION MANUAL.
- 1** ITEMS 72 AND 74 ARE INCLUDED WITH ITEM 8 (BEARING, FLANGE) AND CANNOT BE SOLD SEPARATELY.

REAR DRUM AND CHASSIS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
2	513291	REAR DRUM	1	
4	505988	ALLEN PLUG	1	
6	492584	NUT, LOCK 1/2"	2	
8	503735	BEARING, FLANGE	1.....	INCLUDES ITEMS W/&
10	514523	SUPPORT, ROLLER.....	1.....	RIGHT SIDE - REAR
11	513283	HOSE PROTECTION COVER	1	
12	509165	BOLT, 1/2"NC X 2-1/4" G5	2	
14	6109210	BOLT, 1/2"NC X 1-1/2" G5	8.....	REPLACES P/N 492276
16	EM963610	CAP SCREW, 3/8"NC X 1-1/4" G8	6.....	REPLACES P/N 492375
18	3019092	LOCK WASHER, 3/8"	6.....	REPLACES P/N 508346
20	505977	PLATE DRIVE	1	
22	3019092	LOCK WASHER 3/8"	6.....	REPLACES P/N 508346
24	EM963610	CAP SCREW, 3/8"NC X 1-1/4" G8	6.....	REPLACES P/N 492375
26	505984	HUB	1	
28	EM503803	PINS, DOWEL 3/8"X1"	2	
30	515637	REAR ROLLER SUPPORT, LEFT	1.....	LEFT SIDE - FRONT/REAR
32	515639	SUPPORT COVER	1	
34	513314	BOLT, 1/4"NC X 1/2"	12	
35	511159	FLAT WASHER 1"	1	
36	EM924006	KEY, COTTER 1/8"X2"	1.....	REPLACES P/N 491690
38	515396	MOTOR, HYDRAULIC	1	
40	505990	BOLT, 1/2"NC X 2-1/2"	4	
66	505951	FITTING 8-10-F5OLO-S	2	
70	513349	HOSE	2	
72&		ZERK GREASE FITTING	1.....	CANNOT BE SOLD SEPARATELY
74&		ZERK CAP	1.....	CANNOT BE SOLD SEPARATELY
100	513266	REAR CHASSIS	1	
126	505976	CLAMP 3/4"	5	
128	506185	PLATE CORNER	4	
130	492367	SCREW, HHC 5/16"-18X1-3/4"	3	
132	EM923343	WASHER, LOCK 5/16"	4.....	REPLACES P/N 492623

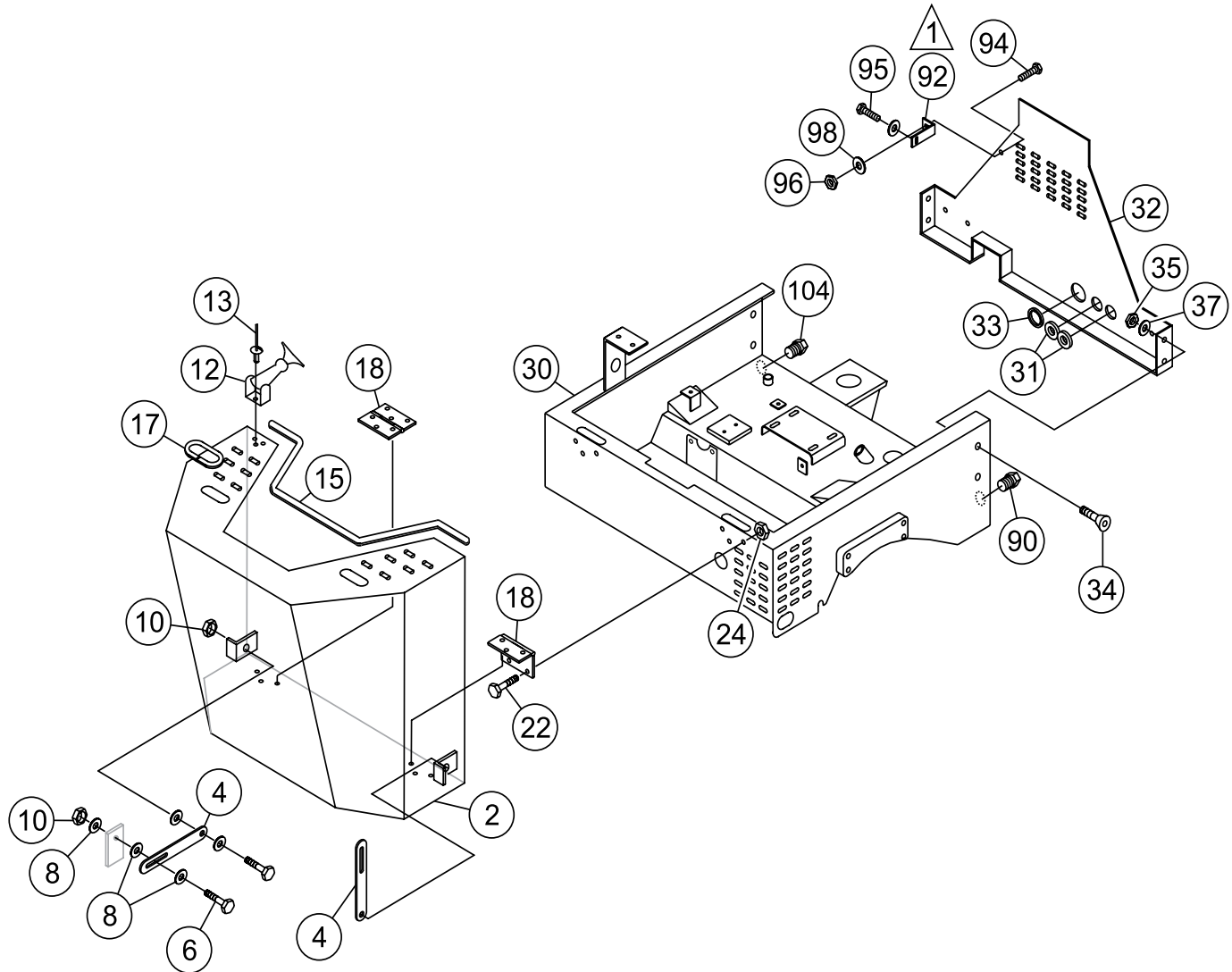
COVERS AND FRAME ARTICULATION LOCK ASSY.



COVERS AND FRAME ARTICULATION LOCK ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
4	513315	REAR WATER TANK COVER	1	
6	509177	BOLT, 5/16"	4	
20	515416	FLOOR PLATE	1	
21	515415	ARM, FLOOR COVER	1	
22	509177	BOLT, 5/16"X3/4"	2	
23	512881	RIVET AM-54.....	1.....	REPLACES P/N 503723
24	511474	BRACKET, ARM	1	
27	508679	SEAL, RUBBER	11.8"	
29	509074	PIN, COTTER 3/32"	1	
30	514243	CONSOLE COVER	1	
32	492363	BOLT, 5/16"X3/4"NC G5	6	
33	EM923023	WASHER, FLAT 5/16".....	6.....	REPLACES P/N 505679
34	EM923343	WASHER, LOCK 5/16".....	6.....	REPLACES P/N 492623
136	507888	SEAT	1	
138	EM923023	WASHER, FLAT 5/16".....	12.....	REPLACES P/N 505679
140	2105164	NUT, NYLON 5/16"-18.....	4.....	REPLACES P/N 492582
142	510875	BOLT, 3/4"NC X 1-1/2"	4	
159	513314	SCREW 1/4"X3/4"	1	
161	513471	LOCK CLIP	1	
162	513328	LOCKING ARM	1	
163	2101402	WASHER, LOCK 1/4".....	1.....	REPLACES P/N 492622
164	492410	BOLT, 5/8"NC X 2-1/2" G5	1	
166	506167	WASHER, PLASTIC 5/8"	2	
167	EM923023	WASHER, FLAT 5/16".....	1.....	REPLACES P/N 506109
168	EM969023	NUT, LOCK 5/8".....	1.....	REPLACES P/N 492586
170	745	LOCK PIN	1	
238	29057	DOCUMENT BOX	1	
240	492356	BOLT, 1/4"X3/4"	2	
242	EM923057	WASHER, 1/4".....	8.....	REPLACES P/N 492596
243	492581	NUT, 1/4"-20 NYLON	2	

HOOD AND REAR PANEL ASSY.



NOTES:

△ 1 SECURE TO ENGINE

HOOD AND REAR PANEL ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
2	515703	HOOD	1	
4	513305	HINGE, SLOTTED	2	
6	0202	SCREW, HHC 5/16"X18"X1"	4.....	REPLACES P/N 492364
8	EM923023	FLAT WASHER 5/16"	10.....	REPLACES P/N 505679
10	2105164	NUT, NYLON 5/16"-18	4.....	REPLACES P/N 492582
12	491010	LATCH KIT	2.....	REPLACES P/N 504744
13	512881	RIVET BRAKE LINING	2.....	REPLACES P/N 503723
15	508679	SEAL RUBBER	56.1"	
17	508679	SEAL RUBBER	23.6"	
18	514438	LATCH KIT (HOOD)	2	
22	492356	BOLT 1/4"X3/4"	12	
24	492581	NUT 1/4"	12	
30	515645	FRONT CHASSIS	1	
32	513308	REAR ENGINE COVER	1	
33	13212	GROMMET, 1-1/4" ID	1	
34	506158	BOLT 5/16"X3/4"	4.....	REPLACES P/N 513309
90	490181	SIGHT GLASS	1	
92	516294	SUPPORT, REAR ENGINE COVER	1	
94	0202	BOLT 1/4"X3/4"	1.....	REPLACES P/N 492364
96	2105164	WASHER, LOCK 1/4"	1.....	REPLACES P/N 492622
98	EM923023	FLAT WASHER 5/16"	3.....	REPLACES P/N 492597
100	011208025	BOLT 8X25T	1.....	REPLACES P/N 508342
102	EM923343	WASHER, LOCK 5/16"	1.....	REPLACES P/N 492623
104	506205	PLUG	1	
148	510925	NUT 3/16"	2	
150	513314	BOLT 1/4"X1/2"	2	
155	EM506085	GROMMET	1.....	REPLACES P/N 506085

HOSES **K** **L**
CONNECT TO
MANIFOLD

STEERING
VALVE

3

2

178

182

174

176

184

181

194

190

192

390

195

391

198

200

202

58

52

26

32

30

28

34

36

38

42

40

44

46

48

16

22

32

50

19

172

186

188

L

K

56

54

22

16

24

19

1

2

NOTES:

△ HOSE CONNECTS TO
HYDRAULIC CYLINDER
PORT 2, ITEM 24

△ HOSE CONNECTS TO
HYDRAULIC CYLINDER
PORT 1, ITEM 24

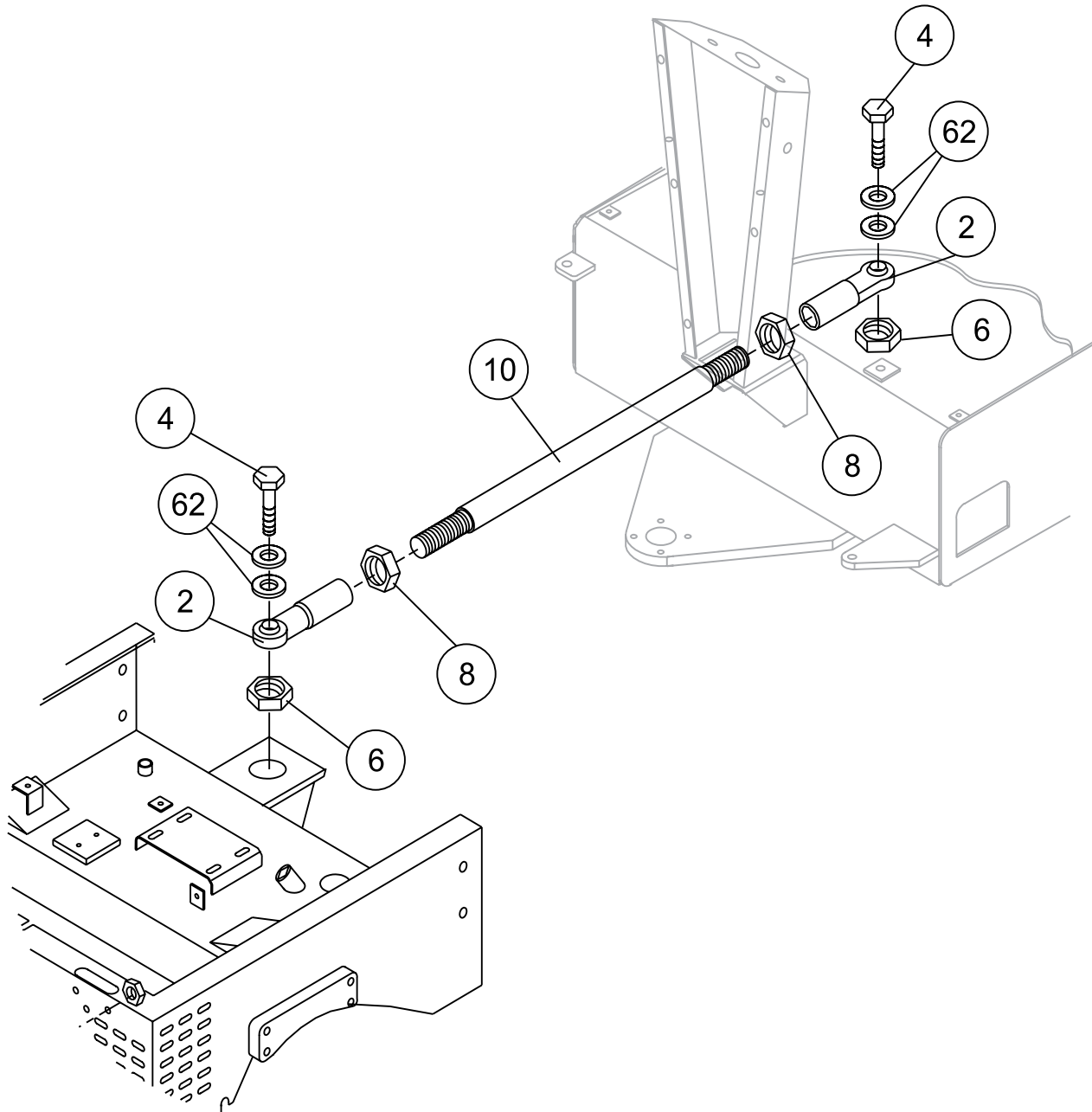
SEE HYDRAULIC
HOSE CONNECTIONS
IN OPERATION MANUAL

K **L**

STEERING COLUMN AND HYDRAULIC ARTICULATION ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
16	EM969023	NUT, LOCK 5/8"	2	REPLACES P/N 492586
18	492413	BOLT, 5/8"UNC X 3-1/2"	1	
19	EM128	BOLT, 5/8"NC X 4" G8	1	
22	506196	ELBOW FITTING	2	
24	513297	CYLINDER, STEERING	1	
26	6109210	BOLT, 1/2"-13X1-1/2"	4	REPLACES P/N 492276
28	513299	COVER, ARTICULATING JOINT	1	
30	EM963055	HEX HEAD CAP SCREW 3/8"X3/4"	3	REPLACES P/N 492373
32	6109180	WASHER, LOCK 1/2" DIA.....	8	REPLACES P/N 492626
34	0166A	WASHER, LOCK 3/8" DIA.....	3	REPLACES P/N 492624
36	513300	RETAINER PLATE	1	
38	513301	SPACER	1	
40	506164	BEARING	1	
42	6109210	BOLT, 1/2"NC X 1-1/2"	4	REPLACES P/N 492276
44	6109180	WASHER, LOCK 1/2"	4	REPLACES P/N 492626
46	513302	BASE, ARTICULATING JOINT	1	
48	513303	ARTICULATING JOINT	1	
50	6109210	BOLT, 1/2"NC X 1-1/2"	4	REPLACES P/N 492276
52	491701	ZERK FITTING	1	
54	513350	HOSE, 9	1	
56	513348	HOSE, 16	1	
58	491008	GREASE COVER	1	
172	509156	NUT	1	
174	493128	WHEEL, STEERING	1	
176	507862	STEERING COLUMN	1	REPLACES P/N 5061861
178	506265	NUT 5/16"	4	
181	513346	HOSES, K AND L	2	
182	EM923343	WASHER, 5/16"	4	REPLACES P/N 492623
184	508335	BUSHING	4	
186	509190	WASHER, 3/4"	1	
188	506186	HYDRAULIC VALVE	1	
190	18706	HOUR METER	1	
192	503119	NUT, LOCK 3/16"	1	
194	692318	SWITCH, STARTER	1	
195	691959	KEY, IGNITION	1	
198	492356	BOLT, 1/4"X3/4"	1	
200	EM969079	NUT, 1/4"	1	REPLACES P/N 492581
202	515791	HARNESS, WIRING	1	
390	515971	INDICATOR, GAUGE, ENGINE STATUS	1	
391	515848	CIRCUIT BREAKER	1	

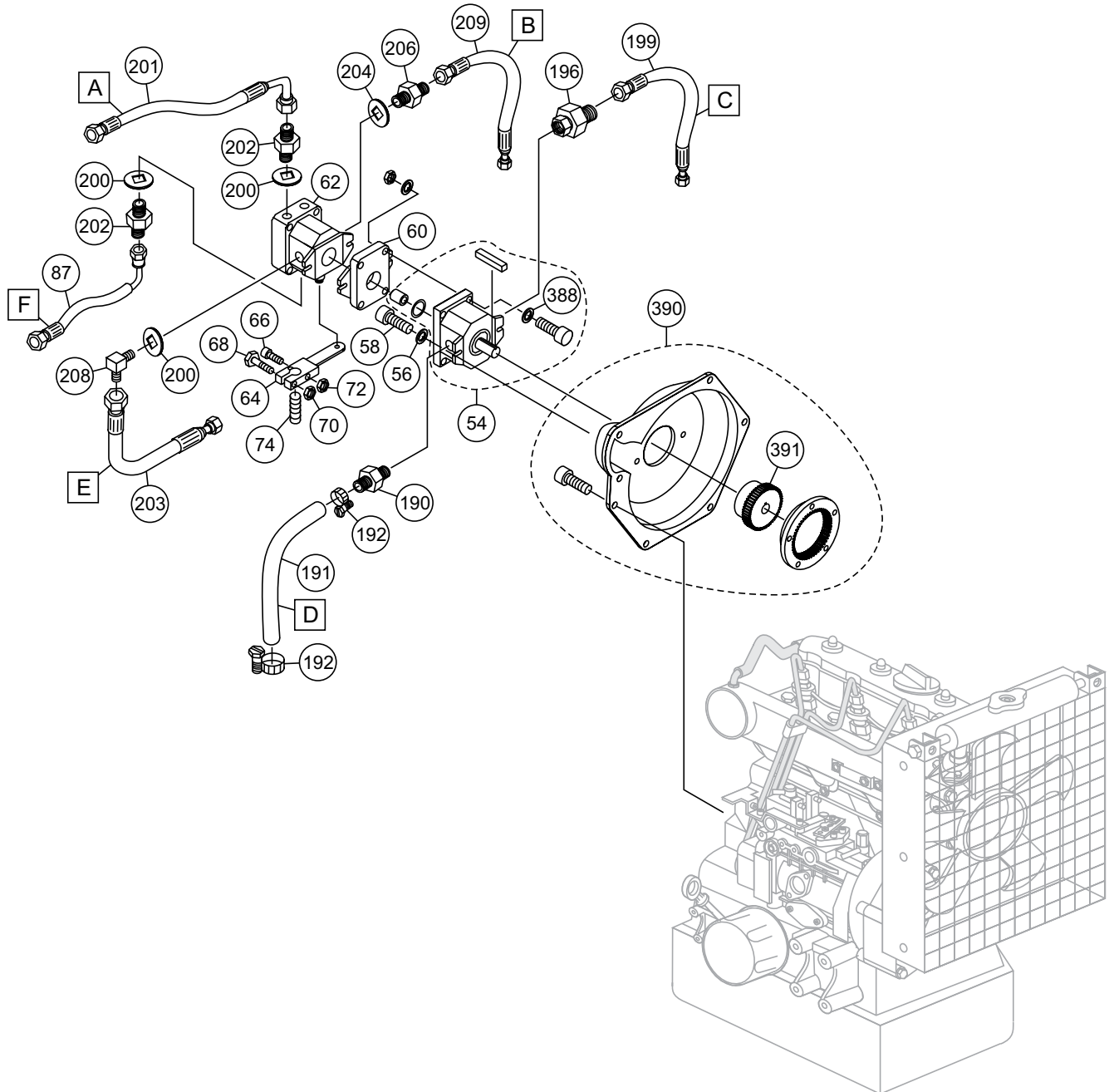
ARTICULATION ARM ASSY.



ARTICULATION ARM ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
2	513294	ROD END	2	
4	514347	BOLT, 3/4" X 2-1/2"	2	
6	EM505069	NUT, 3/4"	2	
8	513295	NUT, 3/4"	2	
10	513296	ROD, DIRECTION STABILIZER	1	
62	514433	FLAT WASHER, 3/4"	4	

HYDRAULIC DRIVE PUMP ASSY.



NOTES

A	C	E	SEE HYDRAULIC HOSE CONNECTIONS IN OPERATION MANUAL
B	D	F	

HYDRAULIC DRIVE PUMP ASSY.

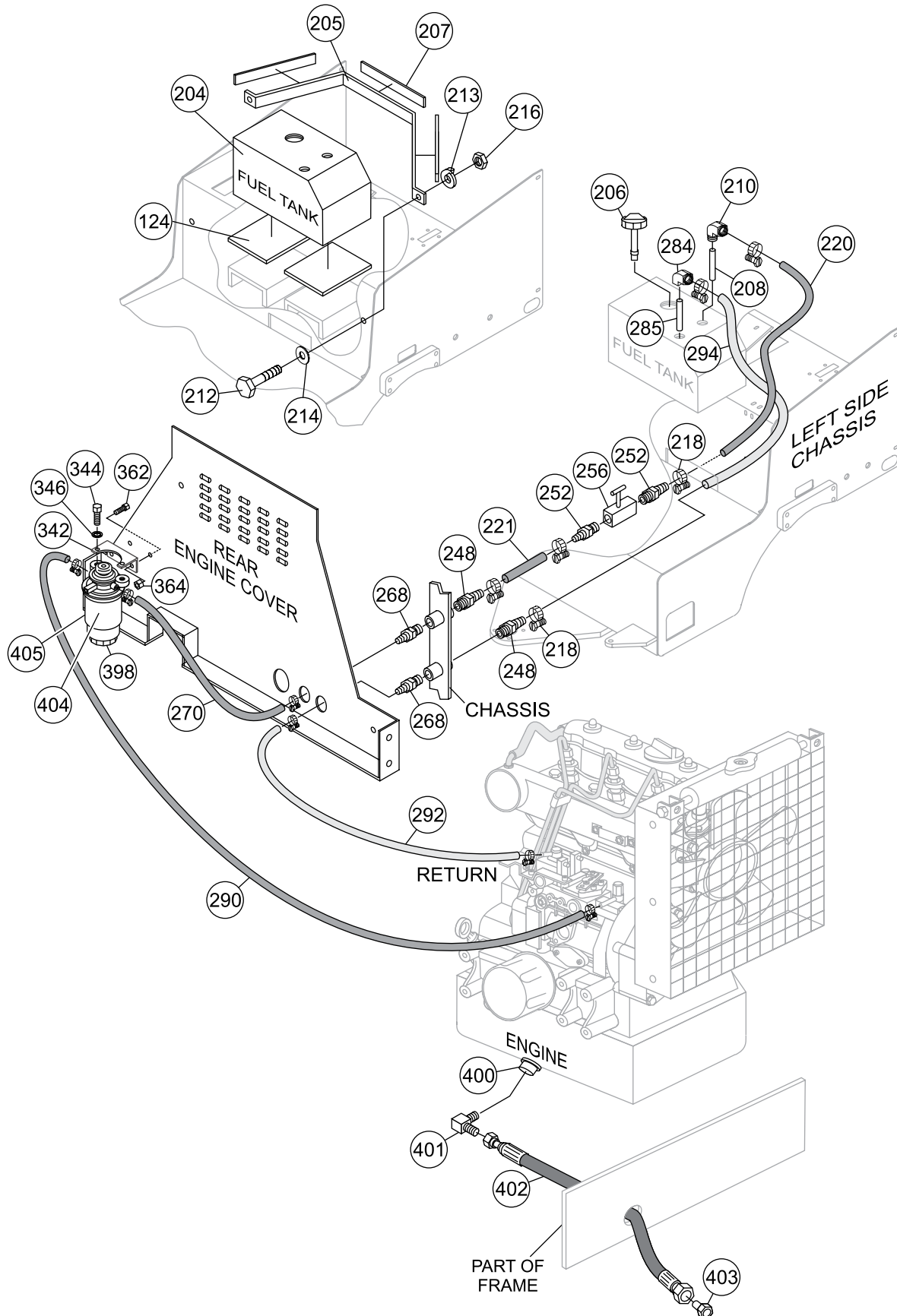
<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
36	516803	ENGINE, BRIGGS AND STRATTON 850D	1	
54	507845	PUMP, STEERING	1	
56	EM508346	WASHER, 3/8"	2	REPLACES P/N 508346
58	EM175	BOLT, 3/8-16X1-1/4 SC HD	2	
60	507860	ADAPTER, STEERING PUMP	1	
62	506187	HYDRAULIC PUMP	1	
64	513310	SHIFT LEVER	1	
66	509144	BOLT, 3/16X1-3/4"	1	
68	2105162	BOLT, 5/16X1-3/4"	1	REPLACES P/N 492367
70	2105164	NUT, NYLON 5/16"-18	1	REPLACES P/N 492582
72	503119	NUT, LOCK 3/16"	1	
74	513489	SCREW, ALLEN HEAD 1/4-20X3/8"	1	REPLACES P/N 492465
87	515727	HOSE	2	
190	506217	FITTING, 3/4"	1	
191	515723	HOSE	1	
192	506207	HOSE CLAMP, HS-16	2	
196	506203	FITTING	1	
199	515725	HOSE	1	
200	508427C	COPPER WASHER, 21/32 IN.	3	
201	515726	HOSE	1	
202	508343	FITTING	3	
203	513339	HOSE	1	
204	508428C	COPPER WASHER, 5/8 IN.	1	
206	506219	FITTING 1/2 IN.	1	
208	506195	FITTING 3703-08-08	1	
209	515724	HOSE	1	
388	EM923343	WASHER, LOCK 5/16"	4	REPLACES P/N 492623
390	515811	COUPLING, FLYWHEEL ASSY.	1	INCLUDES ITEM W/#
391	515811H	HUB, DRIVE	1	

G H SEE HYDRAULIC
HOSE CONNECTIONS
IN OPERATION MANUAL

MANIFOLD AND HYDRAULIC OIL FILTER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
30	515645	CHASSIS AR13D	1	
83	513221	HOSE	1	
87	515727	HOSE	1	
91	EM505186	CUSHION, RUBBER.....	2.....	REPLACES P/N 505186
106	507278	HYDRAULIC TANK CAP	1	
108	506218	STRAIGHT FITTING, 3/4"	1	
110	506221	FILTER	1	
112	508667	OIL FILTER	1	
114	508664	FILTER, HEAD	1	
116	492356	BOLT, 1/4"X3/4"	2	
118	2101402	WASHER, LOCK 1/4"	2.....	REPLACES P/N 492622
120	506204	FITTING	1	
121	EM25507	FITTING	2	
122	506244	BLOCK FILTER, M10	1	
124	508670	VALVE CHECK	1	
126	505976	CLAMP, 3/4"	3	
128	506185	PLATE, CORNER	3	
130	2105162	SCREW, HHC 5/16"-18X1-3/4"	2.....	REPLACES P/N 492367
132	EM923343	WASHER, LOCK 5/16"	3.....	REPLACES P/N 492623
134	492371	BOLT, 5/16" LOCK	1	
136	506201	FITTING, TEE	1	
138	506202	FITTING	1	
140	506206	FITTING	1	
144	506195	FITTING	1	
156	515502	MANIFOLD	1	
157	508814	BOLT, 5/16"X3-1/4"	2	
158	506192	FITTING	2	
160	507774	VALVE, RELIEF 500 PSI	1	
162	507772	PLUG	1	
164	506247	VALVE, NEEDLE	1	
166	506246	VALVE, RELIEF 2000 PSI	1	
168	506245	VALVE, SOLENOID	1	
170	507885	12 VOLT, COIL SOLENOID	1	
172	506182	COUPLING, PSI TEST	3	
174	506190	FITTING	2	
176	511808	ADAPTER, STRAIGHT	2	
178	506190	FITTING	2	
182	506205	PLUG	1	
186	506193	FITTING	5	

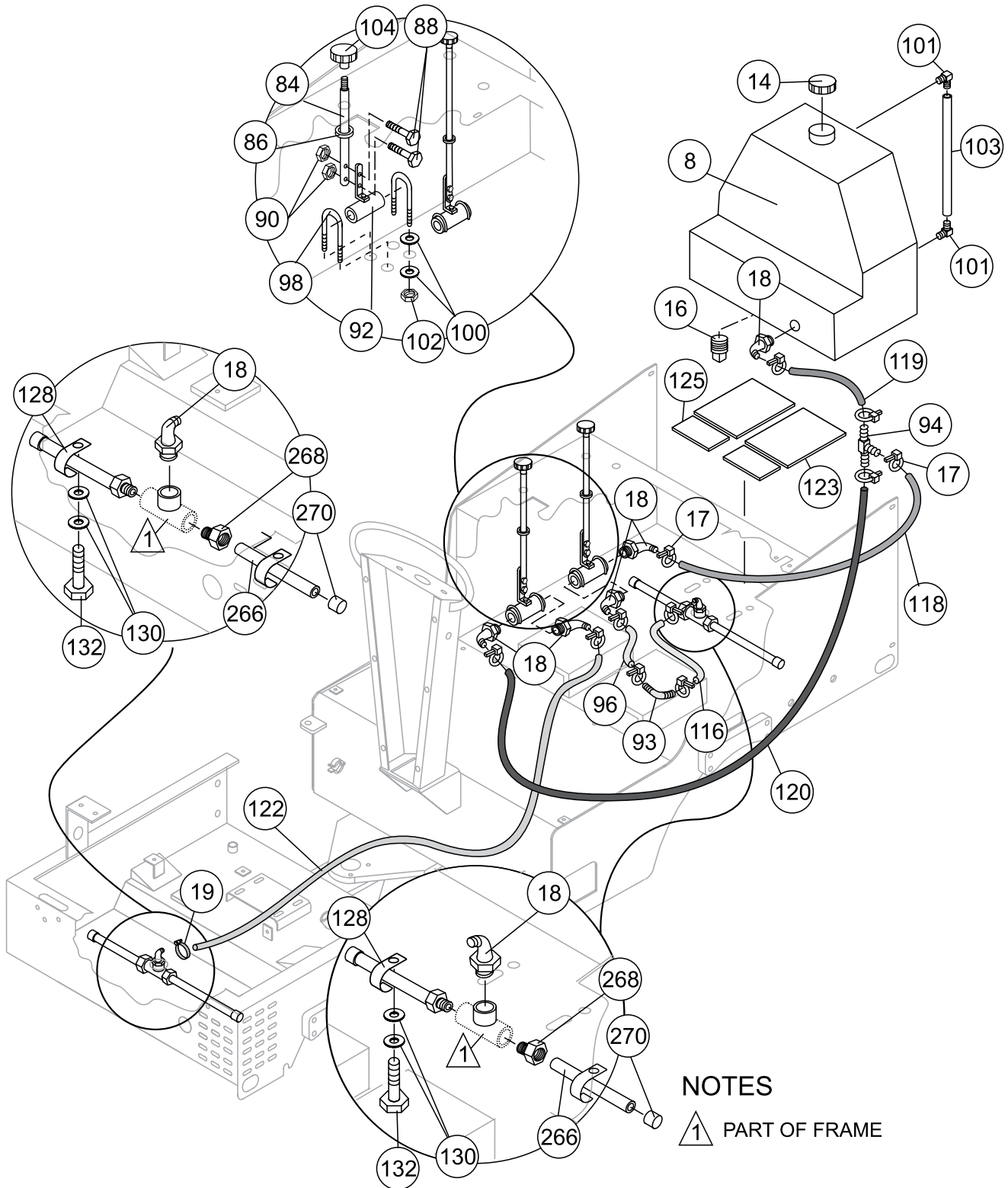
FUEL TANK AND OIL DRAIN HOSE ASSY.



FUEL TANK AND OIL DRAIN HOSE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
124	508302	PAD, RUBBER TANK	2	
204	513329	FUEL TANK	1	
205	514467	BRACKET, FUEL TANK SUPPORT	1	
206	34507	CAP, FUEL W/GAUGE	1	
207	514340	PAD, RUBBER BRACKET 4X36X10 MM	5.6'	
208	505594	FLEX TUBE 5/16"	1	
210	514560	ADAPTER, ELBOW	1	
212	492309	BOLT, 3/8 NC X 3/4" G5	2	
213	EM923343	WASHER, LOCK 5/16"	2	REPLACES P/N 492623
214	3019092	WASHER, FLAT 3/8"	2	
216	2105164	NUT, HEX 5/16"	2	REPLACES P/N 492553
218	506208	CLAMP, HS-4	12	
220	514536	HOSE 4FLH, 5/16"	4.1'	
221	514536	HOSE 4FLH, 5/16"	.7'	
248	512731	ADAPTER	2	
252	512731	ADAPTER	2	
256	EM512722	FUEL, SHUT-OFF VALVE	1	
268	511778	ADAPTER	2	
270	514536	HOSE 4FLH, 5/16"	4.1'	
284	491210	PLUG, TANK 1/4"	1	
285	505594	FLEX TUBE, 5/16"	1	
290	514536	HOSE 4FLH, 5/16"	4.1'	
292	EM20427	HOSE 4FLH, 5/16"	4'	
294	514536	HOSE 4FLH, 5/16"	4.6'	
342	515697	FILTER SUPPORT	1	
344	011208025	BOLT, 8 X 25T	2	REPLACES P/N 508342
346	EM923343	WASHER 5/16"	2	REPLACES P/N 492623
362	492363	BOLT, 5/16" NC X 3/4" G5	2	
364	492582	NUT, 5/16"-18	2	
398	825219	FUEL FILTER ASSEMBLY W/SENSOR	1	
400	516416	ENGINE, OIL DRAIN	1	
401	516417	FITTING 90°	1	
402	516353	HOSE	1	
403	513619	FITTING	1	
404	820311	FUEL, FILTER ELEMENT W/O SENSOR	1	
405	820347	SENSOR, FUEL FILTER	1	

WATER TANK ASSY.



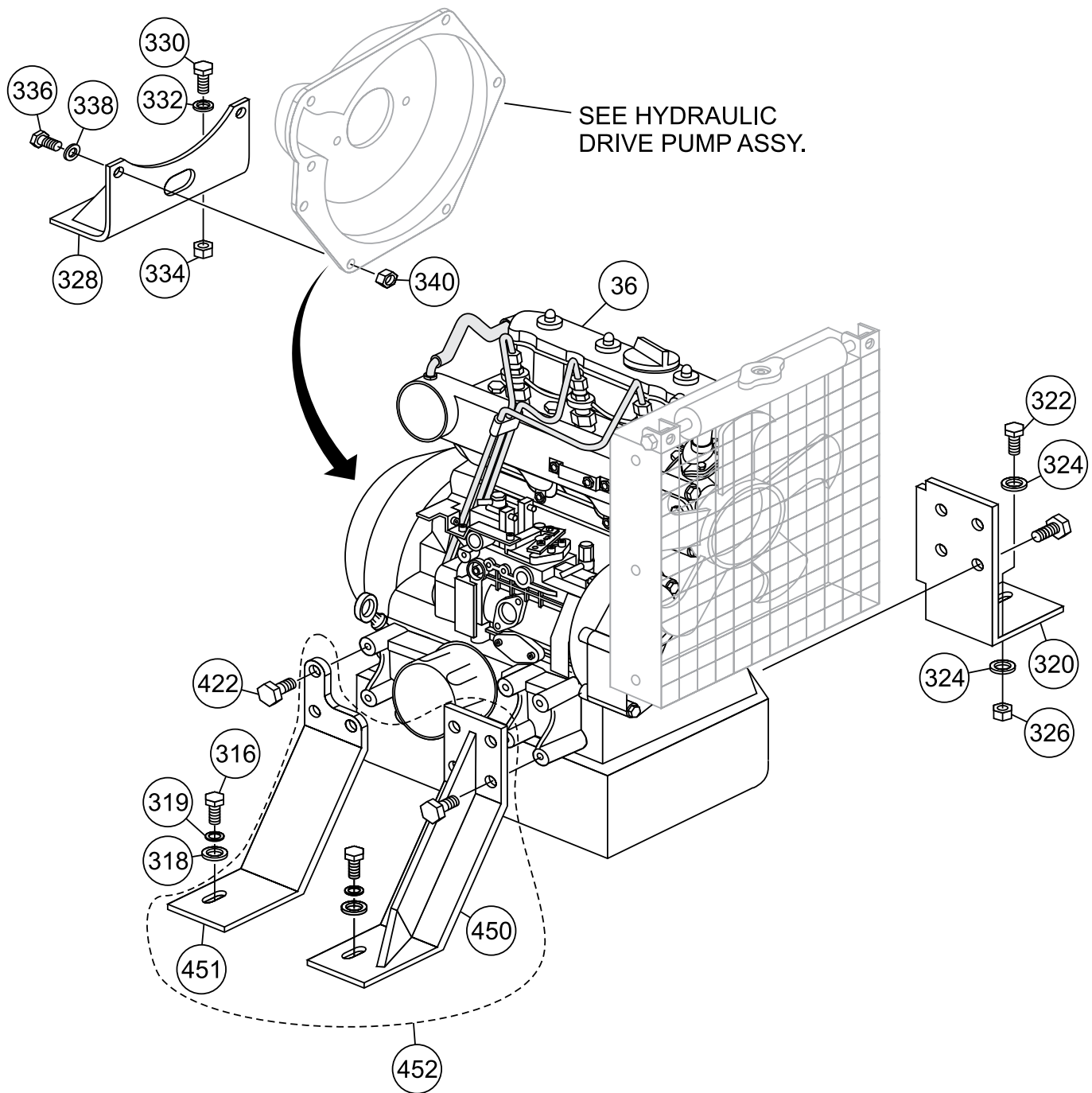
NOTES

1 PART OF FRAME

WATER TANK ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
8	513316	WATER TANK	1	
14	509249	WATER TANK CAP	1	
16	514541	PLUG	1	
17	491028	CLAMP	10	
18	506071	ELBOW PVC	7	
19	506288	CLAMP	1	
84	513321	WATER VALVE EXTENSION	1	
86	EM506085	GROMMET	2	
88	EM492358	BOLT 1/4"NC X 1-1/4", G5	4	
90	492581	NUT, 1/4"	4	
92	513322	VALVE, BALL	2	
93	513351	ELBOW, 90G 1/2" NYLON	1	
94	513379	"T" ADAPTER	1	
96	402010060	HOSE, 1/2"	1.3'	REPLACES P/N 504163
98	506086	U-BOLT, 3/8"	4	
100	3019092	WASHER, FLAT 3/8"	16	REPLACES P/N 492598
101	EM20426	ELBOW, BRASS	2	
102	508435	LOCK NUT	8	
103	EM20415	TUBE, 5/16"	2.3'	
104	503015	KNOB, HANDLE ADJ.	2	
116	402010060	HOSE, 1/2"	33'	REPLACES P/N 504163
118	402010060	HOSE, 1/2"	66'	REPLACES P/N 504163
119	402010060	HOSE, 1/2"	2'	REPLACES P/N 504163
120	402010060	HOSE, 1/2"	5'	REPLACES P/N 504163
122	402010060	HOSE, 1/2"	6.2'	REPLACES P/N 504163
123	508301	PAD, WATER TANK	2	
125	508251	PAD, WATER TANK	2	
128	506084	CLAMP	4	
130	EM923023	WASHER, 5/16"	4	REPLACES P/N 505679
132	EM492299	SCREW, HHC 5/16"-18X1/2"	4	REPLACES P/N 505401
266	506072	PVC, TUBE	4	
268	506074	MALE ADAPTER	4	
270	508610	CAP	4	

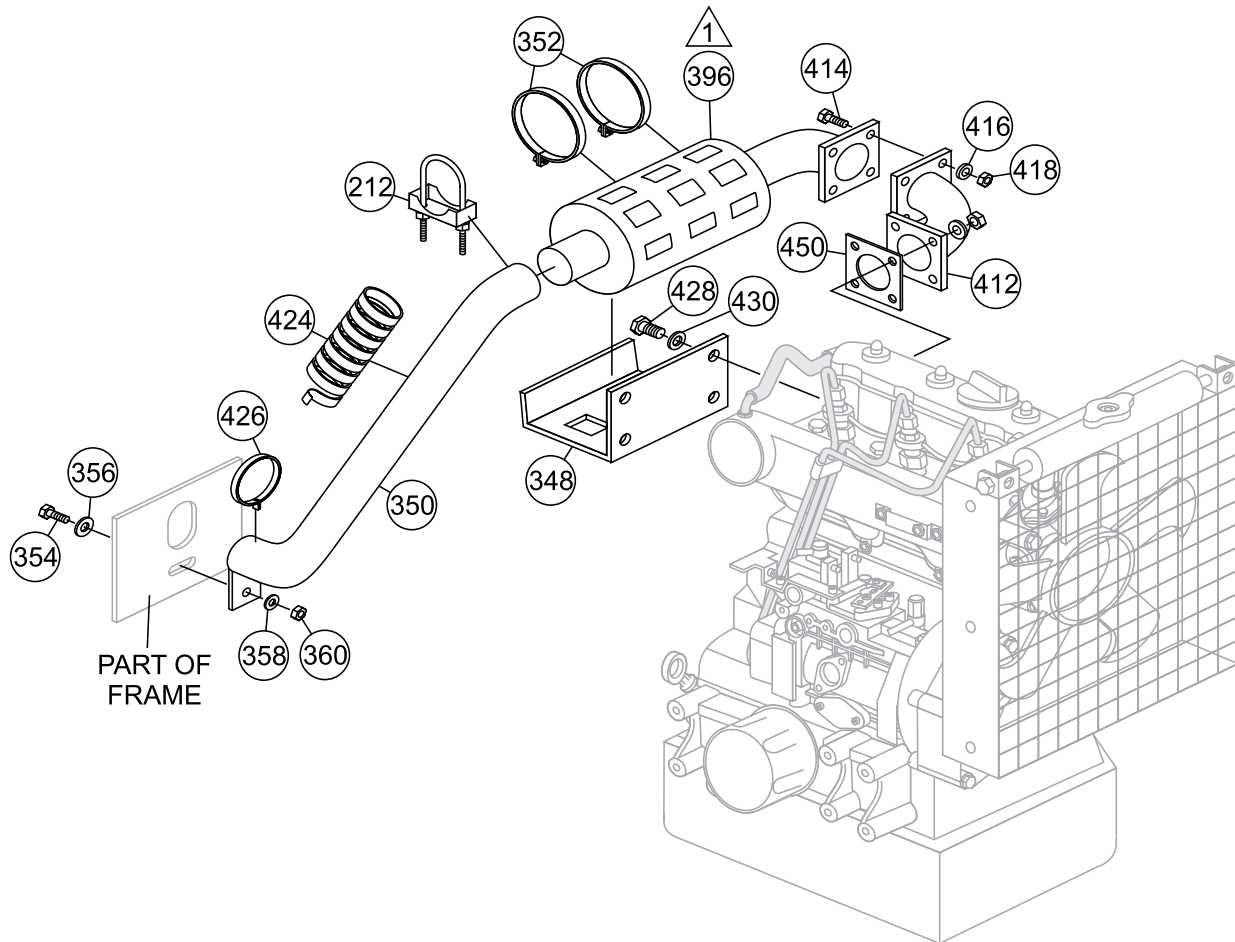
ENGINE MOUNTING ASSY.



ENGINE MOUNTING ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
36	515803	DIESEL ENGINE, B & S 850D.....	1.....	INCLUDES ITEMS W/#
316	515800	BOLT 7/16"NC X 1" G5	2	
318	492599	WASHER, 7/16"	2	
319	492625	WASHER, 7/16"	2	
320	515659	MOUNT, ENGINE	1	
322	EM963057	CAP SCREW 3/8"X1-1/2"	2.....	REPLACES P/N 492313
324	3019092	WASHER, FLAT 3/8"	4.....	REPLACES P/N 492598
326	EM969013	NUT NYLOC	2.....	REPLACES P/N 492583
328	515650	MOUNT, ENGINE	1	
330	EM963610	CAP SCREW 3/8"NC X 1-1/4" G8	2.....	REPLACES P/N 492376
332	3019092	WASHER, FLAT 3/8"	2.....	REPLACES P/N 492598
334	EM969013	NUT NYLOC	2.....	REPLACES P/N 492583
336	2105162	SET BOLT, ENGINE.....	2.....	REPLACES P/N 492367
338	EM923023	WASHER, FLAT 5/16"	2.....	REPLACES P/N 492597
340	2105164	NUT, 5/16"	2.....	REPLACES P/N 492582
450#@		MOUNT, ENGINE	1	
451#@		MOUNT, ENGINE	1	
452#	835034	ENGINE MOUNT KIT	1.....	INCLUDES ITEMS W/@

MUFFLER ASSY.



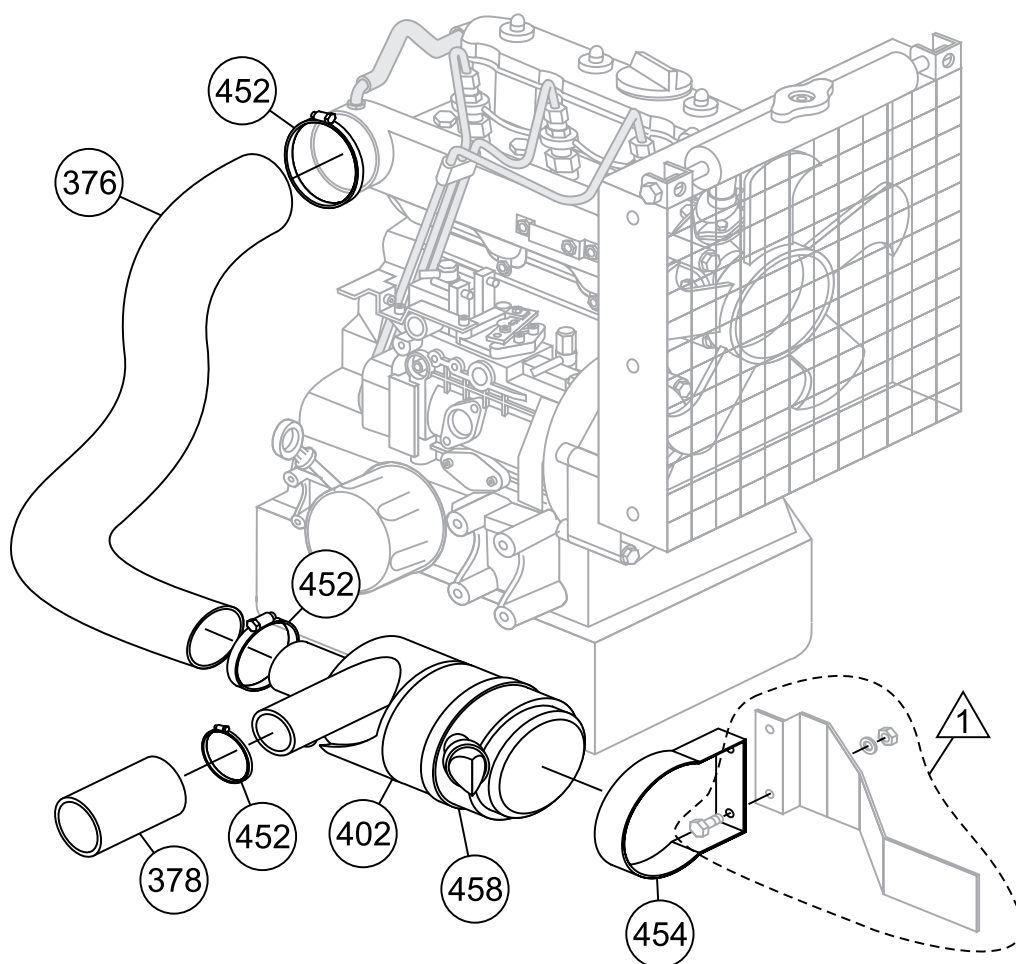
NOTES

- 1 MUFFLER SOLD WITH ENGINE

MUFFLER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
212	506257	U-BOLT	1	
348	515667	MOUNT PLATE, MUFFLER	1	
350	515663	MUFFLER BASE EXTENSION	1	
352	493108	CLAMP	2	
354	0202	SCREW, HHC 5/16-18X1"	1.....	REPLACES P/N 492364
356	EM923023	WASHER, FLAT 5/16"	1.....	REPLACES P/N 492597
358	EM923343	WASHER, LOCK 5/16"	1.....	REPLACES P/N 492623
360	2105164	NUT, 5/16"	1.....	REPLACES P/N 492553
396	835029	MUFFLER	1.....	INCLUDED WITH ENGINE
412	516291	ELBOW, EXHAUST	1	
414	0202	SCREW, HHC 5/16-18X1"	4.....	REPLACES P/N 492364
416	EM923343	WASHER, LOCK 5/16"	4.....	REPLACES P/N 492623
418	2105164	NUT, HEX 5/16" DIA-NC	4.....	REPLACES P/N 492553
424	517127	WRAP, 2"X1/16"X8'	11.5'	REPLACES P/N 510718
426	517328	CLAMP	1	
428	506886	BOLT	4	
430	EM923343	WASHER, LOCK.....	4.....	REPLACES P/N 492623

AIR CLEANER ASSY.



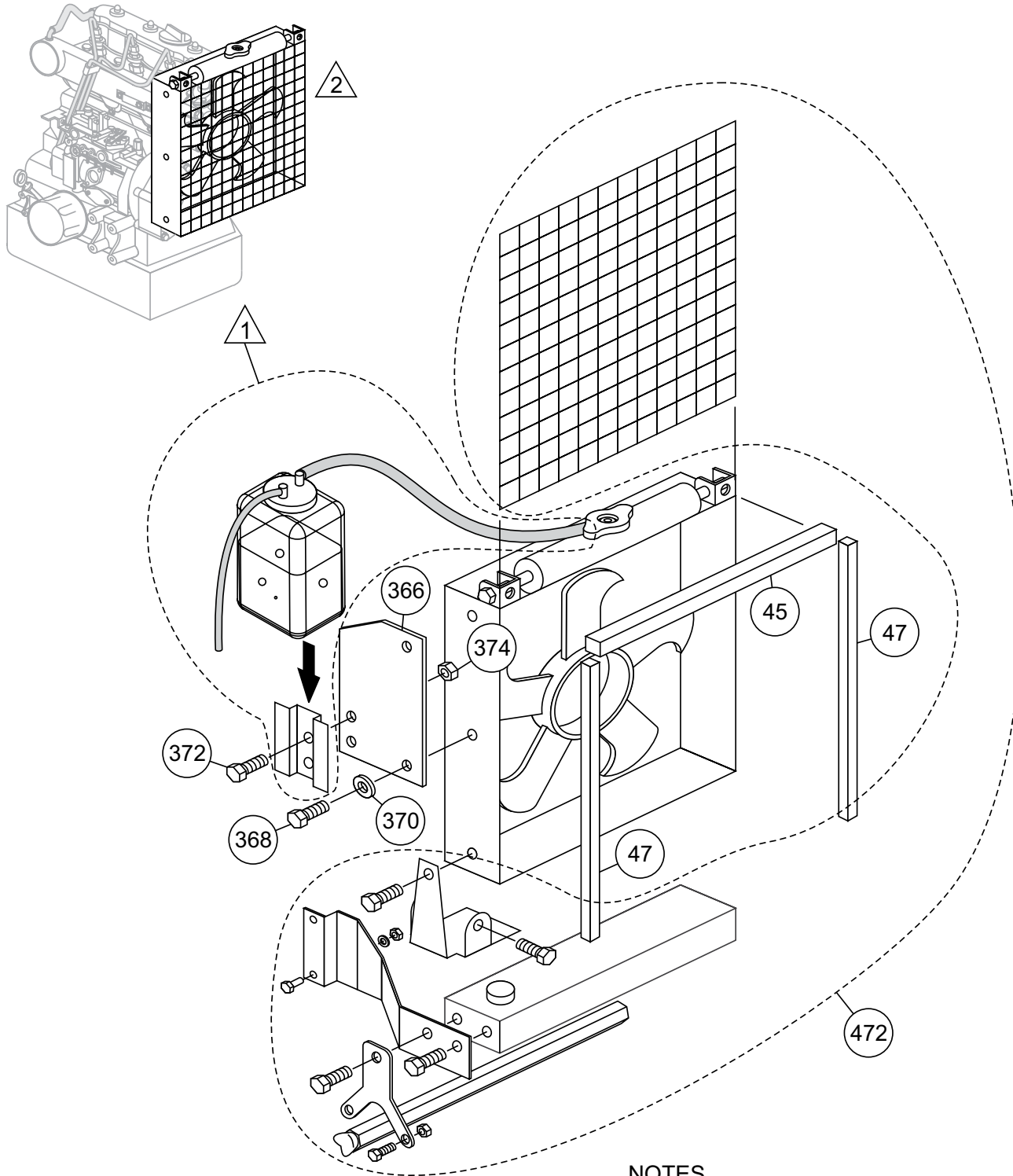
NOTES

- ① ITEMS WITHIN DASHED LINE ARE INCLUDED WITH RADIATOR MOUNTING KIT. SEE RADIATOR ASSY.

AIR CLEANER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
376	515801	AIR INTAKE HOSE	1	
378	515696	HOSE, AIR INLET	1	
402	835007	AIR CLEANER.....	1.....	INCLUDED WITH ENGINE
452	515802	CLAMP	3	
454		MOUNT, AIR CLEANER	1.....	INCLUDED WITH ITEM #402
458	M113621	ELEMENT, AIR FILTER	1	

RADIATOR ASSY.



NOTES

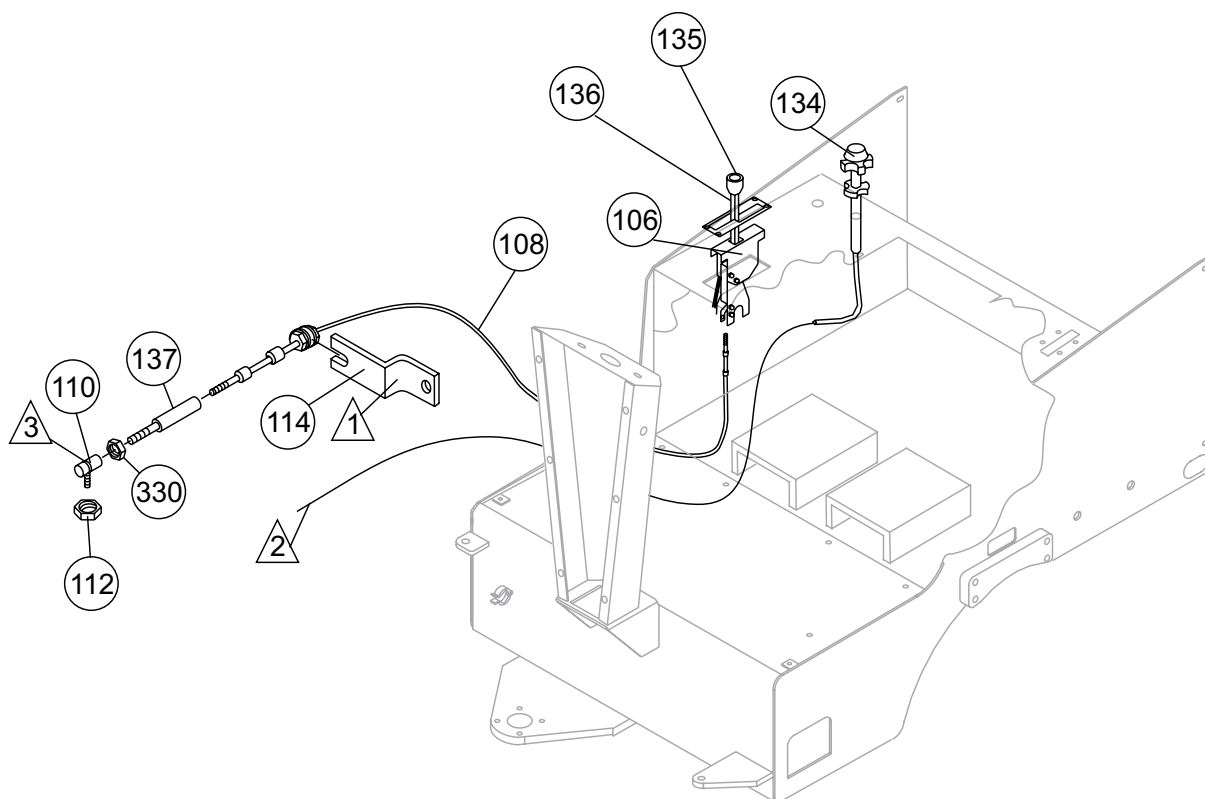
1 ITEMS WITHIN DASHED LINE ARE INCLUDED WITH ENGINE. REFER TO B & S ENGINE PARTS MANUAL.

2 RADIATOR INCLUDED WITH ENGINE. REFER TO B & S ENGINE PARTS MANUAL.

RADIATOR ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
45	516422	TRIM EDGE, 1"X1"	2.62'	
47	516421	TRIM EDGE, 3/4"X3/4"	2.62'	
366	515660	MOUNT, RADIATOR OVERFLOW	1	
368	EM506599	BOLT, HEX 6MM X 15.....	2.....	REPLACES P/N 506599
370	2101402	WASHER, LOCK 1/4"	2.....	REPLACES P/N 492622
372	492356	BOLT, 1/4"X3/4"	2	
374	492581	NUT, 1/4"-20 NYLON LOCK	2	
472	835085	RADIATOR MOUNTING KIT	1	

THROTTLE ASSY.



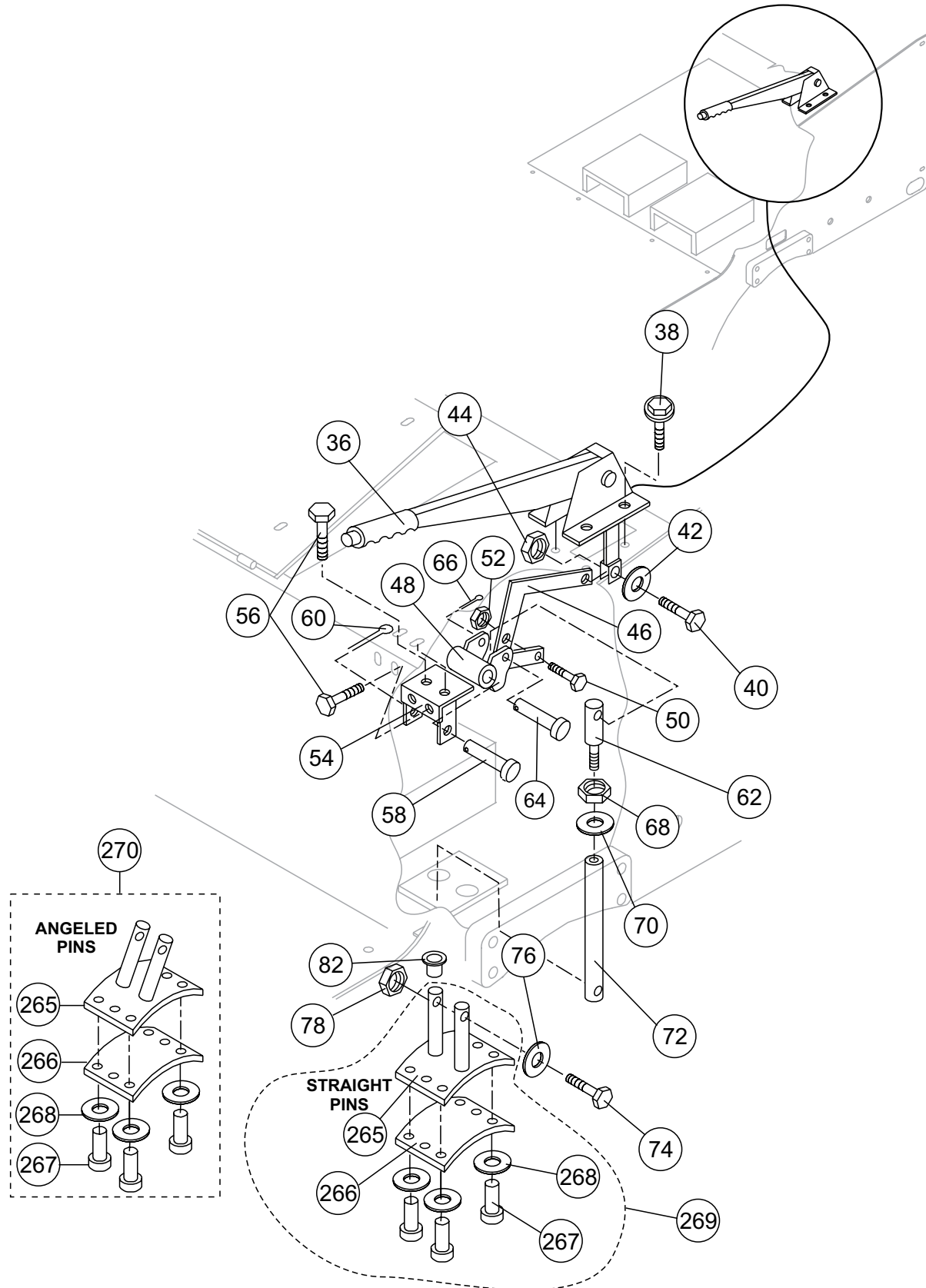
NOTES:

- ① ITEM 114 BOLTS TO ENGINE
- ② THROTTLE CABLE CONNECTS TO ENGINE
- ③ ITEM 110 CONNECTS TO ITEM 64, SEE HYDRAULIC DRIVE PUMP ASSY.

THROTTLE ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
106	513323	TRAVEL LEVER (FORWARD/REVERSE)	1	
108	513324	CABLE, FORWARD/REVERSE	1	
110	516487	JOINT BALL	1	
112	508451	LOCK NUT 1/4"-28 NF	1	
114	513325	ADVANCE CABLE SUPPORT	1	
134	510229	CABLE THROTTLE ASSEMBLY	1	
135	G201	KNOB, HANDLE	1	
136	DA1252	LEVER, HANDLE	1	
137	516116	NUT, 1/4-20 HEX	1	
330	EM968435	NUT	1	

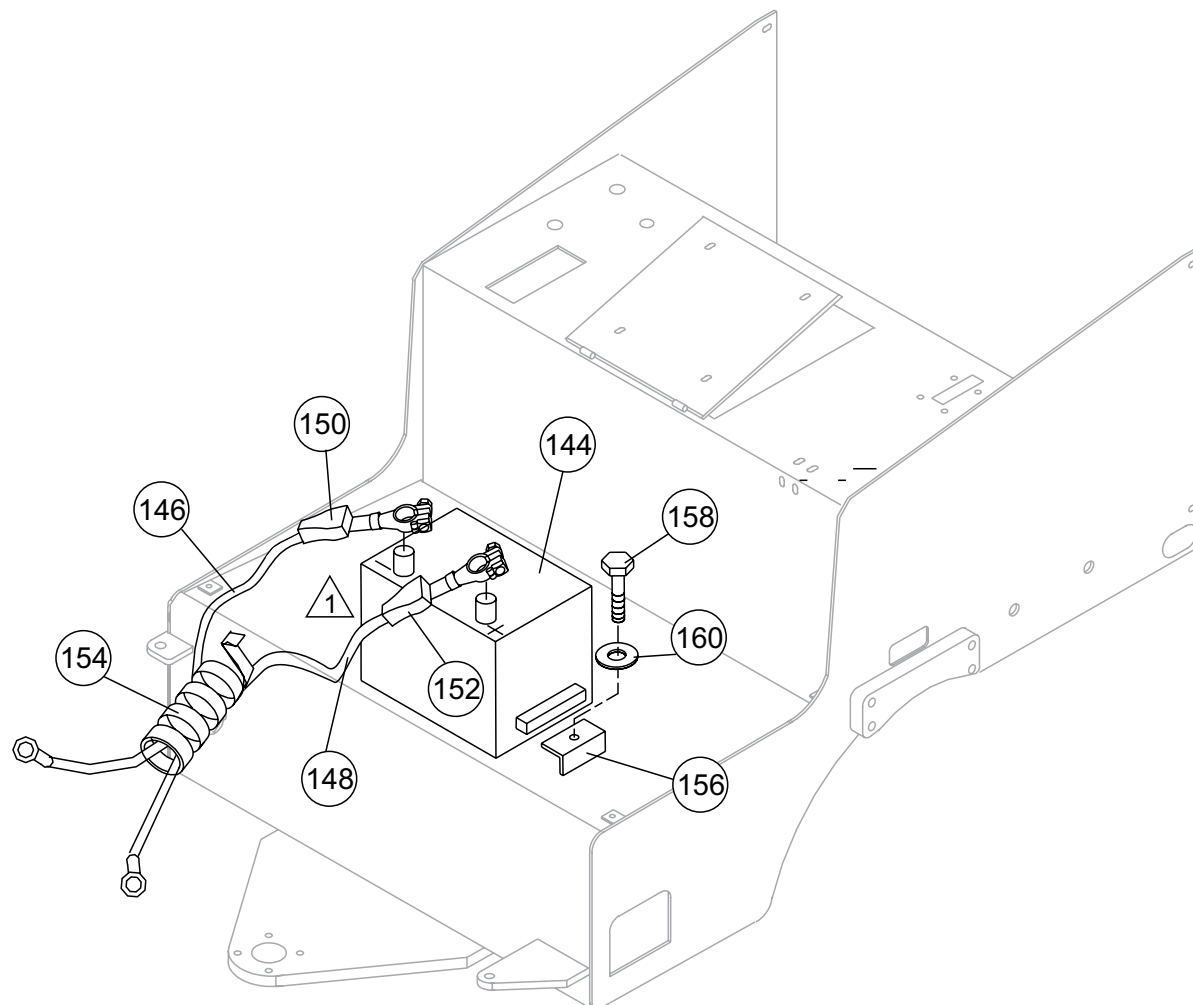
BRAKE CONTROL ASSY.



BRAKE CONTROL ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
36	506046	LEVER, BRAKE	1	
38	506158	BOLT, 5/16"NC X 3/4" G5	4	
40	492303	BOLT, 5/16"NC X 1/1/4" G5	1.....	REPLACES P/N 492365
42	EM923023	WASHER, FLAT 5/16"	2.....	REPLACES P/N 492597
44	2105164	NUT, NYLON 5/16"-18	1.....	REPLACES P/N 492582
46	506057	BRAKE LINK	1	
48	505999	BELL CRANK	1	
50	EM963097	BOLT, 3/8"NC X 1/1/2" G5	1.....	REPLACES P/N 492313
52	EM969013	NUT, LOCK 3/8"	1.....	REPLACES P/N 492583
54	506000	BRACKET, BRAKE	1	
56	508674	BOLT, 5/16"NC X 1" G5	4	
58	506042	PIN, CLEVIS	1	
60	506044	KEY, COTTER	1	
62	508450	ROD, BRAKE UPPER	1	
64	506043	PIN, CLEVIS	1	
66	2219	KEY, COTTER.....	1.....	REPLACES P/N 491687
68	4702	NUT, HEX 5/8"	1.....	REPLACES P/N 492570
70	EM923348	WASHER, LOCK 5/8"	1.....	REPLACES P/N 492627
72	508449	BRAKE, ROD	1	
74	503116	BOLT, HEX HEAD 3/8"NC X 4"	1	
76	3019092	WASHER, FLAT 3/8"	2.....	REPLACES P/N 492598
78	EM969013	NUT, LOCK 3/8"	1.....	REPLACES P/N 492583
82	506001	BUSHING, PLASTIC	1	
265#%	513320	SUPPORT, BRAKE SHOE	1	
266#%	505997	BRAKE PAD	1	
267#%	508566	RIVET	6	
268#%	508386	WASHER, 3/16"	6	
269	505994	BRAKE PAD ASSEMBLY, STRAIGHT PINS.....	1.....	INCLUDES ITEMS W/#
270	513193	BRAKE PAD ASSEMBLY, ANGLED PINS	1.....	INCLUDES ITEMS W/%

BATTERY ASSY.



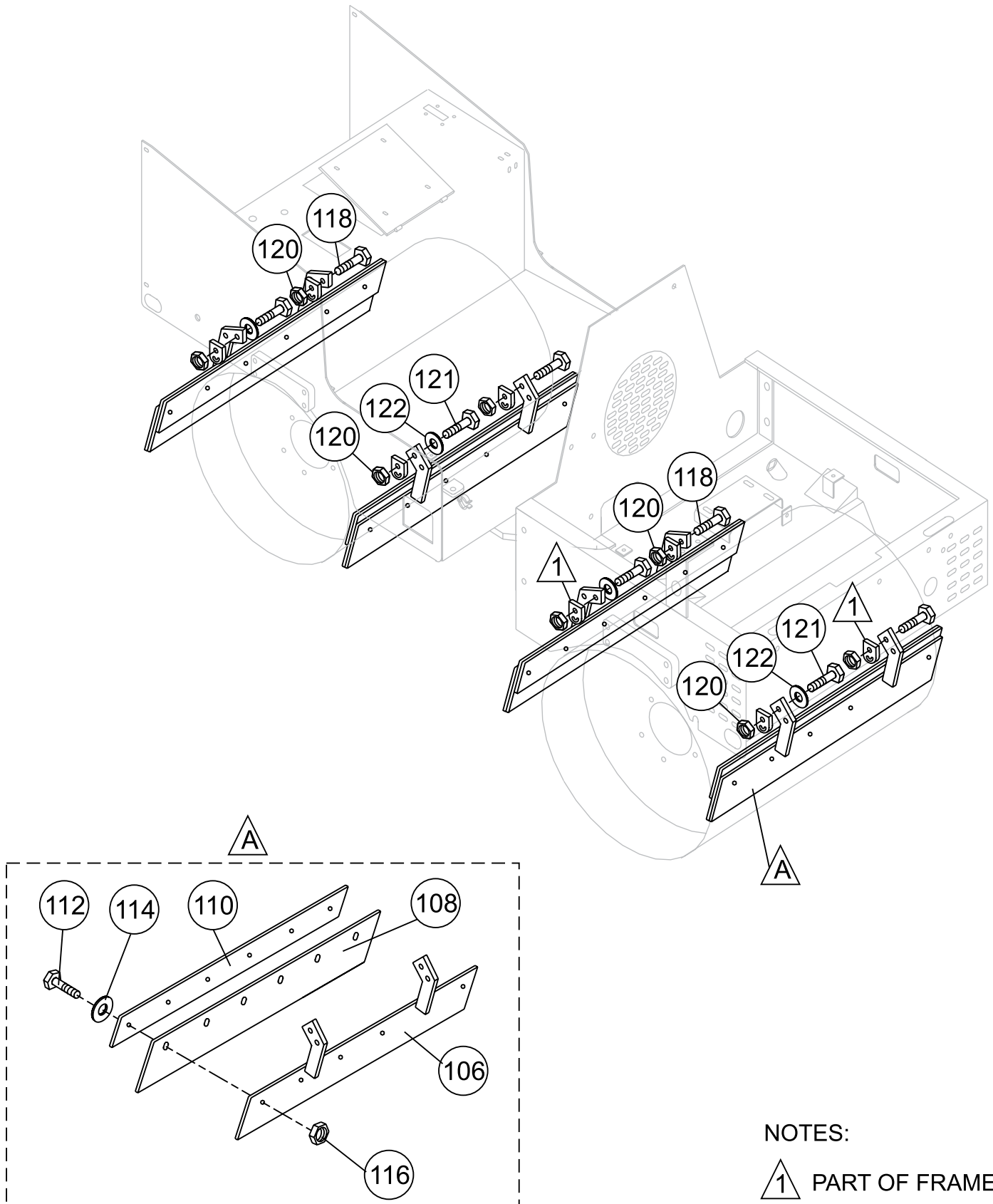
NOTES:

-  REMOVE ITEMS 20
AND 29 ON COVERS AND FRAME
ARTICULATION LOCK ASSY.
FOR BATTERY ACCESS

BATTERY ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
144	514391	BATTERY, 12V	1	
146	515119	CABLE (-) BATTERY	1	
148	515115	CABLE (+) BATTERY	1	
150	505624	BATTERY TERMINAL COVER, BLACK	1	
152	506266	BATTERY TERMINAL COVER, RED	1	
154	506153	WRAP	1	
156	514387	CLAMP, BATTERY	1	
158	492359	HEX HEAD SCREW 3/8"X2" NC G5	1	
160	2101402	WASHER, LOCK 1/4"	1.....	REPLACES P/N 492622

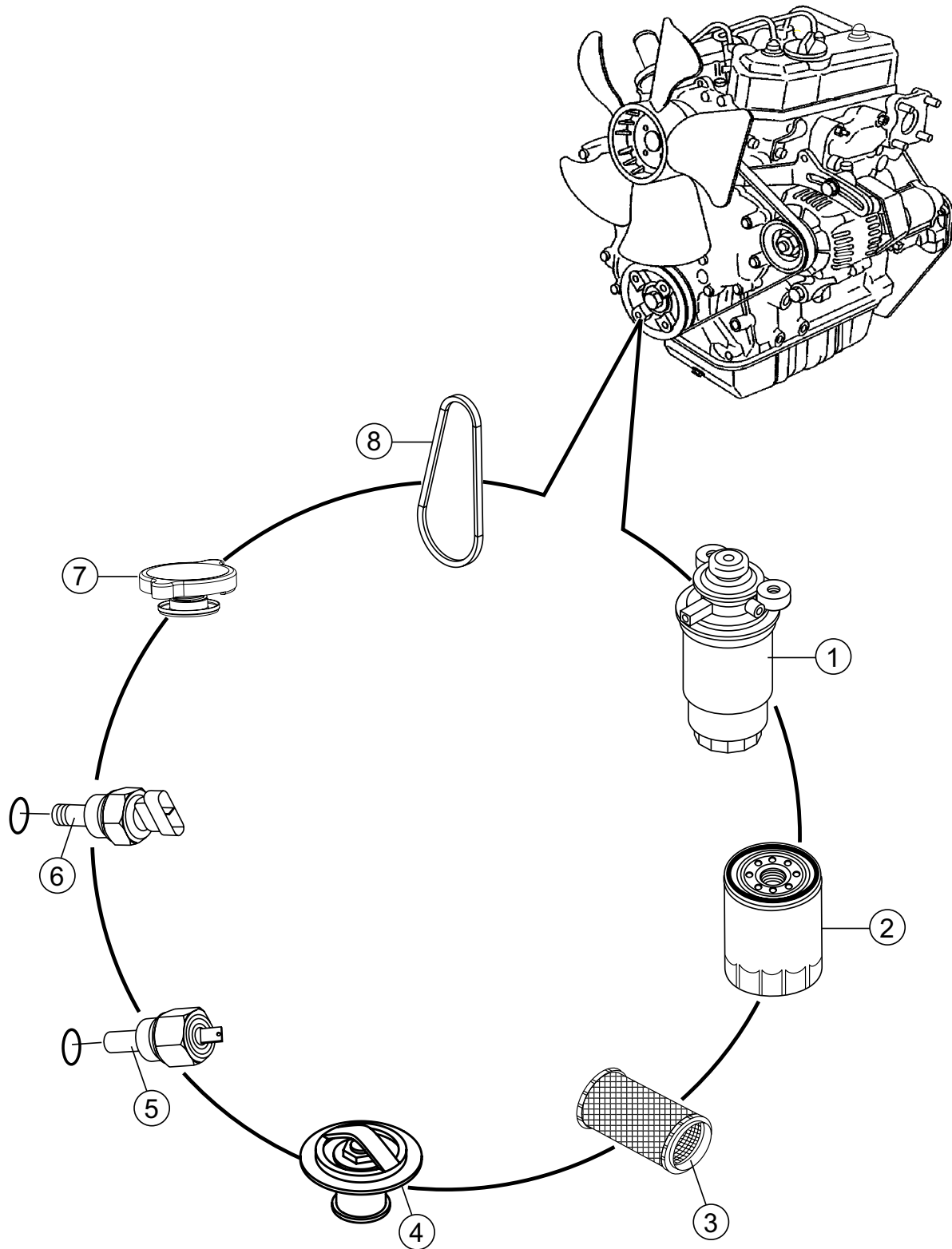
SCRAPER ASSY.



SCRAPER ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
106	513290	SCRAPER, SUPPORT	4	
108	508433	SCRAPER, RUBBER	4	
110	508434	PLATE, BACKING	4	
112	EM963057	BOLT, 3/8"	12	REPLACES P/N 492313
114	3019092	WASHER, FLAT 3/8"	12	REPLACES P/N 492598
116	EM969013	NUT, LOCK 3/8"	12	REPLACES P/N 492583
118	EM963692	BOLT, 1/2"UNC X 1-1/2"	8	REPLACES P/N 492394
120	492584	NUT, LOCK 1/2" NC	8	
122	621	WASHER, 1/2" SPECIAL	8	

ENGINE SERVICE PARTS ASSY.



ENGINE SERVICE PARTS ASSY.

<u>NO.</u>	<u>PART NO.</u>	<u>PART NAME</u>	<u>QTY.</u>	<u>REMARKS</u>
1	820311	FUEL FILTER	1	
2	820314	OIL FILTER	1	
3	M113621	AIR FILTER ELEMENT	1	
4	825064	THERMOSTAT	1	
5	821135	OIL PRESSURE SWITCH	1	
6	820208	WATER TEMP. SWITCH	1	
7	820258	RADIATOR CAP	1	
8	821075	FAN BELT	1	