

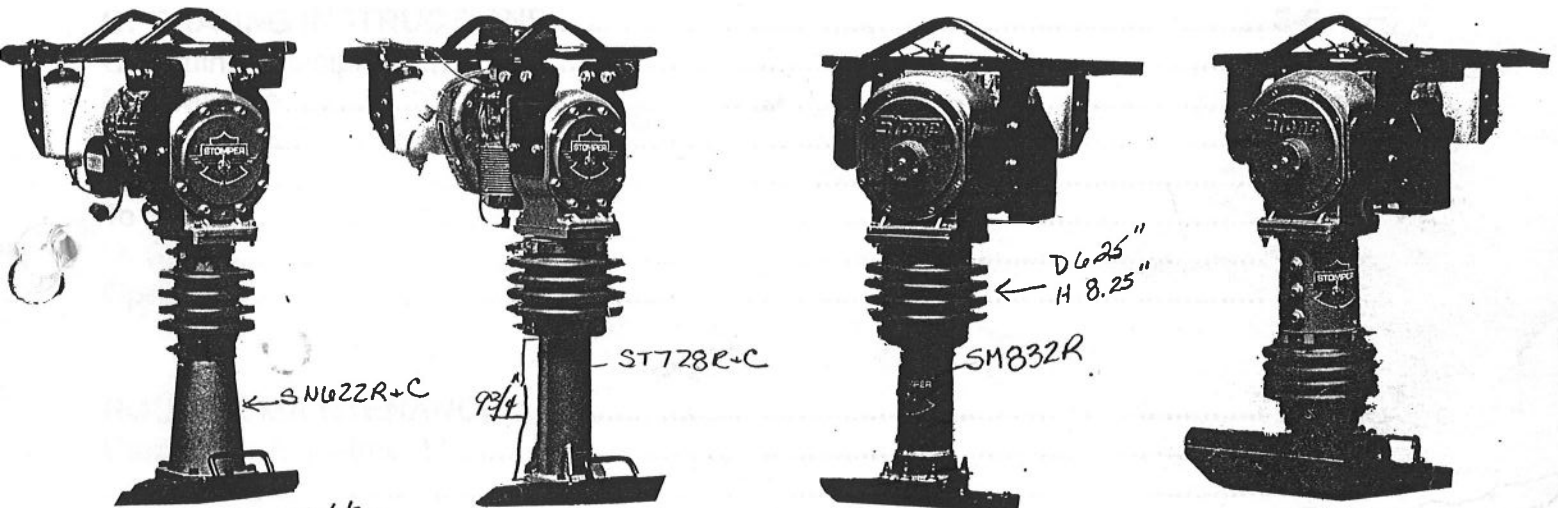


OPERATOR/SERVICE MANUAL

MODELS: SN622R, SN622C

Has a governor on engine ← **ST728R, ST728C** → *has a reed plate*

SM832R, SW945R



*Is tighten shoe-tighten
boot clamp (may be a
little play.)*

STOMPER

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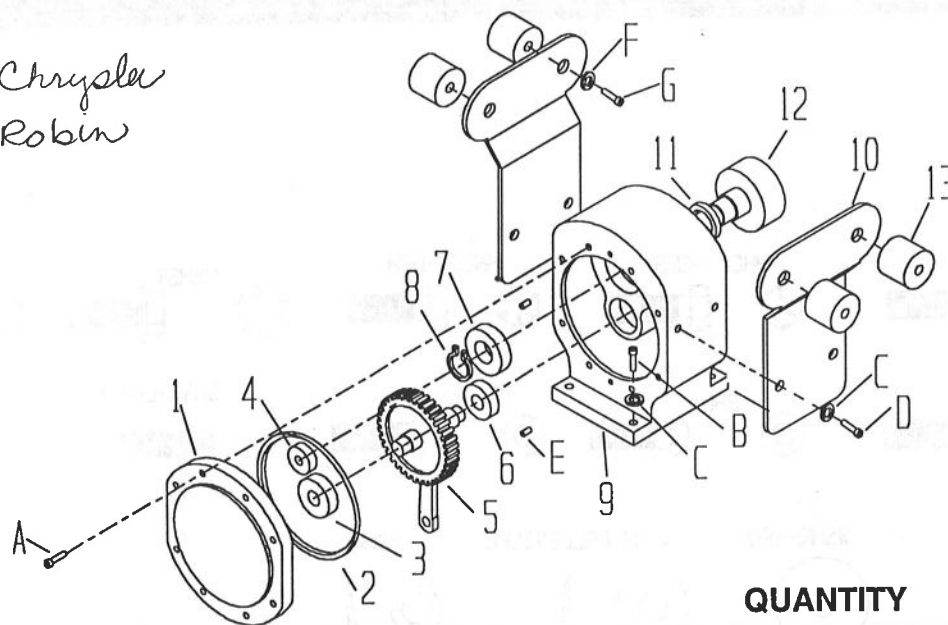
OPERATOR/SERVICE MANUAL

SN, ST, SM, SW Stomper Models

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GEARCASE for SN and ST Series

Assy 25909 Chrysler
22908 Robin

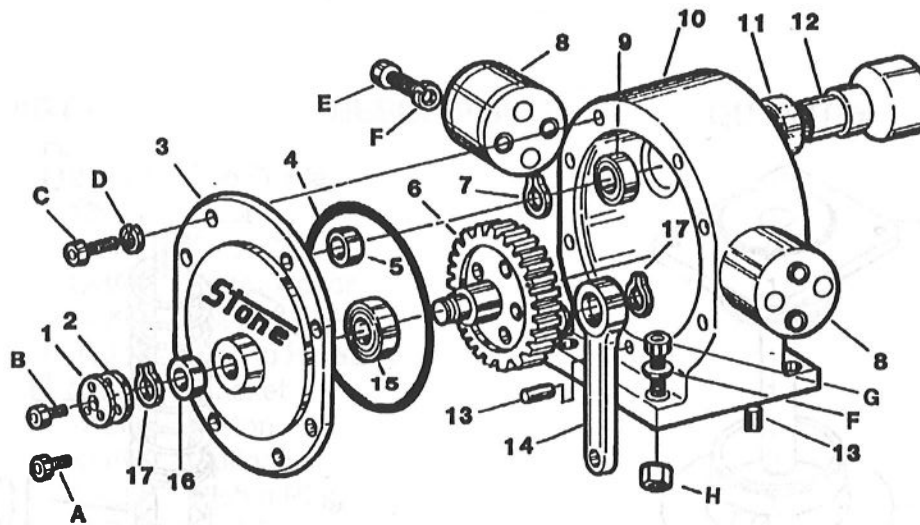


ITEM	PART NO.	DESCRIPTION	QUANTITY	
			SN622R,ST728R	SN622C,ST728C
1	42476-2	Case Cover	1	1
2	32254	O-Ring	1	1
3	32022	Bearing	1	1
4	32255	Bearing	1	1
5	42471	Crank Shaft Assy 52T	1	-
	42474	Crank Shaft Assy 54T	-	1
6	32023	Bearing	1	1
7	32213	Bearing	1	1
8	30192	Retaining Ring	1	1
9	42478-2	Gearcase	1	1
10	42939-2	Shock Mount Brkt	2	2
*11	38507	Shaft Seal	1	1
12	42466	Clutch Shaft 8T	1	-
	42464	Clutch Shaft 6T	-	1
13	47014	Shock Mount	4	4

ITEM	PART NO.	DESCRIPTION	QTY	TORQUE	
				(NM)	(LB.FT.)
A	80085	HHCS 5/16-18 X 1 ZN	8	29	21
B	80427	SHCS 3/8-16 X 1-1/2 BLK	4	42	30
C	80058	WSHRL 3/8 MED SPLIT ZN	8	-	-
D	80047	SHCS 3/8-16 X 1 BLK	4	42	30
E	80002	PIN 1/4 inch	2	-	-
F	80117	WSHRL 1/2 MED SPLIT	4	-	-
G	80113	HHCS 1/2-13 X 3/4	4	-	-

* Lube seal with grease when replacing

GEARCASE For SM and SW Series

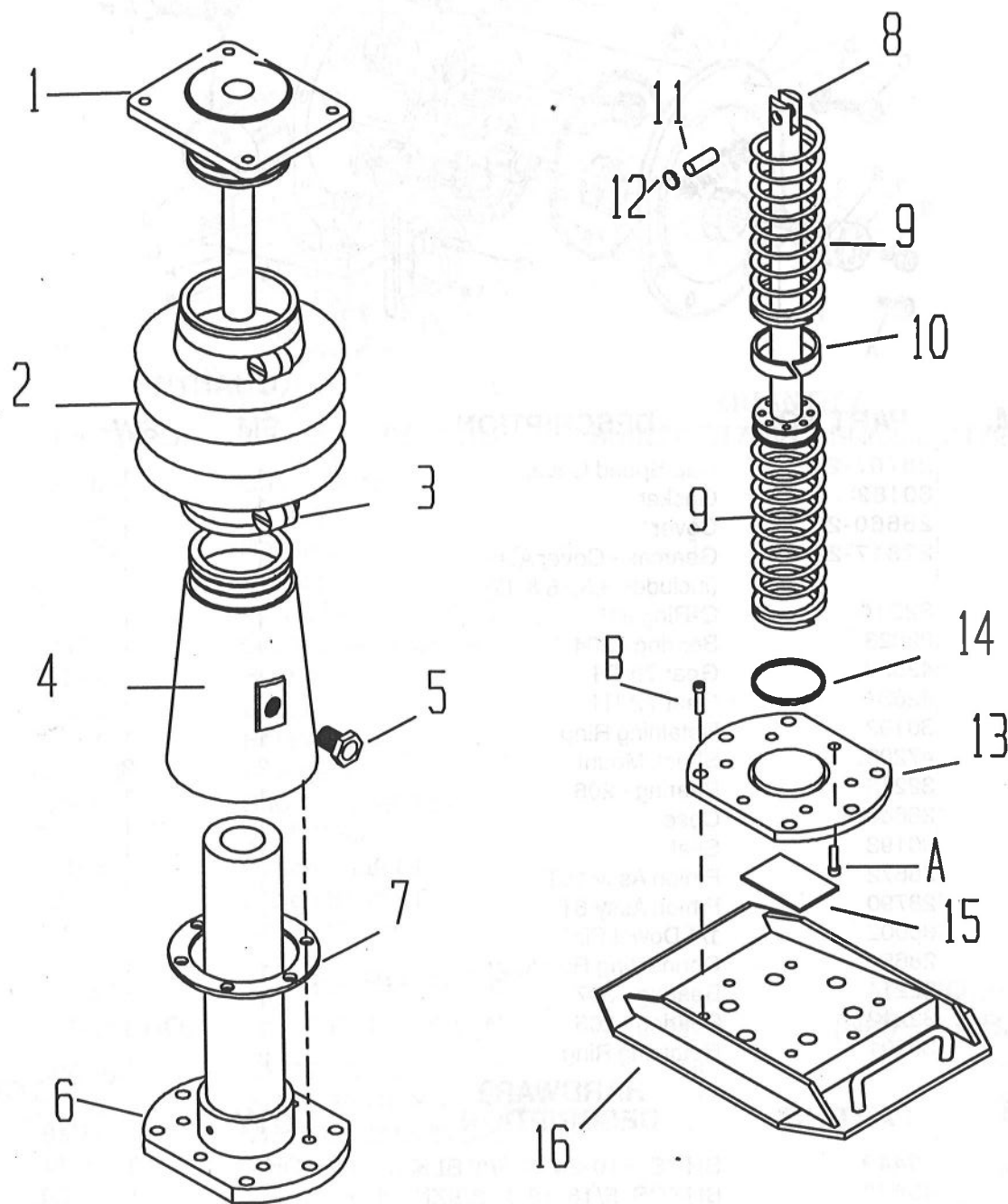


ITEM	PART NO.	DESCRIPTION	QUANTITY	
			SM	SW
1	28707-2	Cap Speed Cover	1	1
2	30189	Gasket	1	1
3	28660-2	Cover	1	1
3A	22817-2	Gearcase Cover Assy (includes 3,5,16 & 17)	1	1
4	32216	O-Ring 81D	1	1
5	32023	Bearing - 204	1	1
6	42638	Gear 70 TH	1	-
	42637	Gear 72 TH	-	1
7	30192	Retaining Ring	1	1
8	47203	Shock Mount	2	2
9	32213	Bearing - 206	1	1
10	28686-2	Case	1	1
*11	30193	Seal	1	1
12	28672	Pinion Assy 10T	1	-
	28790	Pinion Assy 8T	-	1
13	80002	1/4 Dowel Pin	3	3
14	28658	Connecting Rod Assy	1	1
15	32214	Bearing - 307	1	1
16	32212	Bearing - 205	1	1
17	30191	Retaining Ring	2	2

ITEM	PART NO.	HARDWARE DESCRIPTION	QTY	TORQUE	
				(Nm)	(LB.FT.)
A	80449	SHCS #10-24 X 5/8 BLK	3	3	11 8
B	80430	BHSCS 5/16-18 X 3/8ZN	1	1	20 14
C	80439	SHCS 5/16-18 X 1 BLK	8	8	29 21
D	80086	WSHRL 5/16 MED SPLIT ZN	8	8	- -
E	80438	SHCS 3/8-16 X 2BLK	4	4	42 30
F	80058	WSHRL 3/8 MED SPLIT ZN	8	8	- -
G	80427	SHCS 3/8-16 X 1-1/2 BLK	4	-	42 30
	80438	SHCS 3/8-16 X 2 BLK	-	4	- -
H	80056	NUTNY 3/8-16	-	4	- -

* Lube seal with grease when replacing

LOWER UNIT for SN Series



LOWER UNIT PARTS LIST

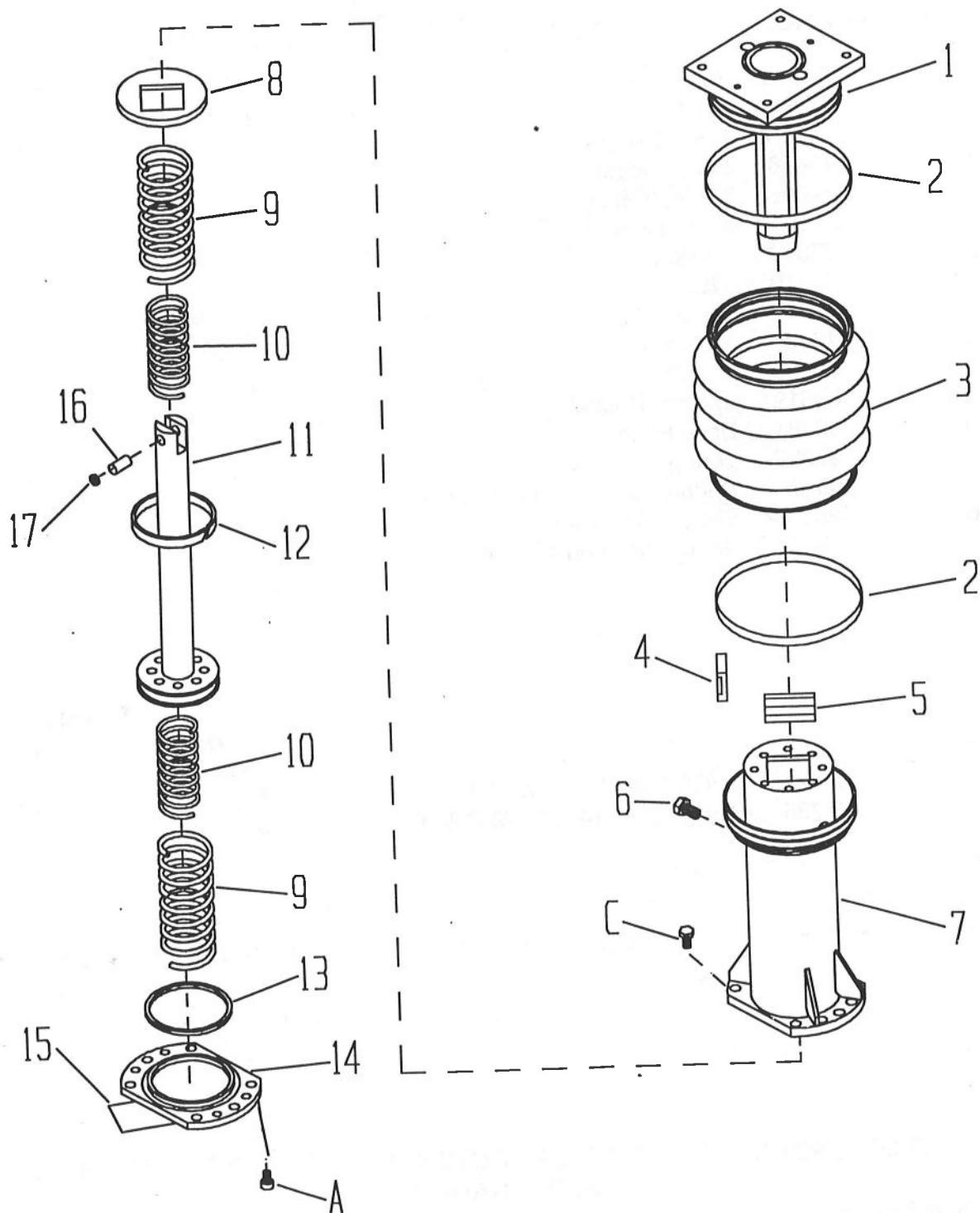
ITEM	PART NO.	DESCRIPTION	QUANTITY
1	42441-2	Top Guide	1
2	47360	Boot	1
3	44206	Boot Clamp	2
4	42458	Outer Cover	1
5	34096	Oil Sight Plug	1
6	42434-2	Spring Housing	1
7	47316	Gasket	1
8	42419	Piston	1
9	42457	Springs	2
10	42429	Piston Ring	1
11	80733	Rod Pin	1
12	80519	Internal Retaining Ring	1
13	42481	Base Plate	1
14	32252	O-ring	1
15	55026	Spring Housing Safety Decal	1
16	42515-2	Shoe 10in x 12in	1
**	22826	Shoe Extension 4"inx 10in	

				Torque
			(Nm)	(lb.ft.)
A	80427	SHCS 3/8-16 X 1-1/2 BLK	6	42
B	80735	SHCS 7-16-14 X 1-1/2 GR8 BLK	6	66
				30
				47

* **USE OF A SOCKET WRENCH IS RECOMMENDED TO AVOID DAMAGE TO THE SIGHT GAUGE.**

** **Not Shown**

LOWER UNIT for ST Series

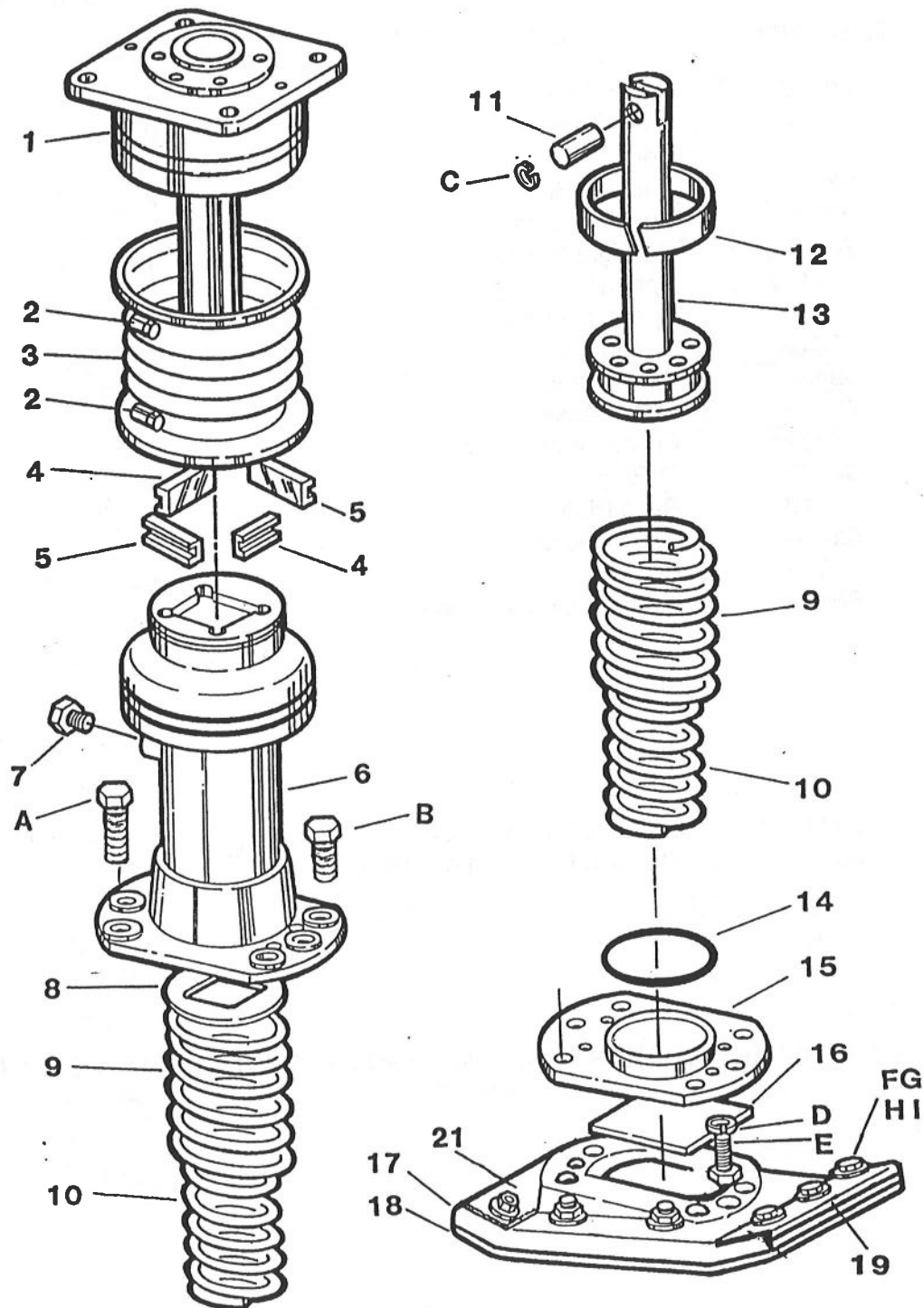


LOWER UNIT PARTS LIST

ITEM	PART NO.	DESCRIPTION	QUANTITY	
			ST728C	ST728R
1	42926	Guide Tube	1	1
2	44106	Boot Clamp	2	2
3	47361	Boot	1	1
4	27938	Bushing Short	2	2
5	27939	Bushing Long	2	2
6	34096	Oil Sight Gauge	1	1
7	42928-2	Spring Housing	1	1
8	42318	Spring Spacer	1	1
9	42619	Spring Outer	2	2
10	42620	Spring Inner	2	2
11	42923	Piston Assy	1	1
12	27521	Piston Ring	1	1
13	32033	O-Ring	1	1
14	24310	Base Plate	1	1
15	55026	Safety Decal	1	1
16	80423	Rod Pin	1	1
17	80519	Internal Retainer Ring	1	1
A	80047	SHCS 3/8-16 X 1 BLK	4	4
C	80081	SHCS 7/16-14 X 1-1/4 BLK	6	6

* USE OF A SOCKET WRENCH IS RECOMMENDED TO AVOID DAMAGE TO THE SIGHT GAUGE.

LOWER UNIT for SM Series



LOWER UNIT PARTS LIST

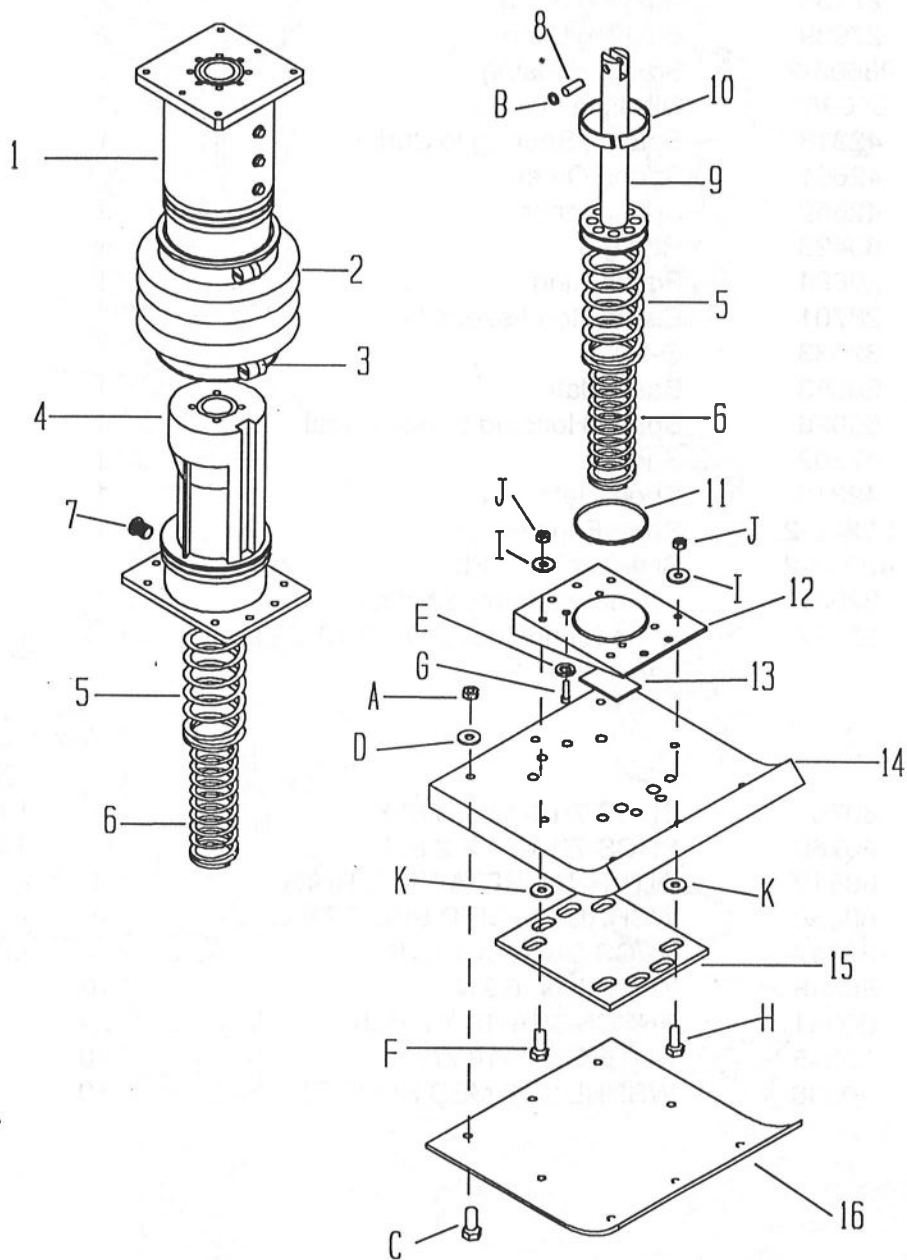
ITEM	PART NO.	DESCRIPTION	QUANTITY SM832R
1	28687	Guide Tube	1
2	44106	Boot Clamp	2
3	47361	Boot	1
4	27938	Bushing Short	2
5	27939	Bushing Long	2
6	28695-2	Spring Housing	1
7	34096*	Oil Sight Gauge	1
8	42318	Spacer, Bearing to Spring	1
9	42661	Spring Outer	2
10	42662	Spring Inner	2
11	80423	Rod Pin	1
12	28694	Piston Ring	1
13	28701	Piston Rod Assembly	1
14	32033	O-Ring	1
15	28653	Base Plate	1
16	55026	Spring Housing Safety Decal	1
17	47302	Shoe	1
18	42316	Shoe Plate	1
19	29215-2	Shoe Edge Guard	1
21	42353-2	Stiffener Rear Shoe	1
**	22587	Lower Assembly SM832R	1
**	22757	Shoe Kit (includes 17,18,19, 21 and hardware)	

			TORQUE	
			Nm	ft.lb.
A	80761	SHCS 7/16-14 X 3 BLK	3 14	10
B	80760	SHCS 7/16-14 X 2 BLK	3 14	10
C	80519	INTERNAL RETAINING RING	1 -	-
D	80058	WSHRL 3/8 MED SPLIT ZN	4 -	-
E	80047	SHCS 3/8-16 X 1 BLK	4 56	40
F	80348	WSHRL 5/16 ZN	10 -	-
G	80281	FHSCS 5/16-18 X 2 BLK	10 -	-
H	80245	NUTFX 5/16-18 ZN	10 14	10
I	80086	WSHRL 5/16 MED SPLIT ZN	10 -	-

* USE OF A SOCKET WRENCH IS RECOMMENDED TO AVOID DAMAGE TO THE SIGHT GAUGE.

** Not Shown

LOWER UNIT for SW Series



LOWER UNIT PARTS LIST

ITEM	PART NO.	DESCRIPTION	QUANTITY
			SW945R
1	29081-2	Guide Tube	1
2	47362	Boot	1
3	44106	Boot Clamp	2
4	42601-2	Spring Housing Assy	1
5	42487	Sprint - Outer	2
6	42488	Spring - Inner	2
7	34096	Oil Sight Gauge	1
8	80423	Rod Pin	1
9	42600	Piston Weld	1
10	28694	Piston Ring	1
11	32033	O-Ring	1
12	28722	Base Plate	1
13	55026	Spring Housing Safety Decal	1
14	28735	Wood Shoe	1
15	42639-2	Shoe Backing Plate	1
16	28736-2	Shoe Plate	1

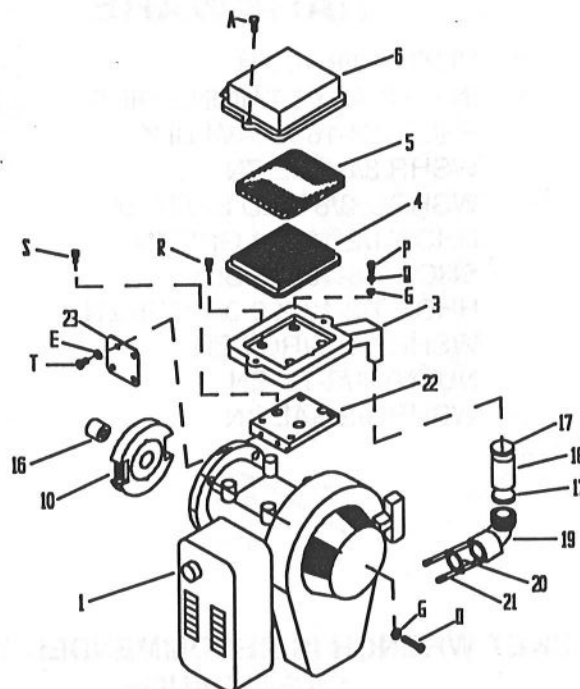
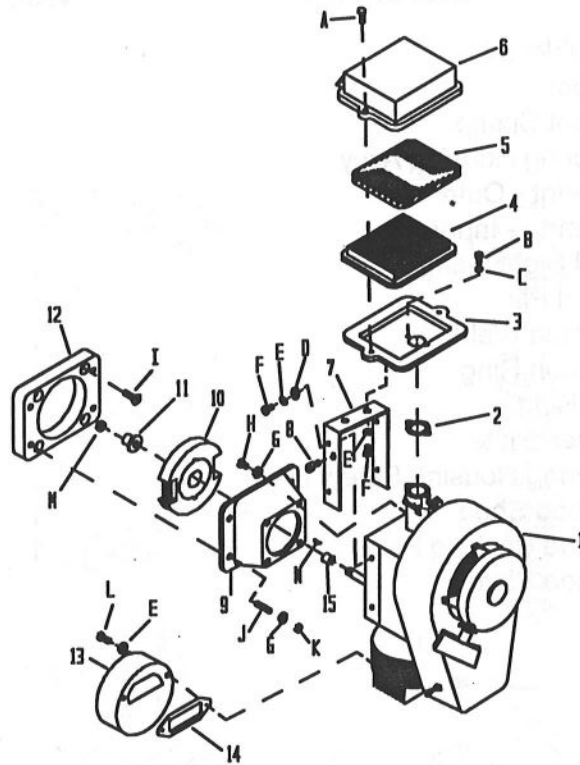
HARDWARE

				TORQUE	
				Nm	ft.lb.
A	80056	NUTNY 3/8-16 ZN	6	32	23
B	80519	INTERNAL RETAINING RING	6	-	-
C	80215	FHCS 3/8-16 X 2-3/4 BLK	1	-	-
D	80342	WSHR 3/8 SAE ZN	4	-	-
E	80058	WSHRL 3/8 MED SPLIT ZN	4	56	40
F	80197	HHCS 1/2-13 X 4 GR8 ZN	10	-	-
G	80047	SHCS 3/8-16 X 1 BLK	10	-	-
H	80405	HHCS 1/2-13 X 2-3/4 GR5 ZN	10	14	10
I	80118	WSHR 1/2 WROT ZN	10	-	-
J	80739	NUTNY 1/2-13 ZN	3	-	-
K	80343	WSHR 1/2 SAE ZN	3	-	-

* USE OF A SOCKET WRENCH IS RECOMMENDED TO AVOID DAMAGE TO THE SIGHT GAUGE.

** Not Shown

ENGINE for SN Series



ENGINE PARTS LIST for SN Series

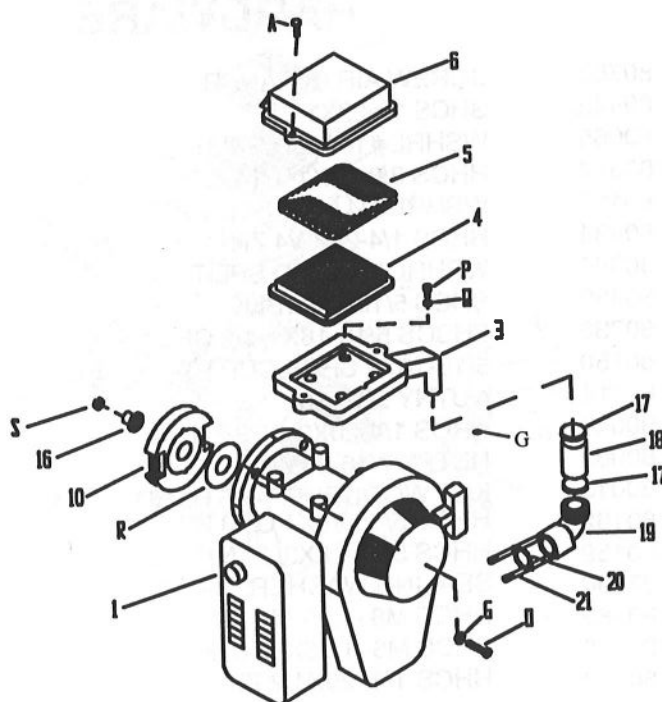
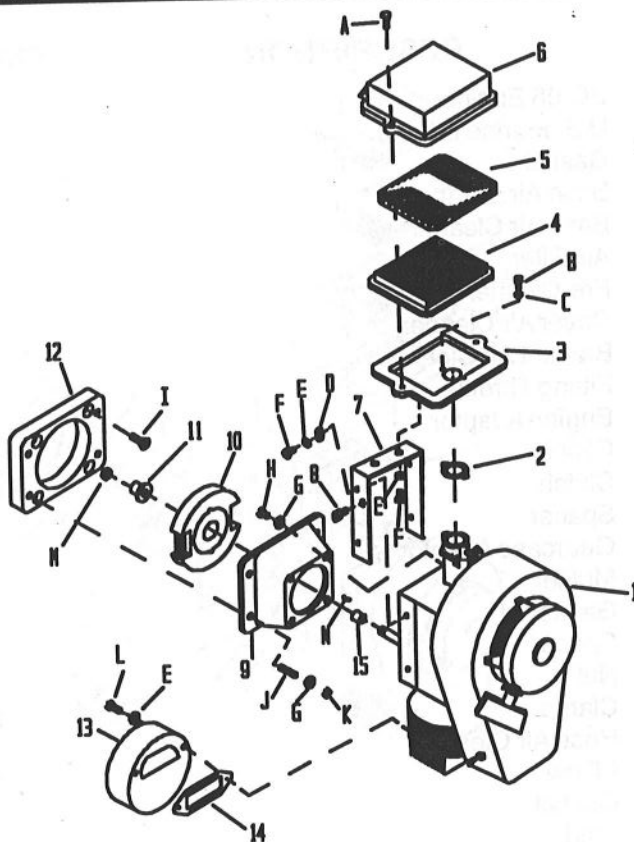
ITEM	PART NO.	DESCRIPTION	QUANTITY	
			SN622R	SN622C
1	30298	EC-08 Engine	1	-
	30030	U.S. Marine Engine	-	1
2	35227	Gasket	-	1
3	42861	Base Air Cleaner	-	1
	42981	Base Air Cleaner	1	-
4	47356	Air Filter	1	1
5	47358	Pre-Cleaner	1	1
6	47357	Cover Air Cleaner	1	1
7	42977-2	Bracket Air Cleaner	-	1
8	47352	Fitting Throttle	-	1
9	42586	Engine Adaptor	-	1
10	30031	Clutch	-	1
	30308	Clutch	1	-
11	24305	Spacer	-	1
12	42584	Gearcase Adaptor	-	1
13	39041	Muffler	-	1
14	34095	Gasket	-	1
15	24306	Spacer	-	1
16	42640	Nut	1	-
17	39063	Clamp	2	-
18	46643	Hose Air Cleaner	1	-
19	42979	Elbow	1	-
20	47359	Gasket	1	-
21	42896	Stud	2	-
22	42995	Adaptor Block	1	-
23	42996-2	Plate Muffler	1	-

HARDWARE

					TORQUE	
					(Nm)	(Lb)
A	80752	SCREW AIR CLEANER	2	2	-	
B	80442	SHCS 10-32X1/2	-	2	-	
C	80065	WSHRL #10 MED SPLIT	-	2	-	
D	80347	HHCS 3/8-16X1-1/14 ZN	-	4	14	1
E	80116	WSHRL 1/4 MED SPLIT ZN	2	8	-	
F	80434	HHCS 1/4-20X3/4 ZN	-	6	24	2
G	80086	WSHRL 5/16MED SPLIT	8	8	24	2
H	80439	SHCS 5/16-18X1BLK	-	4	-	
I	80736	FHSCS 5/16-18X1-1/2 GR5	-	4	-	
J	80750	5/16-18X2 SHSS CUP PT	-	4	14	1
K	80114	NUTNY 5/16-18	-	4	-	
L	80044	HHCS 1/4-20X2 GR8 ZN	-	2	-	
M	80062	NUTFX 7/16-20 ZN	-	1	-	
N	80015	KEY WOODRUFF 405 HARD	-	1	24	2
O	80162	HHCS 5/16-18X1 GR8 ZN	4	-	-	
P	80159	HHCS 5/16-18X3/4 ZN	3	-	-	
Q	37696	SEALING WASHER	4	-	-	
R	80762	HHCS M8 -1.25X40 ZN	1	-	-	
S	80763	SHCS M8 -1.25X20 BLK	3	-	-	
T	80722	HHCS 1/4 -20X1/2 ZN	2	-	-	

ENGINE for ST Series

Start Toggle Switch
39003



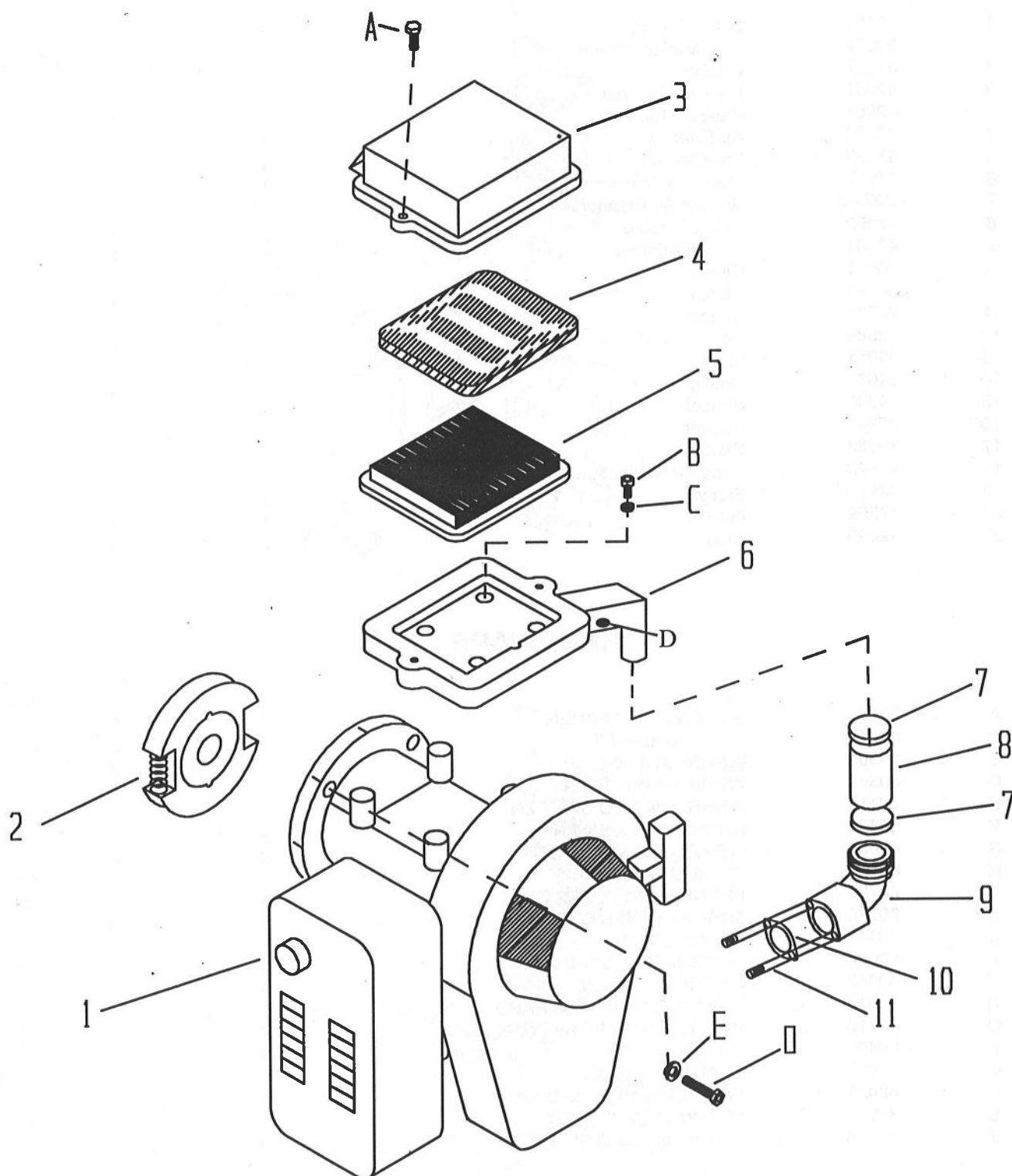
ENGINE PARTS LIST for ST Series

ITEM	PART NO.	DESCRIPTION	QUANTITY	
			ST728R	ST728C
1	30150	EC10 Engine	1	-
	30030	U.S. Marine Engine	-	1
2	35227	Gasket	-	1
3	42861	Base Air Cleaner	-	1
	42981	Base Air Cleaner	1	1
4	47356	Air Filter	1	1
5	47358	Pre-Cleaner	1	1
6	47357	Cover Air Cleaner	1	1
7	42977-2	Bracket Air Cleaner	-	1
8	47352	Fitting Throttle	1	1
9	42586	Engine Adaptor	-	1
10	30031	Clutch	-	1
	30092	Clutch	1	1
11	24305	Spacer	-	1
12	42584	Gearcase Adaptor	-	1
13	39041	Muffler	-	1
14	34095	Gasket	-	1
15	24306	Spacer	-	1
16	27242	Spacer	1	-
17	39063	Clamp	2	-
18	46643	Hose Air Cleaner	1	-
19	42979	Elbow	1	-
20	47359	Gasket	1	-
21	42896	Stud	2	-

HARDWARE

					TORQUE	
					Nm	ft.lb.
A	80752	SCREW AIR CLEANER	2	2	-	-
B	80442	SHCS 10-32 X 5/8	-	2	-	-
C	80065	WSHRL #10 MED SPLIT	-	2	-	-
D	80347	WSHR 1/4 WROT ZN	-	4	-	-
E	80116	WSHRL 1/4 MED SPLIT ZN	-	8	-	-
F	80434	HHCS 1/4-20 X 3/4 ZN	-	6	14	10
G	80086	WSHRL 5/16 MED SPLIT	4	8	-	-
H	80439	SHCS 5/16-18 X 1 BLK	-	4	29	21
I	80736	FHSCS 5/16-18X1-1/2 GR5	-	4	29	21
J	80750	5/16-18X2 SHSS CUP PT	-	4	-	-
K	80114	NUTNY 5/16-18	-	4	-	-
L	80044	HHCS 1/4-20X2 GR8	-	2	14	10
M	80062	NUTFX 7/16-20 ZN	-	1	-	-
N	80015	KEY WOODRUFF 405 HARD	-	1	-	-
O	80716	HHCS 5/16-18X1 GR8 ZN	4	-	29	21
P	80406	M8-1.25X20 ZN	4	-	-	-
Q	37695	SEALING WASHER	4	-	-	-
R	80426	WASHER 9/16 TYPE B NAR ZN	1	-	-	-
S	35060	LOCKNUT (M12X1.25)	1	-	-	-
T	80058	WSHRL 3/8 MED SPLIT ZN	4	-	-	-

ENGINE for SM and SW Series



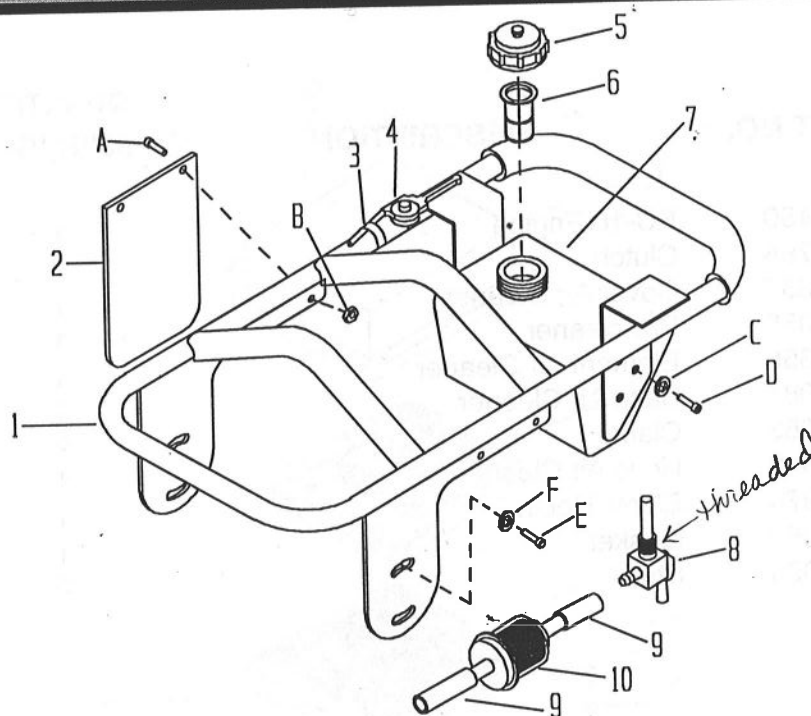
ENGINE PARTS LIST for SM and SW Series

ITEM	PART NO.	DESCRIPTION	QUANTITY	
			SM832R, SW945R	
1	30150	EC-10 Engine	1	
2	28794	Clutch	1	
3	47357	Cover Air Cleaner	1	
4	47358	Pre-cleaner	1	
5	47356	Element Air Cleaner	1	
6	42981	Base Air Cleaner	1	
7	39063	Clamp	2	
8	46643	Hose Air Cleaner	1	
9	42979	Elbow Robin	1	
10	47359	Gasket	1	
11	42896	Stud	2	

HARDWARE

			Torque	
			(Nm)	(lb.ft)
A	80752	SCREW AIR CLEANER	2	-
B	80406	M8-1.25 X 30 ZN	4	-
C	80086	WSHRL 5/16 MED SPLIT	4	-
D	37695	SEALING WASHER	4	-
E	80716	HHCS 3/8-16X1-1/14 ZN	4	28 20
F	80058	WSHRL 3/8 MED SPLIT	4	-

HANDLE AND FUEL TANK



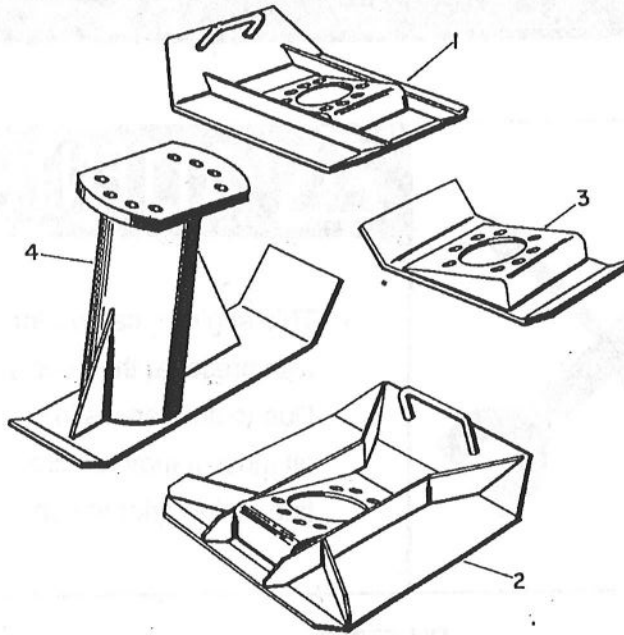
ITEM	PART NO.	DESCRIPTION	SN622R	SN622C	ST728R	ST728C	SM832R	SW945R
1	22889-2	Handle	-	-	-	-	1	1
	42941-2	Handle	1	1	-	1	-	-
	42971-2	Handle	-	-	1	-	1	1
2	42973-2	Guard Side	1	1	1	1	1	1
3	34091	Cable Clamp	1	1	1	1	1	1
4	22901	Throttle Kit	1	-	1	-	1	1
	22902	Throttle Kit	-	1	-	1	-	-
	39050	Throttle Cable	-	-	1	-	1	1
	39051	Throttle Cable	-	1	-	1	-	-
	39052	Throttle Cable	1	-	-	-	-	1
5	35701	Gas Cap	1	1	1	1	1	1
6	47219	Strainer	1	1	1	1	1	1
7	47363	Gas Tank	1	1	1	1	1	1
8	39056	Pet Cock	1	1	1	1	1	1
9	28799	Gas Line	2	2	2	2	2	2
10	35486	Gas Filter	1	1	1	1	1	1

HARDWARE

A	80353	HHCS 1/4-20 X .75	2	2	2	-	2	2
B	80676	NUTNY 1/4-20	2	2	2	-	2	2
C	80086	WSHRL 5/16 MED SPLIT ZN	6	6	6	6	6	6
D	80159	HHCS 5/16-18 X 3/4 ZN	6	6	6	6	6	6
E	80047	HHCS 1/2-13 X 1 ZN	4	4	4	4	-	-
F	80174	HHCS 3/8-16 X 1 ZN	-	-	-	-	4	4
	80058	WSHRL 3/8 MED SPLIT ZN	-	-	-	-	4	4
	80117	WSHRL 1/2 MED SPLIT ZN	4	4	4	4	-	-

REVISION:

SHOES for ST Series



ITEM	PART NO.	DESCRIPTION
1	22350	Kit Shoe 11" Wide
2	22351	Kit Shoe Optional Shoe 15" Wide
3	22352	Kit Shoe Optional 5" Wide
4	22759	Kit Shoe Optional Extension 4" Wide
*5	22791	Kit Shoe Optional 4" Wide

* NOT SHOWN

MACHINE SOUND LEVEL TEST

Machine Type:
Sound Level Meter Calibration Date:
Meter Type:
Test Date:

Stomper Compactor
December 9, 1994
Simpson Model 886-2 Type 2
December 9, 1994

Test Conditions:

Temperature:	25 degrees Fahrenheit/-5 degrees Celsius
Ambient Sound:	55 dba fast mode
Soil Condition:	Sand and grit
Moisture Limit:	Approximately equal to 50 percent
Engine Speed:	5000 rpm/83 hz
Frequency:	700 rpm/11.7 hz
Test Site:	Honeoye, New York USA
Sound Level at Operator Position:	98 dba