



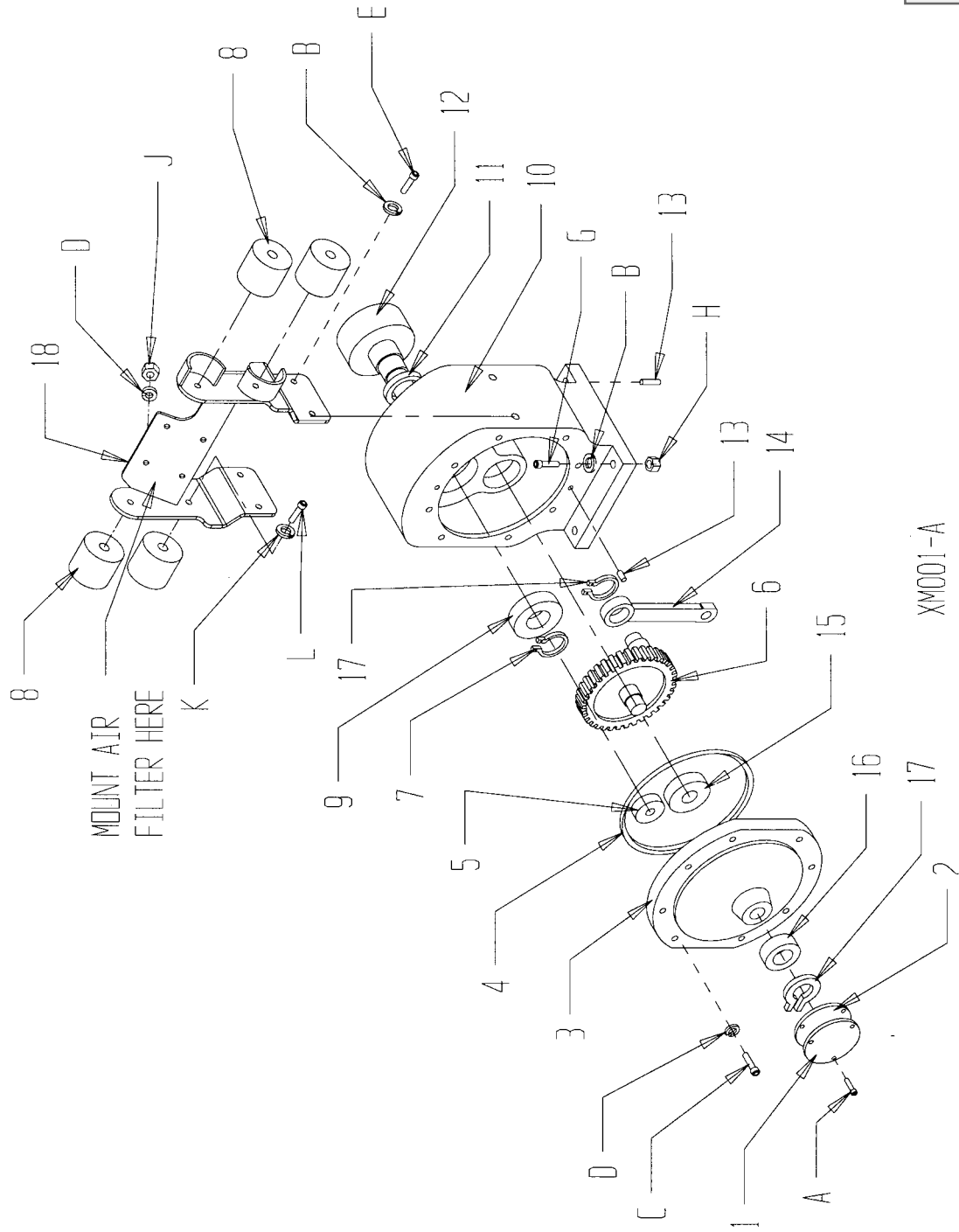
OPERATOR/SERVICE MANUAL

**MODEL: XN650R, XN650ROI, XT728R,
XT728ROI, XM832R, XM832ROI,
XW945R, XW945ROI, XJ834HG,
XD836Y**



**STOMPER® - 2 Cycle Oil Injected and Pre-Mix,
4 Cycle and Diesel**

8.5 Gearcase - XM/XW Oil Injected and Pre-Mix



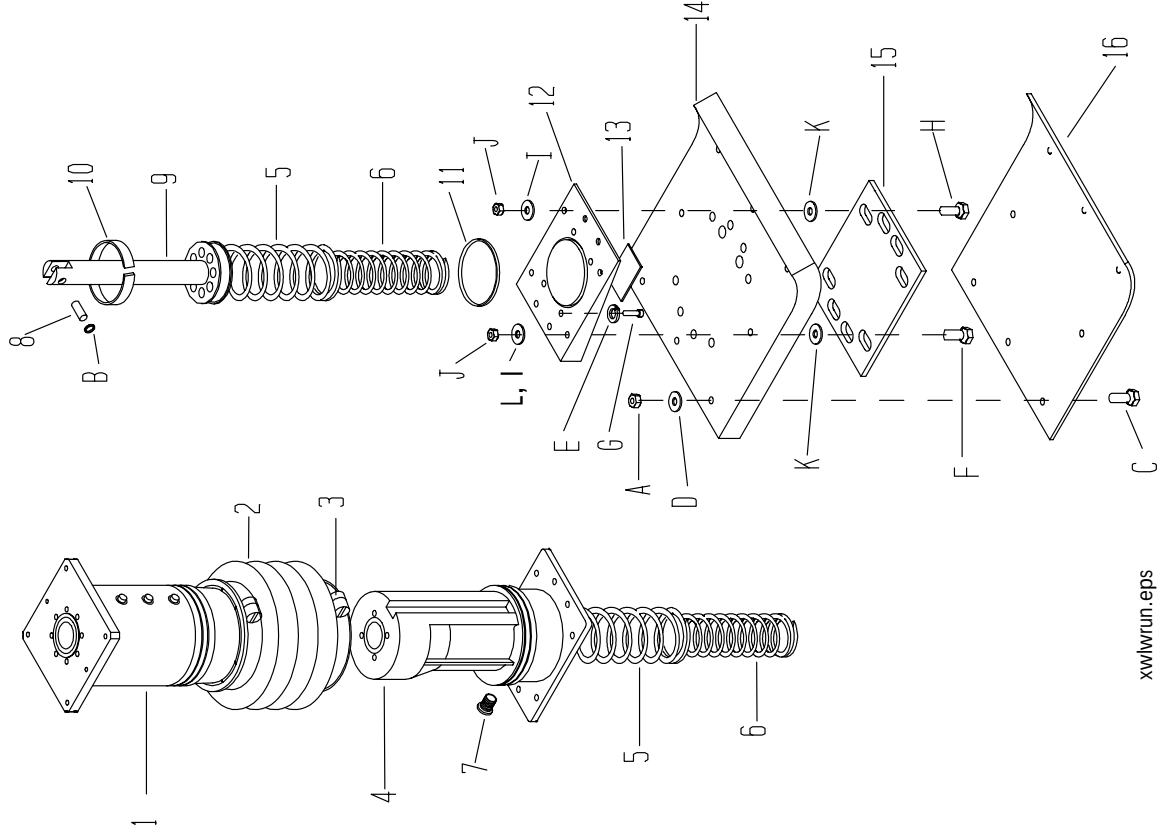
XM001-A

8.5 Gearcase - XM/XW Oil Injected Pre-Mix

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.	DIN
1	65029-2	Cap Speed Cover	1	A*	80821	SHCS M5 .8 x 16mm 8.8 ZN	3	912
2	30189	Gasket	1	B	80804	WSHRL M10 Split ZN XM	8	127B
3**	22991	Gearcase Cover Assy	1			WSHRL M10 Split ZN XW	8	127B
4	32216	O-Ring 81D	1	C*	80810	SHCS M8 1.25 x 20mm 8.8 ZN	8	912
5	32023	Bearing - 204	1	D	80812	WSHRL M8 Split ZN	12	127B
6	42638	Gear 70 TH XM	1	E*	80803	SHCS M10 1.5 x 25mm 8.8 ZN	4	912
	42637	Gear 72 TH XW	1	G*	80801	SHCS M10 1.5 x 35mm 12.9 BLK XM	4	912
7	30192	Retaining Ring	1	*	80834	SHCS M10 1.5 x 60mm 12.9 BLK XW	4	912
8	65004	Shock Mount	4	H	80833	NUTNY M10 1.5 ZN SW	4	985
9	32213	Bearing - 206	1	J	80817	NUTNY M8 - 1.25	4	985
10	65023-2	Case Machined	1	K	80805	WSHRL M12 Split ZN	4	127B
11#	30193	Seal	1	L	80808	HHCS M12 - 1.75 x 20mm 8.8 ZN	4	933
12	28672	Pinion Assy 10T XM	1					
	28790	Pinion Assy 8T XW	1					
13	80002	1/4 Dowel Pin	3					
14	28658	Connecting Rod Assy	1					
15	32214	Bearing - 307	1					
16	32212	Bearing - 205	1					
17	30191	Retaining Ring	2					
18	44233-2	Weld Handle Bracket	1					

REMARK: # Lube seal with grease when replacing
 ** Gearcase Kit PN 23021 includes 1,3,5,16 & 17
 * Loctite Required

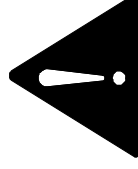
8.11 Lower Unit for XW Oil Injected and Pre-Mix



xwlvrun.eps

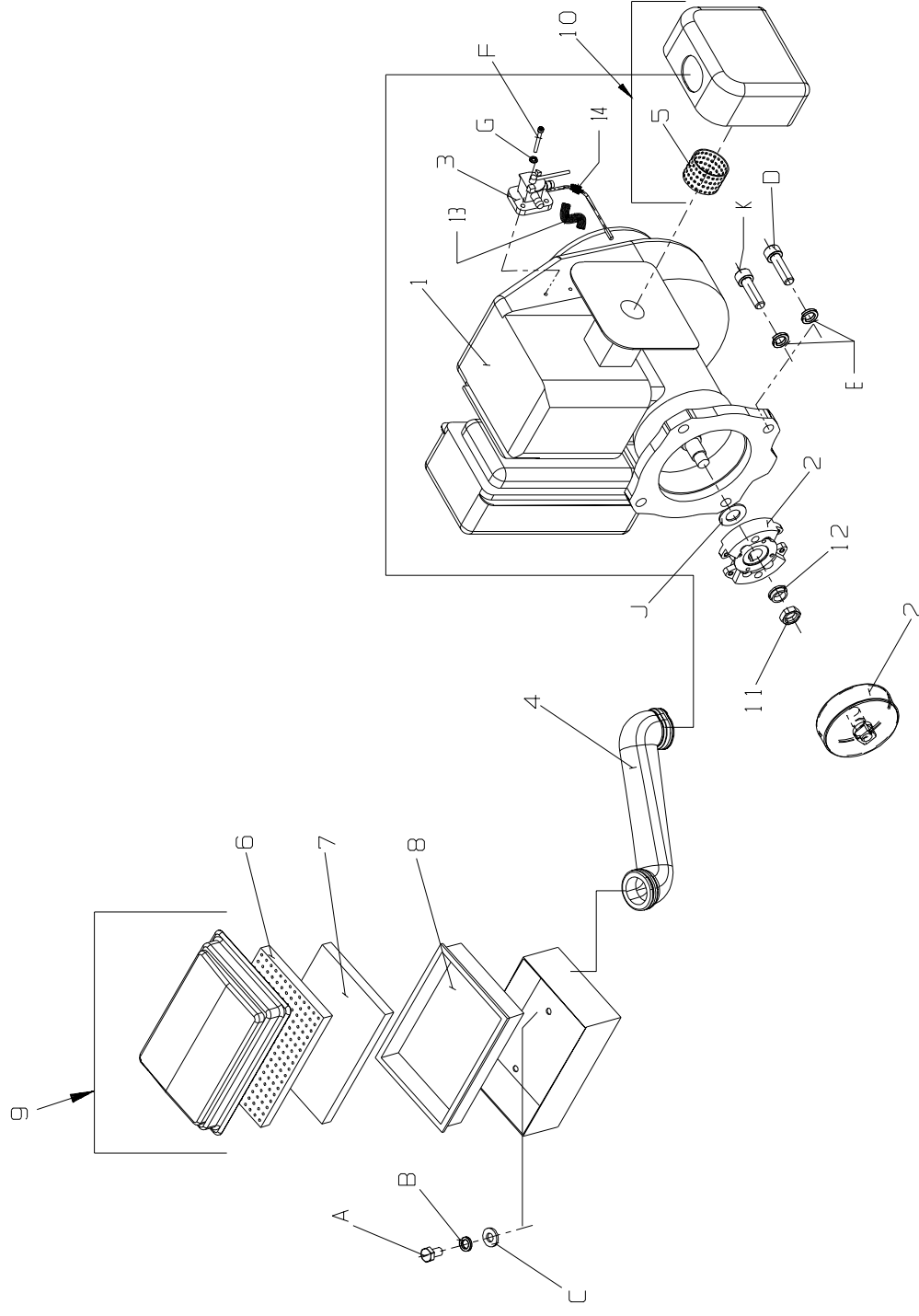
8.11 Lower Unit for XW Oil Injected and Pre-Mix

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.	DIN
1	65039-2	Guide Tube	1	A	80833	NUTNY M10 - 1.5 ZN	8	985
2	47362	Boot	1	B	80519	Internal Retaining Ring	1	-
3	44106	Boot Clamp	2	C*	80832	FHCS M10 - 1.5 x 70mm 10.9 ZN	8	7991
4	65034-2	Spring Housing Assy	1	D	80806	WSHR M10 x 21 OD ZN	8	125A
5	42487	Spring - Outer	2	E	80804	WSHRL M10 Split ZN	4	127B
6	42488	Spring - Inner	2	F*	80829	HHCS M12 - 1.75 x 100mm 8.8ZN	4	931
7#	34096	Oil Sight Gauge	1	G*	80803	SHCS M10 1.5 x 25mm 8.8ZN	4	912
8	80423	Rod Pin	1	H*	80831	HHCS M12 - 1.75 x 70mm 8.8 ZN	4	931
9	42600	Piston Weld	1	I	80805	WSHR M12 Split ZN	8	127B
10	28694	Piston Ring	1	J	80830	NUTNY M12 - 1.75 ZN	8	925
11	32033	O-Ring	1	K	80835	WSHR M12 x 37 OD ZN	8	9021B
12	65036-2	Base Plate	1	L	80807	WSHR M12 x 24 OD ZN	3	125A
13	55023	Spring Housing Safety Decal	1					
14	65037-2	Wood Shoe	1					
15	42639-2	Shoe Backing Plate	1					
16	65038-2	Shoe Plate	1					



The spring retaining Base Plate retains heavy springs under compression. Follow the instructions (Base Plate Removal located on Page 48 of this manual) carefully or severe personal injury may occur.

8.13 Engine - XN, XT, XM & XW Oil Injected and Pre-Mix



XN002-B

8.13 Engine - XN, XT, XM & XW Oil Injected and Pre-Mix

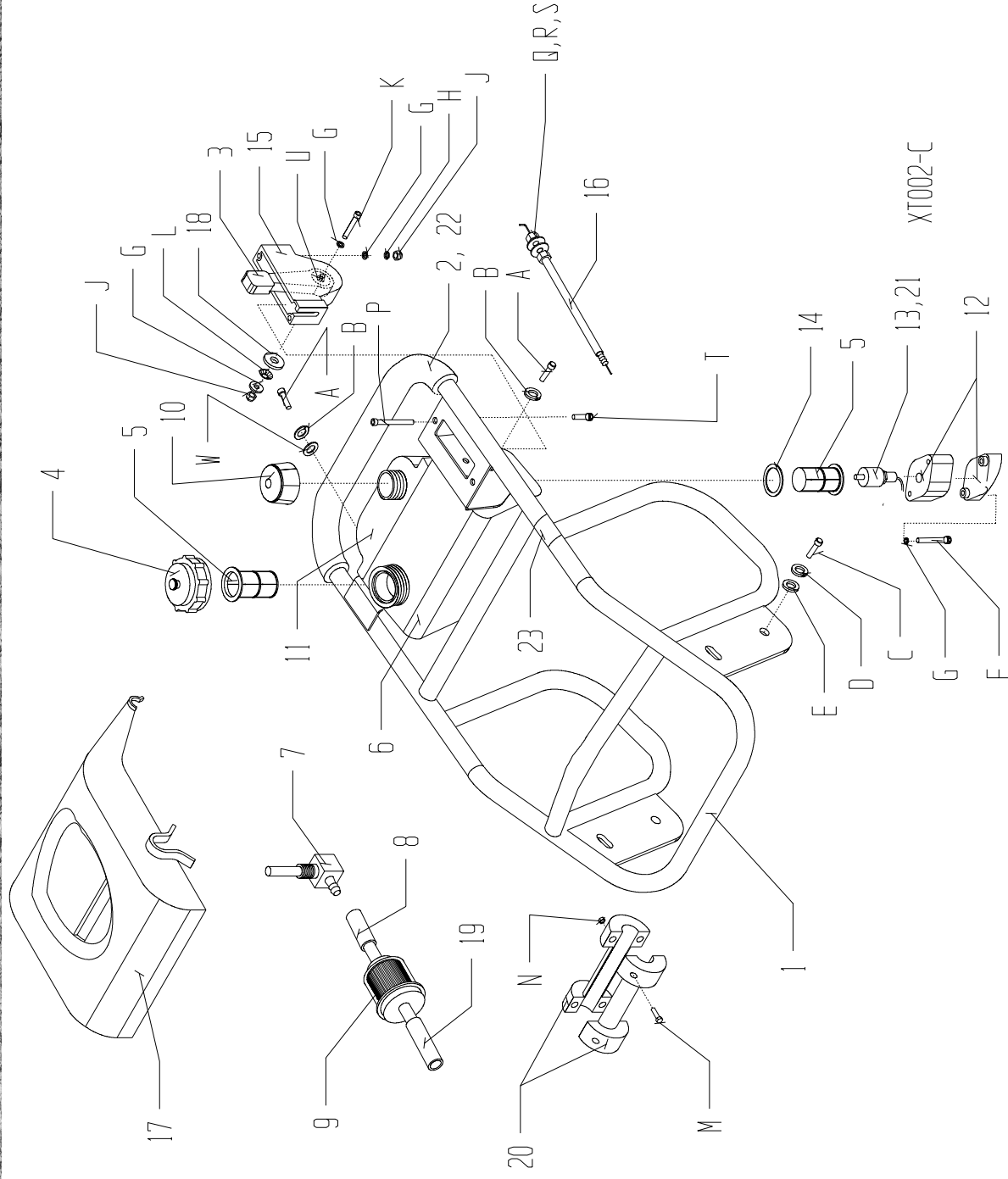
Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.	DIN
1**	23208	Kit EC12 O/I Engine XN	1	A*	80406	HHCS M8 - 1.25 x 20mm 8.8 ZN	4	933
	23209	Kit EC12 O/I Engine XT	1	B	80812	WSHRL M8 Split ZN	4	127B
	23210	Kit EC12 Pre-Mix Engine XN	1	C	80813	WSHR M8 Flat 24 OD ZN	4	9021B
	23211	Kit EC12 Pre-Mix Engine XT	1	D*	80815	HHCS M10 - 1.5 x 30mm 8.8 ZN	4	912
	23212	Kit EC12 O/I Engine XM, XW	1	E	80820	WSHRL M10 Split ZN High Collar (XT)	4	7980
	23213	Kit EC12 Pre-Mix Engine XM, XW	1		80820	WSHRL M10 Split ZN High Collar (XM)	6	7980
2	30356	Clutch Robin Honda (XM, XW, XJ)	1	F	80898	PPHST M4.2 x 16 Type C ZN	2	7981
	30308	Clutch (XN & XT)	1	G	80929	WSHRL M4 Split ZN	2	127B
3	23148	Kit Valve/Kill Switch	1	J	80426	WSHR 9/16 Type B ZN	1	-
4	39396	Hose Air Filter (XN)	1	K	80872	SHCS M10-1.5 x 30 8.8 ZN (XM)	2	912
	39397	Hose Air Filter (XT, XM, & XW)	1					
5	35995	Filter/Precleaner Lower EC10/EC12	1					
6	39329	Air Filter Coarse 1st Stage	1					
7	39330	Air Filter Fine 1st Stage	1					
8	39332	Frame Air Filter 1st Stage	1					
9	23144	Air Filter Assy 1st Stage	1					
10	23142	Air Filter Assy Primary	1					
11	35060	Nut M12 - 1.25 (XN & XT)	1					
12	27242	Spacer (XN & XT)	1					
13	39489	Fuel Line 3/16 ID x 2 3/4	1					
14	39502	Clamp Cable .083	1					
15	39478	Fuel Line 3/16 ID x 23" LG	1					

REMARK:

* Loctite Required

** Kit to include all parts shown fully assembled.

8.17 Handle and Fuel tank - XT/XM/XW Oil Injected and Pre-Mix



8.17 Handle and Fuel Tank - XT/XM/XW Oil Injected and Pre-Mix

Item	Part No.	Description	Qty.	Item	Part No.	Description	Qty.	DIN
1	44215-2	Handle Weld Assembly	1	A*	80894	SHCS M8 - 1.25 x 16mm 8.8 ZN (Oil Inj.)	10	912
2	39483	Handle Grip Cushion	1		80894	SHCS M8 - 1.25 x 16mm 8.8 ZN (Pre-Mix)	6	
3	39387	Throttle Lever	1	B	80812	WSHRL M8 Split ZN (Oil Inj.)	10	127B
4	35701	Cap Gas	1		80812	WSHRL M8 Split ZN (Pre-Mix)	4	
5	47219	Strainer (Oil Injected)	2	C*	80887	HHCS M12 - 1.75 x 25mm 8.8 ZN (XT)	4	933
	47219	Strainer (Pre-Mix)	1	D	80805	WSHRL M12 Split ZN (SM)	4	127B
6	39350	Tank Gas (Oil Injected)	1	E	80807	WSHR M12 x 24 OD ZN (ST)	4	125A
	65081	Tank Gas (Pre-Mix)	1	F	80912	SHCS M6 x 50 BLK BN2 (Oil Inj.)	4	-
7	23022	Tank Fitting	1	G	80856	WSHR M6 Flat 12 OD ZN (Oil Inj.)	6	125A
8	39488	Fuel Line 3/16 ID x 15" LG	1		80856	WSHR M6 Flat 12 OD ZN (Pre-Mix)	4	
9	35486	Filter Gas	1	H	80860	WSHRL M6 ZN	2	127B
10	39346	Cap Oil (Oil Injected)	1	J	80851	NUTNY M6 - 1.0	3	985
11	39349	Tank Oil (Oil Injected)	1	K	80947	HHCS M6 - 1 x 40 8.8 ZN	1	931
12	23065	Tank Guard Set (Oil Injected)	1	L	80939	WSHR Belleville 1/4 ID	1	-
13	39316	Sensor Oil (Oil Injected)	1	M	80821	SHCS M5 - .8 x 16 8.8 ZN (optional)	4	933
14	32314	Gasket, Oil Tank (Oil Injected)	1	N	80850	NUTNY M5 - .8 ZN (optional)	4	985
15	39386	Throttle HSG	1	P	80940	SHCS M6 - 1 x 60 8.8 ZN	2	-
16^ +	39485	Throttle Control	1	Q	80247	NUTEX 5/16 - 24 ZN	2	-
17	39426	Cover - Plastic	1	R	80086	WSHRL 5/16 Split ZN	1	-
18	39402	Washer Clutch	1	S	80495	WSHR 5/15 Plain ZN	1	-
19	39477	Fuel Line 3/16 ID x 6 1/4" LG	1	T	80586	HWHST 5/16 - 18 x .50 ZN	2	-
20	39407	Handle Wheel (optional)	2	U	80347	WSHR 1/4 WROT ZN	1	-
21	39476	O-Ring (Oil Injected)	1	V#	39509	Clamp 3/8	1	
22	42819	Tube Grip	1	W	80813	WSHR M8 Flat (Oil Inj.)	4	
23+	34091	Clamp Cable	1	X#	23427	Kit Cable Control	1	-
#	39150	Hose, Guard (Oil Injected)	1					
#	48413	Wiring Harness (Oil Injected)	1					
#	39308	Ferrule (Oil Injected)	2					

REMARK:

* Loctite Required
Not Shown

^Lubricate Throttle Wire
+ Included in P/N 23427

8:21 Decal Identification

◀ STOP
◀ IDLE

START
▶ RUN

55378
Diesel

IDLE
START
RUN

55379
Robin

OFF
ON

55322

AIR FILTER MAINTENANCE

Daily clean filter located on top and the side of the engine.

- Wash foam elements with detergent and water.
- Dry the elements by squeezing between towels.
- Relubricate with engine oil. Squeeze out excess oil and reinstall.

P/N 55337

⚠ CAUTION



Hearing protection required when operating this machine.



Read owners manual before operating or servicing this machine.

55326

OPERATING INSTRUCTIONS

Before starting, check oil level in oil tank. Fill with a quality grade two cycle oil.

With engine off, fill fuel tank with regular grade gasoline.

To start engine: Turn ignition/fuel switch to 'ON'; open air vent in fuel tank cap; close choke and pull starter rope.

To stop: Turn ignition/fuel switch to 'OFF' and close fuel cap vent.

See owners manual for additional instructions.

⚠ WARNING

After servicing or repairing unit, make sure oil line is full or engine failure will occur.

55345

821 Decal Identification

CAUTION

FUEL OIL
 • USE DIESEL FUEL.
 • CLEAN FILTER EVERY 500hrs.

LUBE OIL
 • SAE 10W30 GRADE CC
 • CHANGE LUBE OIL EVERY 100hrs.
 • CLEAN FILTER EVERY 100hrs.

STARTING
 • CHECK LUBE OIL LEVEL AND FUEL.
 • FOR EASY STARTING IN COLD WEATHER, ADD 2cc LUBE OIL TO ROCKER ARM COVER.
 • WARM UP WITHOUT LOAD.

STOPPING
 • CLOSE FUEL COCK AFTER STOPPING ENGINE.

PN 55325 - Diesel

HOW TO START

1) Open the fuel cock | 2) Put the Lever in the "START" position.

3) Pull the starting handle slowly.

4) Pull until you feel resistance. Then return it slowly.

5) Push the decompression lever down and release.

6) Pull the rope hard and fast.

If the engine doesn't start, try again from 3.

PN55324 - Diesel

CHECK OIL DAILY
 USE 30 WT. MOTOR OIL
 OIL LEVEL
 DO NOT OVERFILL

PN 55053

NOTICE
 CONTACT THE MANUFACTURER IMMEDIATELY AT 1-800-888-9926 IF SAFETY OR HAZARD DECALS OR OWNER'S MANUAL ARE MISSING FROM THIS EQUIPMENT. 55156

• Springs Under Compression
 • May Cause Injury
 • Consult Manual or Manufacturer Before Removing Plate.
 1-800-888-9926
 55026

ON

OFF

55377