PARTS MANUAL

MULTIQUIP®

Mikasa SERIES

MODEL MTX-80
MODEL MTX-90
TAMPING RAMMER
(ROBIN EH122D46530 GASOLINE ENGINE)

Revision #13 (03/29/22)

To find the latest revision of this publication or associated operation manual, visit our website at: www.multiquip.com

THIS MANUAL MUST ACCOMPANY THE EQUIPMENT AT ALL TIMES.

MTX-80/90
Tamping Rammer

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NOTICE

Specifications and part numbers are subject to change without notice.

NOTES

EXPLANATION OF CODE IN REMARKS COLUMN

The following section explains the different symbols and remarks used in the Parts section of this manual. Use the help numbers found on the back page of the manual if there are any questions.

> ***NOTICE***
>
> The contents and part numbers listed in the parts section are subject to change **without notice**. Multiquip does not guarantee the availability of the parts listed.

SAMPLE PARTS LIST

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	12345	BOLT	1	INCLUDES ITEMS W/%
2%		WASHER, 1/4 IN.		NOT SOLD SEPARATELY
2%	12347	WASHER, 3/8 IN.	1	MQ-45T ONLY
3	12348	HOSE	A/R	MAKE LOCALLY
4	12349	BEARING	1	S/N 2345B AND ABOVE

NO. Column

Unique Symbols — All items with same unique symbol (@, #, +, %, or >) in the number column belong to the same assembly or kit, which is indicated by a note in the "Remarks" column.

Duplicate Item Numbers — Duplicate numbers indicate multiple part numbers, which are in effect for the same general item, such as different size saw blade guards in use or a part that has been updated on newer versions of the same machine.

> ***NOTICE***
>
> When ordering a part that has more than one item number listed, check the remarks column for help in determining the proper part to order.

PART NO. Column

Numbers Used — Part numbers can be indicated by a number, a blank entry, or TBD.

TBD (To Be Determined) is generally used to show a part that has not been assigned a formal part number at the time of publication.

A blank entry generally indicates that the item is not sold separately or is not sold by Multiquip. Other entries will be clarified in the "Remarks" Column.

QTY. Column

Numbers Used — Item quantity can be indicated by a number, a blank entry, or A/R.

A/R (As Required) is generally used for hoses or other parts that are sold in bulk and cut to length.

A blank entry generally indicates that the item is not sold separately. Other entries will be clarified in the "Remarks" Column.

REMARKS Column

Some of the most common notes found in the "Remarks" Column are listed below. Other additional notes needed to describe the item can also be shown.

Assembly/Kit — All items on the parts list with the same unique symbol will be included when this item is purchased.

Indicated by:

"INCLUDES ITEMS W/(unique symbol)"

Serial Number Break — Used to list an effective serial number range where a particular part is used.

Indicated by:

"S/N XXXXX AND BELOW"
"S/N XXXX AND ABOVE"
"S/N XXXX TO S/N XXX"

Specific Model Number Use — Indicates that the part is used only with the specific model number or model number variant listed. It can also be used to show a part is NOT used on a specific model or model number variant.

Indicated by:

"XXXXX ONLY"
"NOT USED ON XXXX"

"Make/Obtain Locally" — Indicates that the part can be purchased at any hardware shop or made out of available items. Examples include battery cables, shims, and certain washers and nuts.

"Not Sold Separately" — Indicates that an item cannot be purchased as a separate item and is either part of an assembly/kit that can be purchased, or is not available for sale through Multiquip.

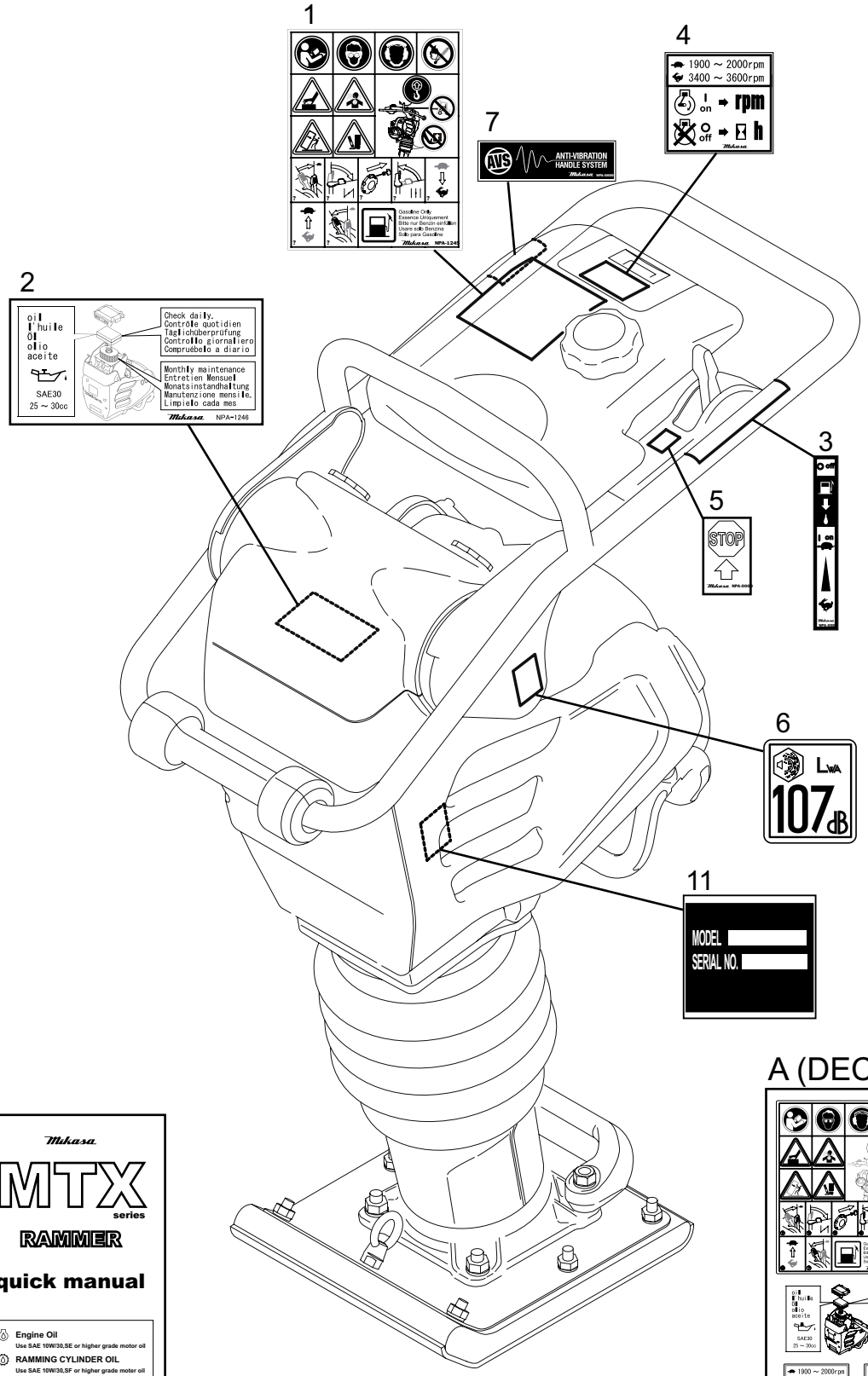
MTX-80/90 TAMPING RAMMER WITH ROBIN EH122D46530 GASOLINE ENGINE

1 to 3 units

Qty.	P/N	Description
1	956100063	THROTTLE WIRE
3	366010070	PRIMARY ELEMENT, AIR CLEANER
3	366010080	SECONDARY ELEMENT, AIR CLEANER
1	366900020	CAP, FUEL TANK W/ STRAP
2	26365012A3	FILTER, IN-LINE FUEL
3	0650140580	SPARK PLUG
1	959300770	STRAINER, FUEL TANK
1	2825011118	ROPE, RECOIL STARTER
1	2615010008	GRIP, RECOIL STARTER
1	354010010	BELLOWS, ORANGE
2	354336352	BELLOWS CLAMP (TOP)
2	354336352	BELLOWS CLAMP (BOTTOM)

NOTICE

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



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Mikasa

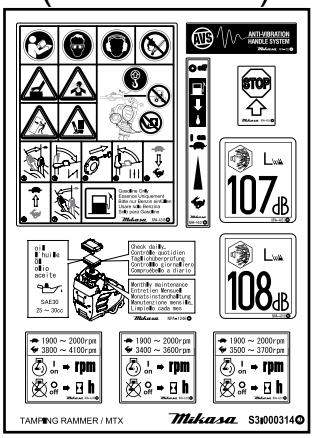
MTX series

RAMMER

quick manual

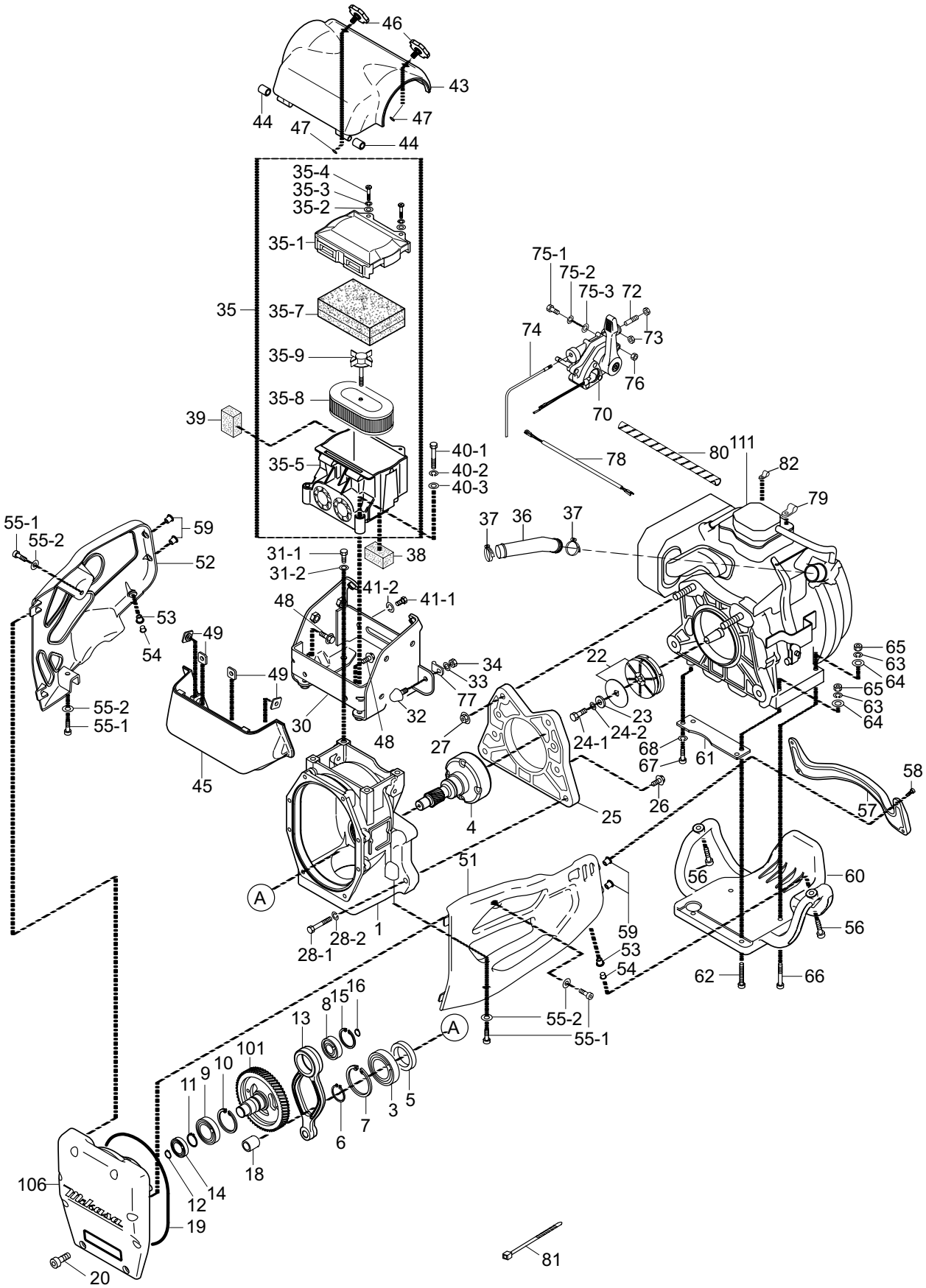
- **Engine Oil**
  Use SAE 10W/30,SE or higher grade motor oil
- **RAMMING CYLINDER OIL**
  Use SAE 10W/30,SF or higher grade motor oil
- **Fuel**
  Use normal quality gasoline

A (DECAL SET)



NAMEPLATE AND DECALS ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
A	920900040	DECAL SET	1	INCLUDES ITEMS W/#
1#		DECAL: OPERATION	1	
2#		DECAL: AIR CLEANER	1	
3#		DECAL: LEVER OPERATION	1	
4#		DECAL: MAX SPEED	1	
5#		DECAL: MACHINE STOP	1	
6#		DECAL: EC NOISE REQ	1	
7#		DECAL: ANTI-VIB HANDLE	1	
8	920212540	QUICK MANUAL	1	
11		DECAL: NAMEPLATE	1	CONTACT MQ PARTS DEPT.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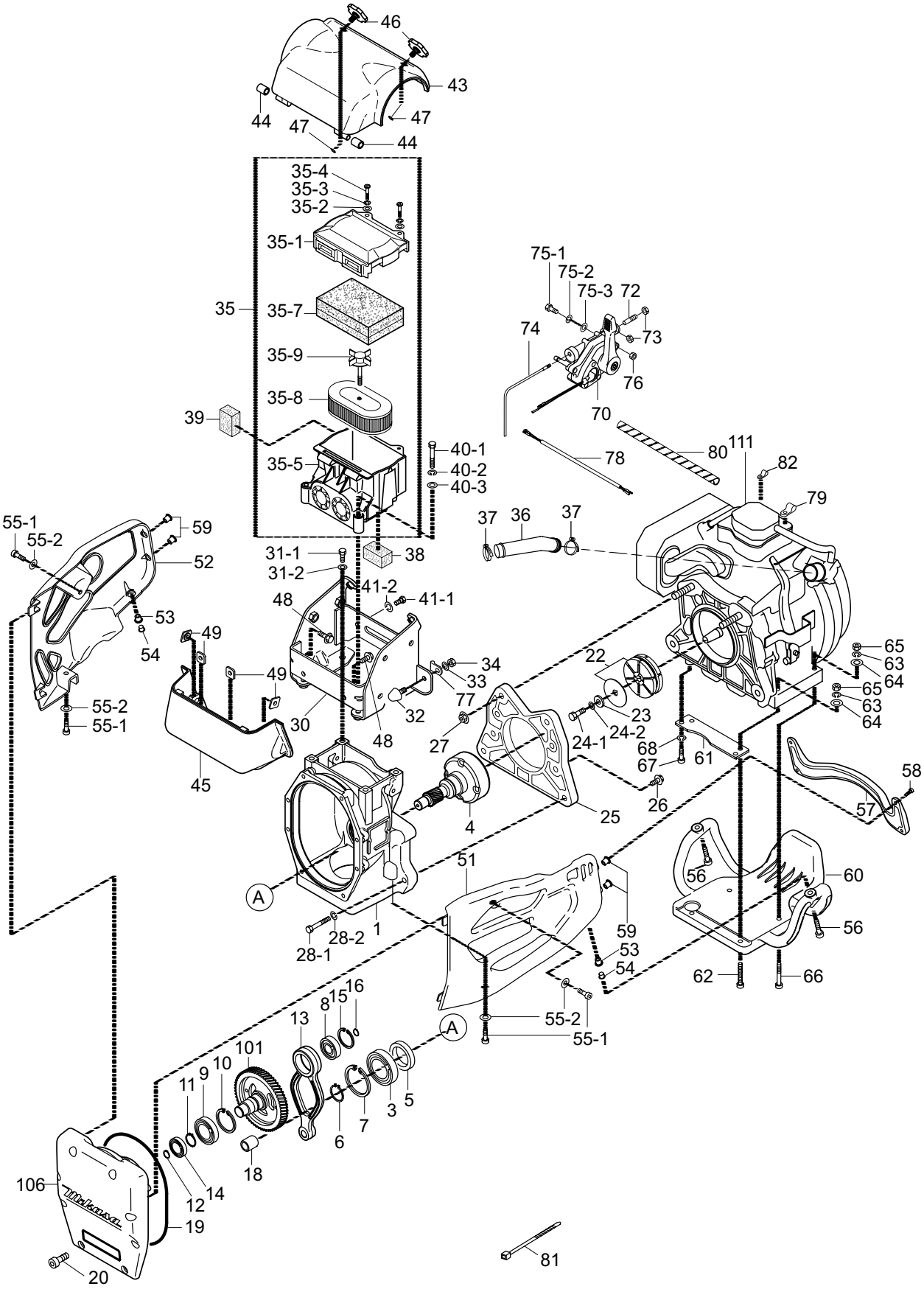
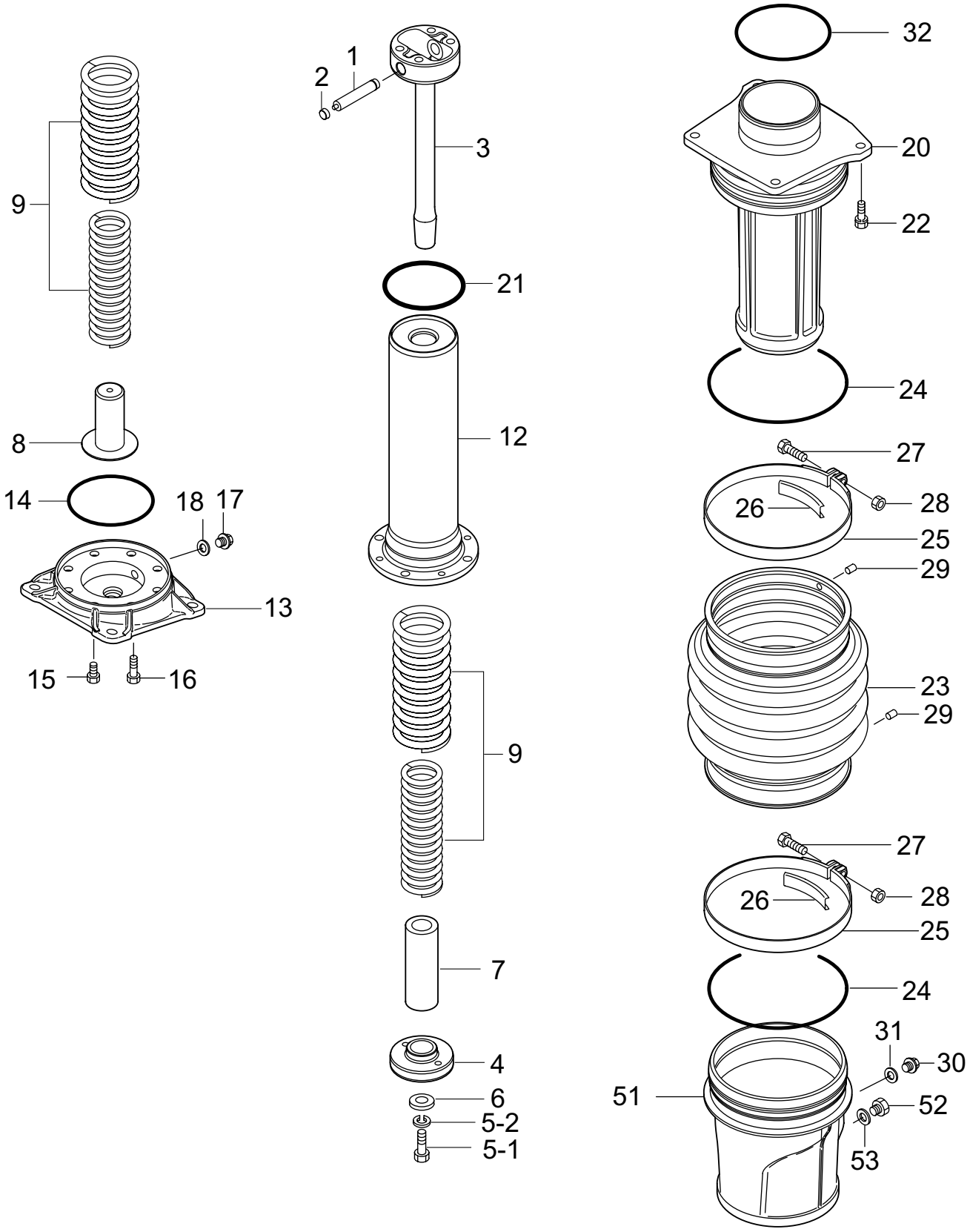
1	366118940	CRANK CASE	1	
3	041006007	BEARING 6007Z	1	
4	367345180	PINION, DRUM	1	
5	060404010	OIL SEAL TC-40528	1	
6	080200350	STOP RING S-35	1	
7	080100620	STOP RING R-62	1	
8	040006304	BEARING 6304	1	
9	040006207	BEARING 6207	1	
10	080100720	STOP RING R-72	1	
11	080200350	STOP RING S-35	1	
12	080200250	STOP RING S-25	1	
13	366345230	CONNECTING ROD	1	
14	040006305	BEARING 6305	1	
15	080100520	STOP RING R-52	1	
16	080200200	STOP RING S-20	1	
18	047940060	NEEDLE BEARING FJ-1816	1	
19	050710080	O-RING AS568-267	1	
20	001520825	SOCKET HEAD BOLT 8X25 T	8	
22	366346210	CLUTCH ASSY.	1	MTX80: S/N S-3939 AND BELOW MTX90: S/N S-1298 AND BELOW
22	366348550	CLUTCH ASSY.	1	MTX80: S/N S-3940 AND ABOVE MTX90: S/N S-1299 AND ABOVE
23	952401450	WASHER 8.5X22X3	1	
24-1	001220825	BOLT 8X25 T	1	
24-2	030208200	WASHER, LOCK M8	1	
25	367217260	FLANGE, ENGINE	1	
26	001710830	FLANGE BOLT 8X30	4	
27	022611010	FLANGE NUT M10 H	2	
28-1	001221054	BOLT 10X70 T	2	
28-2	030210250	WASHER, LOCK M10	2	
30	366346280	BRACKET, SHOCK ABSORBER	1	
31-1	001211030	BOLT 10X30 H	4	
31-2	030210250	WASHER, LOCK M10	4	
32	939010270	STOPPER RUBBER (70)	1	
33	030208200	WASHER, LOCK M8	1	
34	020308060	NUT M8	1	
35	366900010	AIR CLEANER ASSY.	1	INCLUDES ITEMS W/#
35-1#	366010010	AIR CLEANER COVER	1	
35-2#	366010020	WASHER, FLAT M6	2	
35-3#	366010030	WASHER, LOCK M6	2	
35-4#	366010040	COIN BOLT M6	2	
35-5#	366010050	BASE CP, AIR CLEANER	1	
35-7#	366010070	PRIMARY ELEMENT CP	1	
35-8#	366010080	SECONDARY ELEMENT	1	
35-9#	362030040	GRIP BOLT CP, AIR CLEANER	1	
36	367217460	PIPE, INTAKE	1	
37	954407682	CYCLONE CLAMP (CY-1) 38	2	
38	366460160	SEALING FORM, UNDER	1	
39	366460150	SEALING FORM, SIDE	1	

CRANKCASE AND ENGINE ASSY. (CONT'D.)



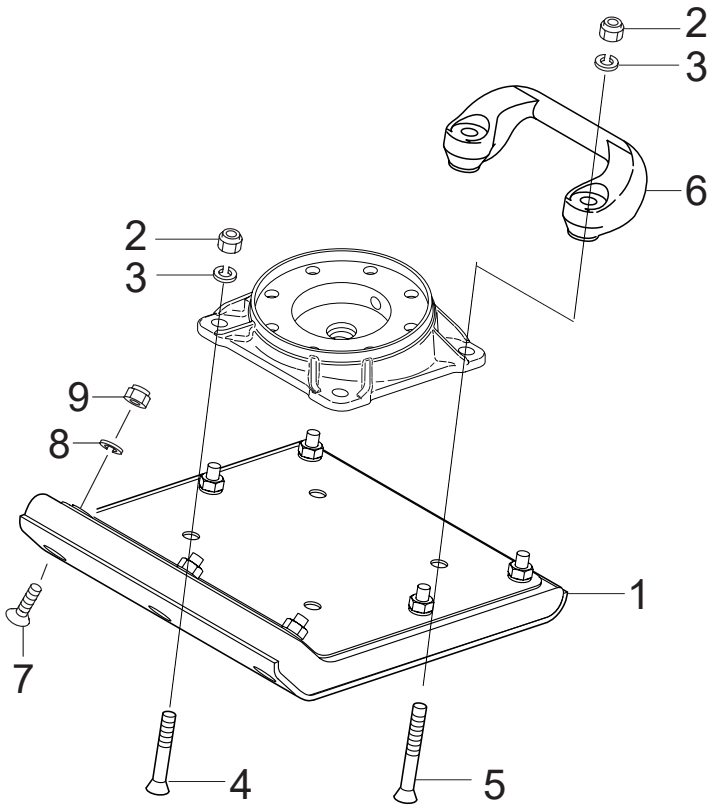
40-1	001220851	BOLT 8X55 T	2	
40-2	030208200	WASHER, LOCK M8	2	
40-3	031108160	WASHER, FLAT M8	2	
41-1	001210815	BOLT 8X15 H	2	
41-2	030208200	WASHER, LOCK M8	2	
43	366217340	COVER, CLEANER ASSY. (UPPER)	1	
44	366460140	RUBBER BUSH (10X16X17)	2	
45	366217350	COVER, CLEANER ASSY. (UNDER)	1	
46	366345980	KNOB, CLEANER COVER	2	
47	050200060	O-RING P6	2	
48	009110040	FLANGE BOLT 8X20	4	
49	959407670	SQUARE NUT M8	4	
51	367118990	GUARD, LINK	1	
52	367119000	GUARD, MUFFLER	1	
53	022910260	WELL NUT M8	2	
54	366460170	FLANGE COLLAR 8	2	
55-1	001520820	SOCKET HEAD BOLT 8X20 T	4	
55-2	031108160	WASHER, FLAT M8	4	
56	009110038	SOCKET HEAD BOLT 8X30 ZN	2	
57	367217490	EX BAR	1	
58	009110039	SOCKET HEAD BOLT 6X25 ZN	4	
59	022910250	WELL NUT M6	4	
60	367119010	GUARD, ENGINE	1	
61	367346290	SUPPORT, ENGINE	1	
62	009110042	S.H.BOLT8X45 WHOLE THREAD	2	
63	030208200	WASHER, LOCK M8	4	
64	031108160	WASHER, FLAT M8	4	
65	020308060	NUT M8	4	
66	009110043	SOCKET HEAD BOLT 8X40 ZN	2	
67	001520820	SOCKET HEAD BOLT 8X20 T	2	
68	030208200	WASHER, LOCK M8	2	
70	366900042	COMBINATION LEVER ASSY. W/ WIRE	1	INCLUDES ITEMS W/@
74@	956100063	THROTTLE WIRE	1	
75-1	001220620	BOLT 6X20 T	2	
75-2	030206150	WASHER, LOCK M6	2	
75-3	031106100	WASHER, FLAT M6	2	
76	020306050	NUT M6	2	
77	959006120	CLIP (TCP2-10509B)	1	
78	367460120	WIRE HARNESS	1	
79	2067550101	CLAMP COMPL	1	
80	959021810	SPIRAL TUBE KEP6/L=500	1	
81	454010020	CLAMP TC-100	5	
82	954010280	CLIP AB-4N	1	
101	367345200	CRANK GEAR	1	
106	366010120	FRONT COVER	1	MTX80, S/N S-3939 AND BELOW
106	366010121	FRONT COVER	1	MTX80, S/N S-3940 AND ABOVE
106	366010130	FRONT COVER	1	MTX90, S/N S-1298 AND BELOW
106	366010131	FRONT COVER	1	MTX90, S/N S-1299 AND ABOVE
111	911211217	ENGINE ASSY., EH122D46530	1	

GUIDE CYLINDER AND SPRING ASSY.



GUIDE CYLINDER AND SPRING ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	366460100	PISTON PIN	1	
2	366459910	PLUG, PISTON PIN	2	
3	366346000	PISTON ROD	1	
4	371459690	PISTON END	1	
5-1	001221230	BOLT 12X30 T	1	
5-2	030212300	WASHER, LOCK M12	1	
6	952404790	WASHER 13306	1	
7	355447260	STOPPER, LOWER	1	
8	366459900	STOPPER, BOTTOM	1	
9	366459730	MAIN SPRING	2	
12	366345990	SPRING CYLINDER	1	
13	366217210	FOOT PLATE 12	1	
14	050100900	O-RING G-90	1	
15	001521020	SOCKET HEAD BOLT 10X20 T	4	
16	001521040	SOCKET HEAD BOLT 10X40 T	4	
17	953405270	PLUG 1/4X14 13L	1	
18	953405260	PACKING 1/4 (CU)	1	
20	366217440	GUIDE CYLINDER	1	FOR MTX80
20	367217450	GUIDE CYLINDER	1	FOR MTX90
21	050710070	O-RING AS568-344	1	
22	002211035	BOLT 10X35 H, SW	4	FOR MTX80
22	002211045	BOLT 10X45 H, SW	4	FOR MTX90
23	354010010	BELLOWS, ORANGE	1	
24	050931500	O-RING JASO3150	2	
25	354336352	BELLOWS CLAMP(1.6T)171D	2	
26	354442340	BAND GUIDE, BELLOWS	2	
27	001220840	BOLT 8X40 T	2	
28	020308060	NUT M8	2	
29	354446170	PIN 6D-8.5L	2	
30	953405270	PLUG 1/4X14 13L	1	
31	953405260	PACKING 1/4 (CU)	1	
32	050200950	O-RING P-95	1	
51	366118590	PROTECTION SLEEVE	1	
52	366460300	OIL GAUGE ASSY.	1	
53	953404670	COPPER PACKING 17X25.5X1	1	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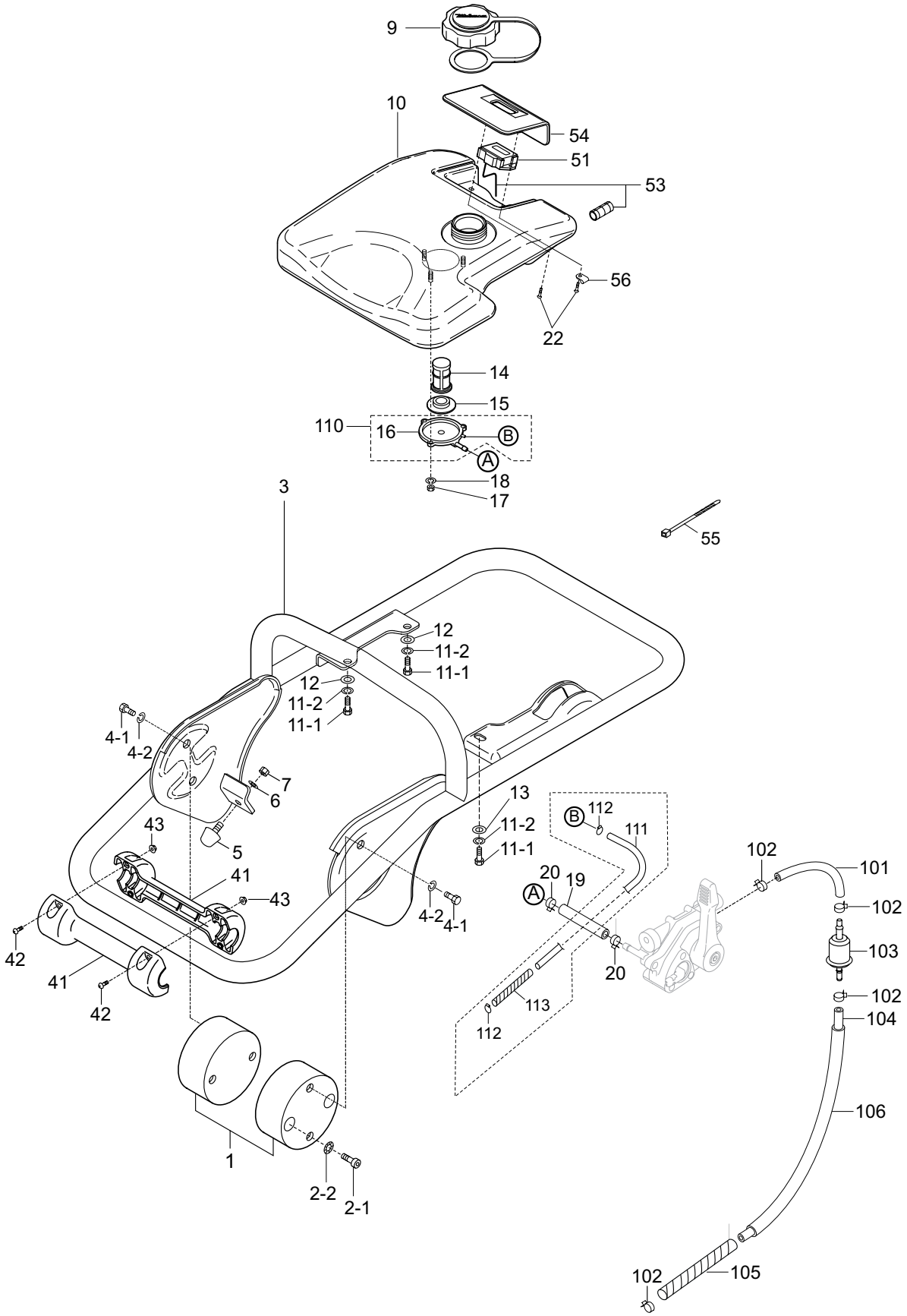
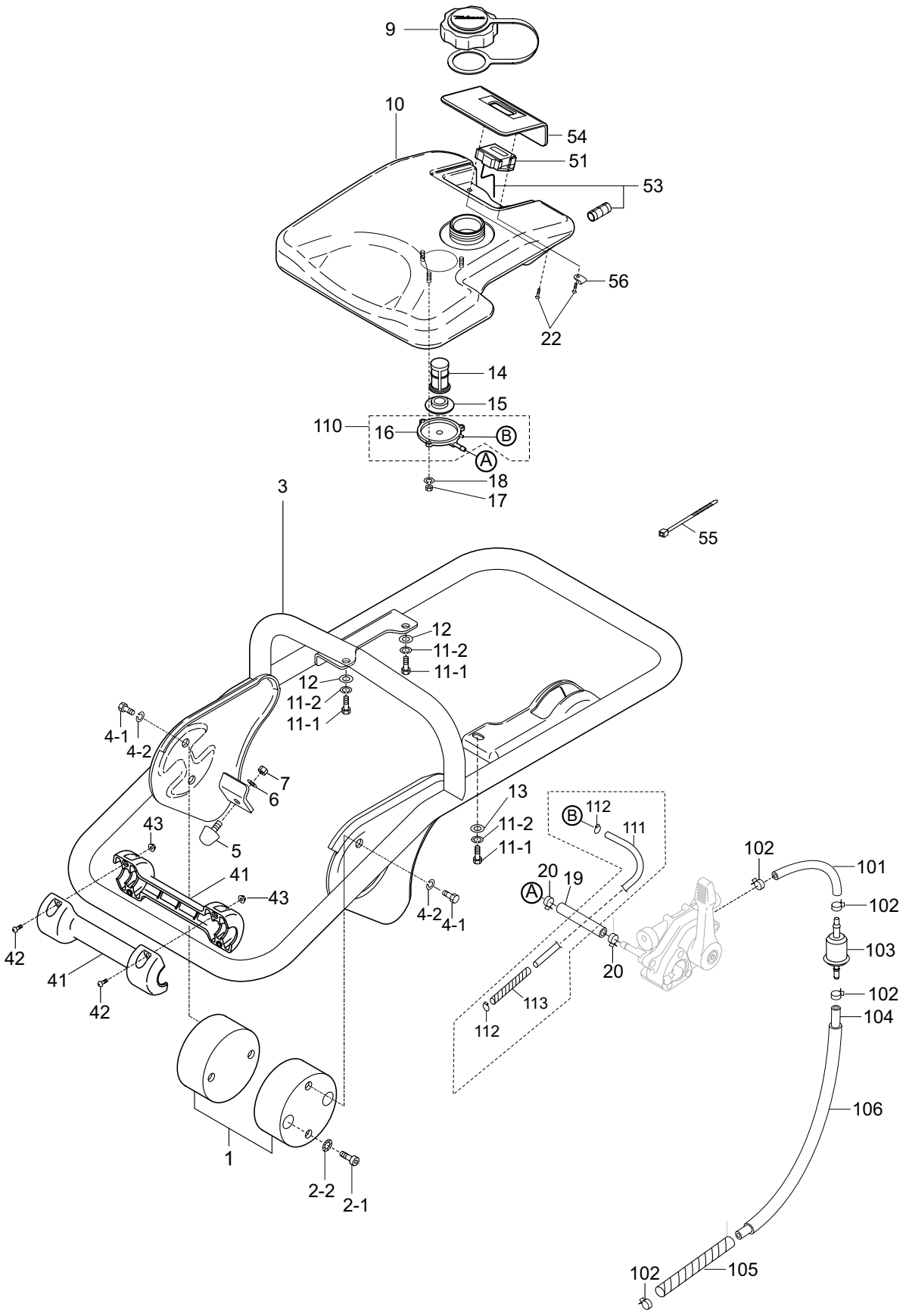
NO.	PART NO.	PART NAME	QTY.	REMARKS
1	366910020	FOOT ASSY. 285	1	
2	022711214	NYLON NUT M12	4	
3	030212300	WASHER, LOCK M12	4	
4	009110034	BOLT, SQUARE NECK 12X65	2	
5	009110035	BOLT, SQUARE NECK 12X95	2	
6	363343390	GRIP HANDLEBAR	1	
7	015110055	SUNK HEAD BOLT 10X55 H	7	
8	030210250	WASHER SW M10	7	
9	021110120	NYLON NUT M10	7	

TANK AND HANDLE ASSY.



TANK AND HANDLE ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	366346270	SHOCK ABSORBER W/PIN	2	
2-1	001521020	SOCKET HEAD BOLT 10X20 T	4	
2-2	033121009	TOOTHED LOCK WASHER B M10	4	
3	367119050	HANDLE	1	
4-1	001211020	BOLT 10X20 H	4	
4-2	030210250	WASHER, LOCK M10	4	
5	939010270	STOPPER RUBBER (70)	1	
6	030208200	WASHER, LOCK M8	1	
7	020308060	NUT M8	1	
9	366900020	CAP ASSY, FUEL TANK	1	
10	366118700	FUEL TANK	1	
11-1	001210815	BOLT 8X15 H	3	
11-2	030208200	WASHER, LOCK M8	3	
12	952401450	WASHER 8.5X22X3	2	
13	031108160	WASHER, FLAT M8	1	
14	959300770	STRAINER #508	1	
15	366459790	PACKING, FUEL TANK	1	
16	366345280	HOLDER, FILTER	1	MTX80 S/N T-4419 AND BELOW MTX90 S/N T-1341 AND BELOW
16%	366345280	HOLDER, FILTER	1	MTX80 S/N T-4420 AND ABOVE MTX90 S/N T-1342 AND ABOVE
17	020305040	NUT M5	3	
18	030205130	WASHER, LOCK M5	3	
19	959026122	FUEL HOSE L=70	1	MTX80 S/N T-4164 AND BELOW MTX90 S/N T-1331 AND BELOW
19	0851041780	FUEL HOSE FOR EVP L=70	1	MTX80 S/N T-4165 AND ABOVE MTX90 S/N T-1332 AND ABOVE
20	954406420	HOSE BAND 10.5	2	MTX80 S/N T-4164 AND BELOW MTX90 S/N T-1331 AND BELOW
20	0561080020	HOSE CLAMP	2	MTX80 S/N T-4165 AND ABOVE MTX90 S/N T-1332 AND ABOVE
22	009110037	TAPPING SCREW 5X20	2	
41	366217170	ROLLER	2	
42	091005020	SCREW 5X20	4	
43	022610505	FLANGE NUT M5 H	4	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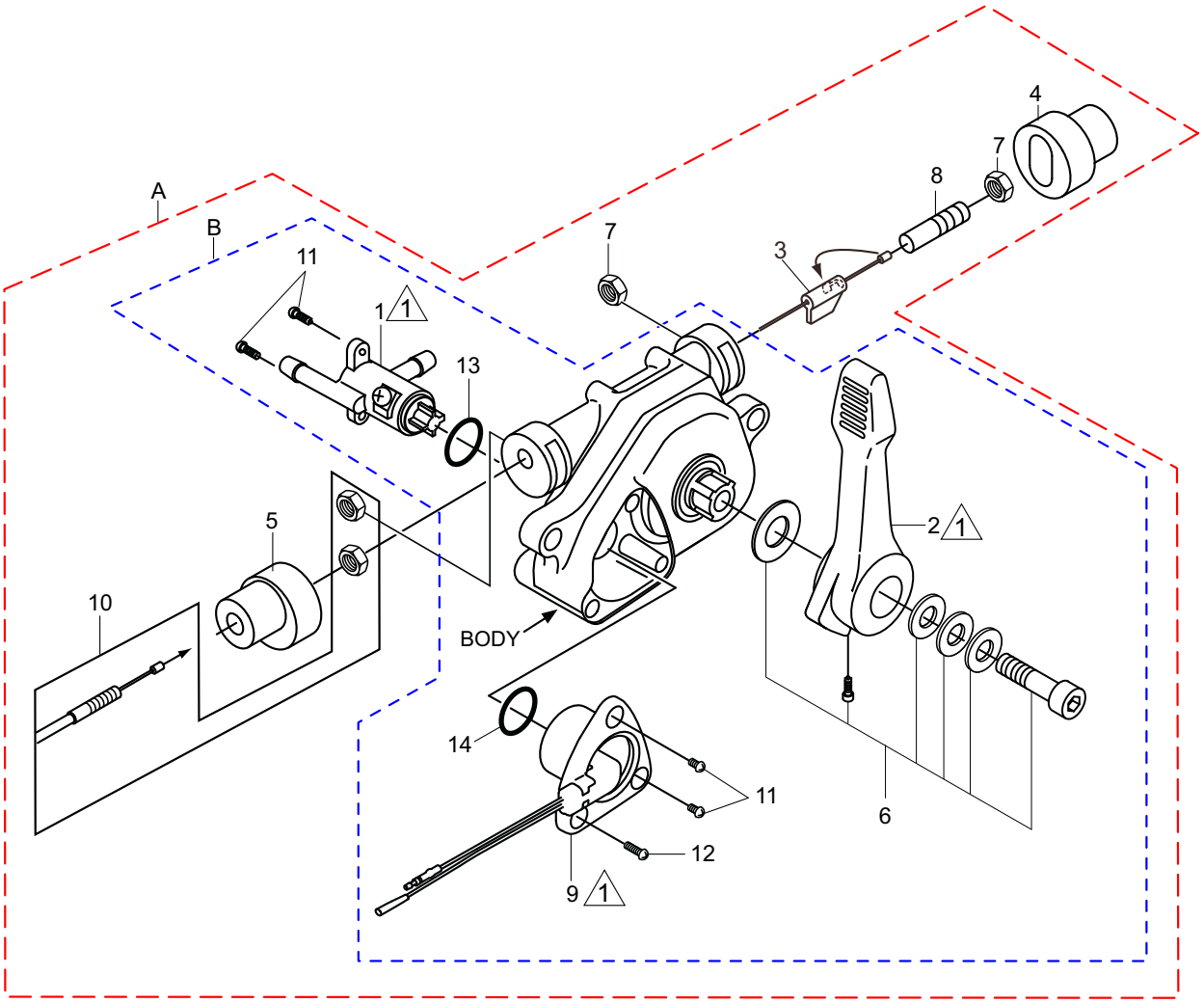
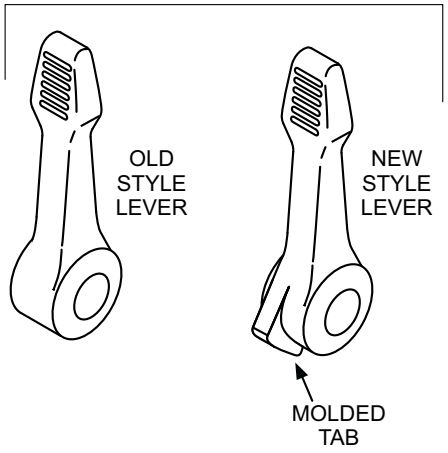
NO.	PART NO.	PART NAME	QTY.	REMARKS
51	955010311	TP22 TACHO/HOUR METER	1	
53	955010305	CURL CORD TP22	1	
54	366345620	FINISHER, METER	1	
55	454010020	CLAMP, TC100	5	
56	954010270	CLIP AB-3N	1	
101	959026121	FUEL HOSE L=170	1	MTX80 S/N T-4164 AND BELOW MTX90 S/N T-1331 AND BELOW
101	0851041800	FUEL HOSE FOR EVP L=170	1	MTX80 S/N T-4165 AND ABOVE MTX90 S/N T-1332 AND ABOVE
102	954406420	HOSE BAND 10.5	4	MTX80 S/N T-4164 AND BELOW MTX90 S/N T-1331 AND BELOW
102	0561080020	HOSE CLAMP	4	MTX80 S/N T-4165 AND ABOVE MTX90 S/N T-1332 AND ABOVE
103	26365012A3	FILTER, FUEL CP	1	
104	959021722	FUEL HOSE L=250	1	MTX80 S/N T-4164 AND BELOW MTX90 S/N T-1331 AND BELOW
104	0851041760	FUEL HOSE FOR EVP L=260	1	MTX80 S/N T-4165 AND ABOVE MTX90 S/N T-1332 AND ABOVE
105	959021824	SPIRAL TUBE D=6, L=110	1	MTX80 S/N T-4165 AND ABOVE MTX90 S/N T-1332 AND ABOVE
106	959407720	TUBE, V 11X13X180	1	
110	366900060	PRIMER PUMP KIT/NO CARB	1	INCLUDES ITEMS W/ % MTX80 S/N T-4420 AND ABOVE MTX90 S/N T-1342 AND ABOVE
111%	959028301	RETURN HOSE 3X6X600	1	MTX80 S/N T-4420 AND ABOVE MTX90 S/N T-1342 AND ABOVE
112%	954408170	HOSE CLIP 5	2	MTX80 S/N T-4420 AND ABOVE MTX90 S/N T-1342 AND ABOVE
113%	959021814	SPIRAL TUBE 6D-200L	1	MTX80 S/N T-4420 AND ABOVE MTX90 S/N T-1342 AND ABOVE



DETAIL C

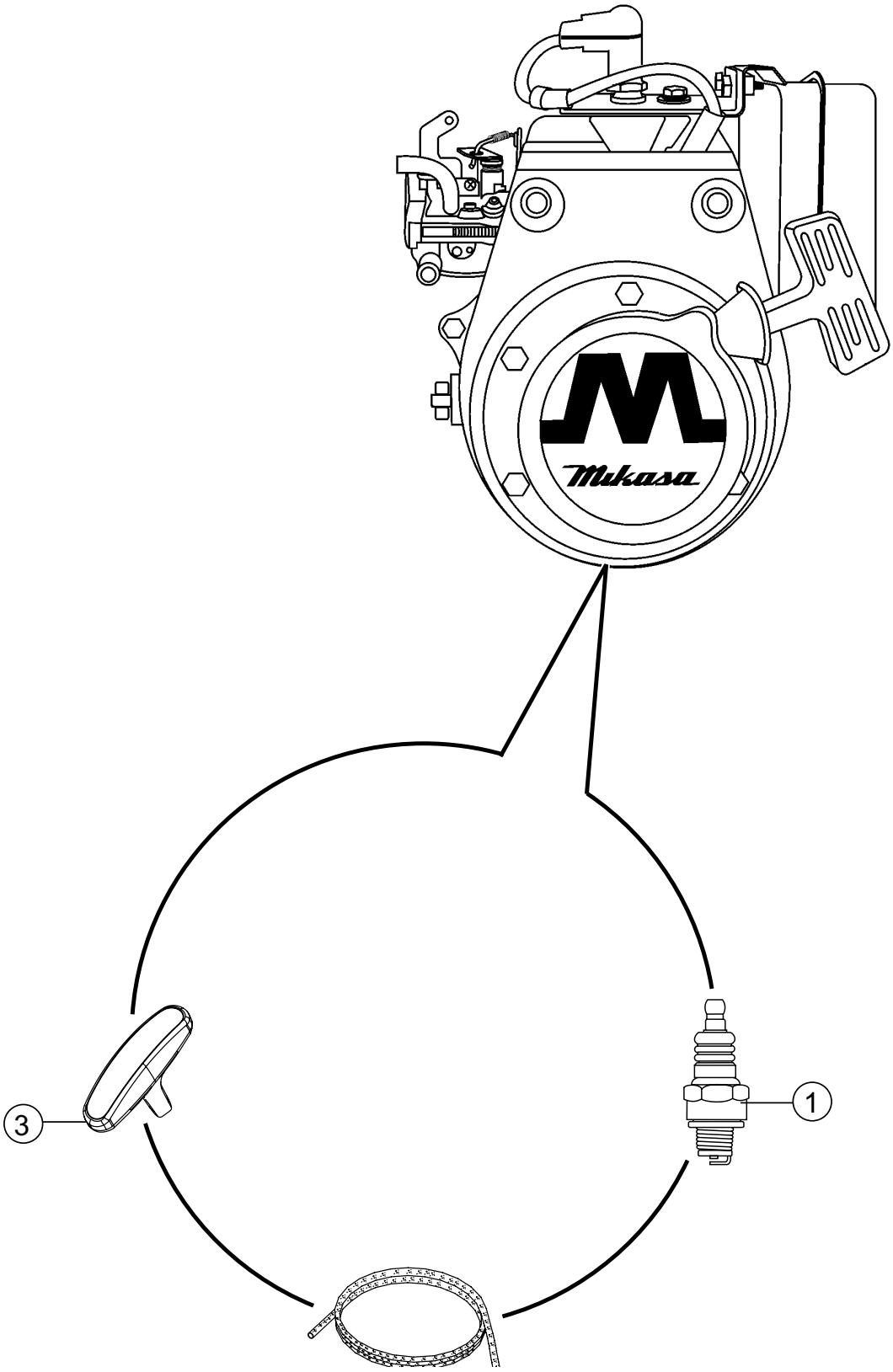


NOTES:

1 ITEMS 1, 2 AND 9 ARE NO LONGER AVAILABLE (NLA) FOR OLD STYLE LEVER, ***MUST*** ORDER ITEM A OR B. TO DETERMINE WHAT TYPE LEVER, REFERENCE **DETAIL C**, NEW STYLE LEVER HAS MOLDED TAB AT BOTTOM.

COMBINATION LEVER ASSY.

NO.	PART NO.	PART NAME	QTY.	REMARKS
A	366900032	COMB. LEVER W/ THROTTLE WIRE	1	INCLUDES ITEMS W/@
B	956200110	COMB. LEVER W/OUT THROTTLE WIRE	1	INCLUDES ITEMS W/ #
1@#	366346260	FUEL COCK, OLD STYLE	1	NLA, MUST ORDER ITEM A OR B
1@#	366349430	FUEL COCK, NEW STYLE	1	
2@#	366010180	LEVER, OLD STYLE	1	NLA, MUST ORDER ITEM A OR B
2@#	366010310	LEVER, NEW STYLE (MOLDED TAB)	1	
3@	366010190	SLIDER	1	
4@	366010200	END CAP	1	
5@	366010210	WIRE CAP	1	
6@#	366010220	BOLT AND WASHER SET	1	
7@	020408050	NUT M8, H=5	2	
8@	959407650	SOCKET HEAD SCREW/TH.WIRE	1	
9@#	366010260	STOP SWITCH, OLD STYLE	1	NLA, MUST ORDER ITEM A OR B
9@#	366010320	STOP SWITCH, NEW STYLE	1	
10@	956100062	THROTTLE WIRE	11	
11@#	094010051	TAPPING SCREW B1 4X12	4	
12@#	094010052	TAPPING SCREW B1 4X30	1	
13@#	050200150	O-RING, P15	1	
14@#	050200110	O-RING, P11	1	


Mikasa
3
1

NO.	PART NO.	PART NAME	QTY.	REMARKS
1	0650140580	PLUG, SPARK	1	
2	2825011118	ROPE, RECOIL STARTER	1	
3	2615010008	GRIP, RECOIL STARTER	1	

PARTS MANUAL

HERE'S HOW TO GET HELP

PLEASE HAVE THE MODEL AND SERIAL NUMBER ON-HAND WHEN CALLING

UNITED STATES

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This manual MUST accompany the equipment at all times. This manual is considered a permanent part of the equipment and should remain with the unit if resold.

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