

mikasa MVC-T90H Forward Plate Compactor User Manual



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SPARE PARTS MANUAL

MIKASA FORWARD PLATE COMPACTOR MVC-T90H



Version 3.0 (January 2025)

FOR MORE INFORMATION
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EXCLUSIVE TO



Mikasa

PLATE COMPACTOR

MVC-T90H
MVC-T90H VAS

PARTS LIST

405-08602

www.mikasas.com

PARTS REMARK INDEX

How to read the marks and remarks used in this parts book.

Section 1 : Explanation of Code Use In “MRK” Column

OO : Interchangeable between the new part and the old one.

XX : Not Interchangeable between new and old.

OX : New part is usable for the old machine but the old part is not usable for the new machine.

XO : The old part is usable for the new machine but the new part is not usable for the old machine.

Note : In case of the lack of interchangeability between the new part and old part, a new part may be used by replacing all other parts found in the assembly. In this case, refer to section 2 for instruction on identifying other parts involved in a new assembly.

AD : Newly established(added)

DC : Suspended(discontinued)

NC : Part number changed

QC : Quantity used has been changed

NS : Not supplied individually but supplied in an assembly or a group.

AS : Special part designed to allow interchangeability between new and old part.

CR : Correction

Section 2 : Items Found In “Remark” Column

Serial Numbers – Where indicated, this indicates a serial number range (inclusive) where a particular part is used.

Model Number – Where indicated, this shows that the corresponding part is utilized only with this specific model number or model number variant.

or * : All parts with the same number following # or * belong to the same assembly. this part cannot be interchanged individually with any other assemblies to replace an old part (indicated by #), with a new part(indicated by *), then all other parts of that assembly must be replaced with new ones.

Note : If more than one of the same reference number is listed, the last one listed indicates newest(or latest)part available.

Section 3: Example

REF NO.	PART NO.	PART NAME	Q'TY	MRK	REMARKS
457(1)	5122-09230	Hinge Metal, Upper/24g	1		-1070 #3 (5)
457(2)	5072-09420	Hinge Metal, Upper M16	1	OX(3)	U1071-(6) * 3(7)

(1) Old part

(2) New part

(3) New part usable with old machine, but old part not usable with new machine (reference section 1).

(4) Old part number is used through this machine serial number.

(5) Old part, used in an assembly with other parts marked with #3. To use this part on a new machine, all other parts in this assembly must be replaced with old ones.

(6) New part put into use starting with this serial number and is still current.

(7) New part used in an assembly with other parts marked * 3, to use this part as a replacement for an old part, all other * 3 marked parts must be changed at the same time.

Section 4: Items Found In “MK2” Column

(only for suspended products)

! OO (“OO” is shown in figure) : The part shown in lower line is supplied.

! SD : Not available due to termination of production.

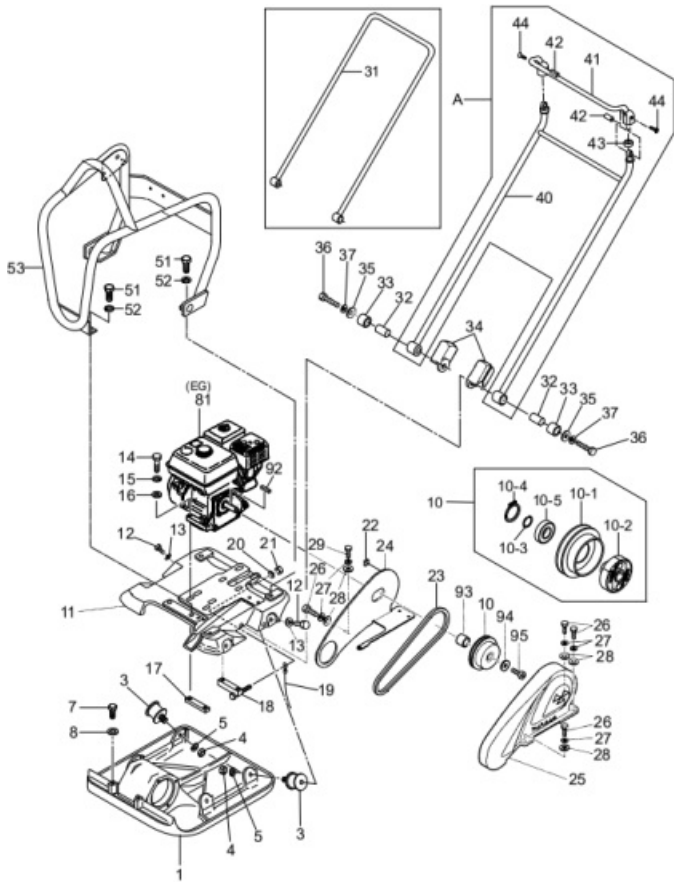
! NS : Not supplied individually, but supplied in an assembly or a group.

! PD : Supplied as unit product.

SS : Not available after stock run out.

(The contents of this parts catalog are subject to change without notice.)

BODY



2023/10/20

1. BODY

** 4UE **

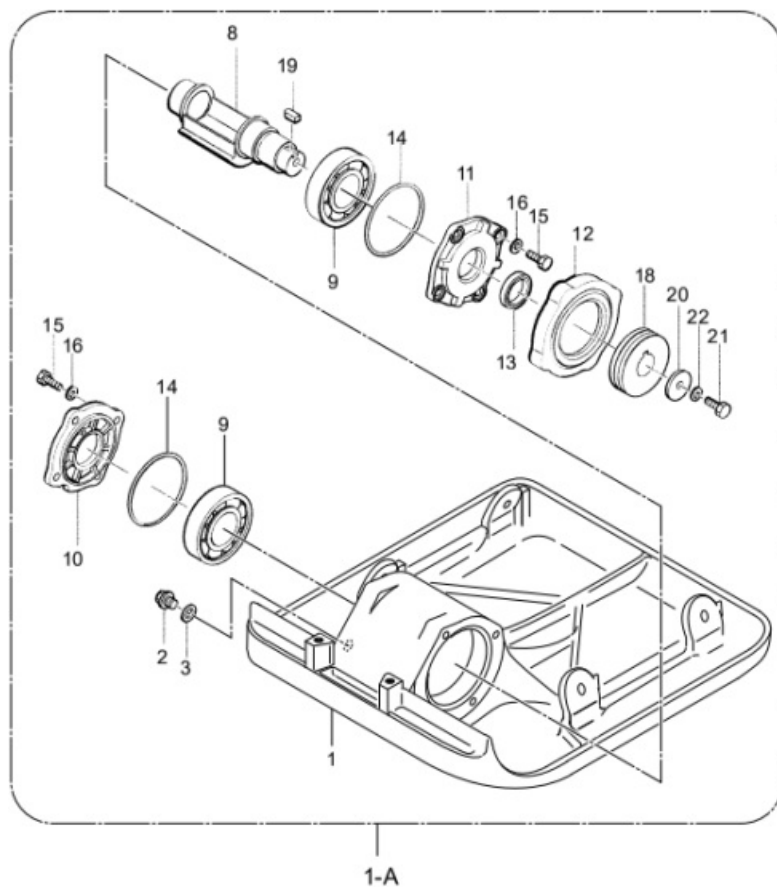
REF NO	PART NO.	PART NAME	Q'TY	MRK	MK2	REMARKS
A	4169-10120	VAS HANDLE AY/MVC-T90,88V	1			T90H VAS
1	4161-20141-GR	VIBRATING PLATE AY/T90/GR	1			GR/JP,EXP
1	4161-20142-OR	VIBRATING PLATE AY/T90/OR	1			OR/EXP
1	4161-20143-OP	VIBRATING PLATE AY/T90/OP	1		0JH	OP/EXP
3	9390-10440	SHOCK ABSORBER 50-45-67	4		SX2	
4	0203-10080	NUT M10	4			
5	0302-10250	SW M10	4			
7	0012-21220	BOLT 12X20 T	2			

8	0311-12230	PW M12	2			
10	4169-10100	CLUTCH AY/T90/19.05MM	1			INCH SHAFT
10-1	4164-64490	CLUTCH DRUM 85/MVC-T90	1			
10-2	4163-51320	CLUTCH SHOE&BOSS AY/19.05	1			INCH SHZFT
10-3	0802-00300	STOP RING S-30	1			
10-4	0801-00550	STOP RING R-55	1			
10-5	0460-06006	BEARING 6006DDU	1			
11	4161-20390-GR	BASE/MVC-T90/GR	1			GR
11	4161-20399-OR	BASE/MVC-T90/OR	1			OR
12	0012-21025	BOLT 10X25 T	4			
13	0302-10250	SW M10	4			
14	0012-20850	BOLT 8X50 T	4			
15	0302-08200	SW M8	4			
16	0311-08160	PW M8	4			
17	4044-12290	ENGINE NUT	1			
18	4164-66540	ENGINE NUT(W/BOLT)/T90	1			
19	9594-04350	EARTH WIRE	1		**	
20	0311-08160	PW M8	1			
21	0227-10809	NYLON NUT M8	1			
22	4164-54360	RUBBER PLATE 25X25X8	1			
23	0701-00332	V-BELT / RPF-3330	1			
24	4161-20950	BELT COVER(IN)/MVC-T90	1			
25	4160-10019-OR	BELT COVER-OR /EXP/MVC-T90	1			EXP/OR
25	4160-10015-GR	BELT COVER-GR /EXP/MVC-T90	1		**	JP/EXP/GR
25	4160-10040	BELTCOVER/MQ/MVC88VG	1			MQ
26	0012-20825	BOLT 8X25 T	4			
27	0302-08200	SW M8	5			
28	0311-08160	PW M8	5			
29	0012-20820	BOLT 8X20 T	1			
31	4162-18720	HANDLE /MVC-T90	1			T90H
32	9524-08710	COLLAR 13X20X44 ZN/T90	2		**	

33	4044-33430	RUBBER 20X32X28.5/52H	2			
34	4164-52361	HANDLE STOPPER /MVC-88	2		SX2	
35	9524-05600	WASHER 12.5X35X4.5	2			
36	0012-21253	BOLT 12X65 T	2			
37	0302-12300	SW M12	2			
40	4161-21010	VAS HANDLE BODY/MVC-T90,88V	1		SS!416	T90H VAS
41	4162-18770	GRIP.VAS HANDLE/MVC-T90,88V	1		!4169-	T90H VAS
42	4164-59320	HANDLE NUT,VAS HANDLE/88G	2			T90H VAS
43	4164-59341	RUBBER,VAS HANDLE/MVC-88G	2			T90H VAS
44	0091-20407	SUNK HEAD BOLT 10X20 T	2			T90H VAS
51	0012-21025	BOLT 10X25 T	4			
52	0302-10250	SW M10	4			
53	4169-10170	GUARD,HOOK CP/T90H	1			
53	4169-10170	GUARD,HOOK CP/T90H	1			T/H METER
53	4161-21740	GUARD,HOOK/T90HC	1			GX160UT2QMXC
81	9122-16015	ENGINE AY/GX160UT2-QMX2	1		!9122-	INCH SHAFT
81	9122-16021	ENGINE AY/GX160UT2-QMXC	1	XX	!9122-	INCH SHAFT
81	9122-16025	ENGINE /GX160UT2-QCM	1			
92	90745-ZE1-600	KEY 4.78X4.78X38	1			
93	4164-52809	SPACER 19.05-25-15.6	1			
94	9524-00130	WASHER 9304	1		**	
95	0091-10004	SOCKET HEAD BOLT 5/16X24	1			

4UF0

VIBRATOR



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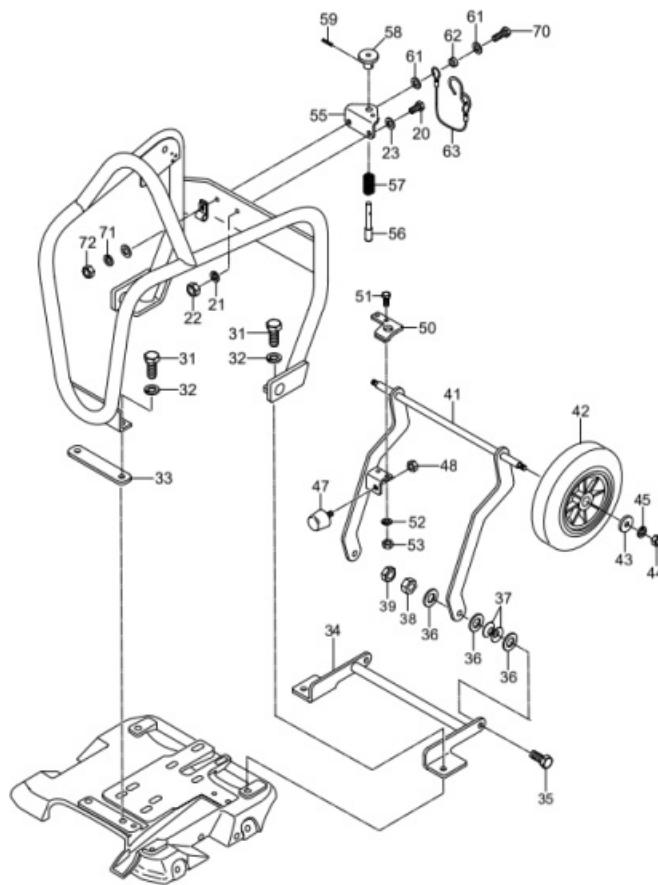
2. VIBRATOR

**** 4UF ****

REF NO.	PART NO.	PART NAME	Q'TY	MRK	MK2	REMARKS
1	4161-20141-GR	VIBRATING PLATE AY/T90/GR	1			GR/JP,EXP
1	4161-20142-OR	VIBRATING PLATE AY/T90/OR	1			OR/EXP
1	4161-20143-OP	VIBRATING PLATE AY/T90/OP	1		0JH	OP/EXP
1-A	4169-10150-GR	VIB-PL. W/VIB. CP T90/GR	1		SX1	INC,1-22/GR
1-A	4169-10180-OR	VIB-PL. W/VIB. CP/T90/OR	1			INC,1-22/OR
1-A	4169-10190-OP	VIB-PL. W/VIB. CP T90/OP	1			INC,1-22/OP
2	9534-05270	PLUG 1/4X14 13L	1			
3	9534-05260	PACKING 1/4 (CU)	1		**	
8	4162-18390	ECCENTRIC ROTATOR/T90	1		SX	
9	0404-06211	BEARING 6211C4	2			
10	4163-38909	CASECOVER(R)/MVC-T90	1			
11	4163-38919	CASE COVER(L)/MVC-T90	1			
12	4163-49931	BELT COVER GUARD/T90	1		SX2	
13	0604-03060	OIL SEAL TC-35488	1		SX2	
14	0501-01000	O-RING G-100	2			
15	0012-20820	BOLT 8X20 T	8			
16	0302-08200	SW M8	8			
18	4164-64470	PULLEY 81-28/T90	1			
19	9514-05240	KEY 7X7X19 R	1		**	
20	9524-04250	WASHER 11X40X4	1		**	
21	0012-21025	BOLT 10X25 T	1			
22	0302-10250	SW M10	1			

4UG0

TRANSPORT WHEEL (OPTION)



2023/10/20

3. TRANSPORT WHEEL

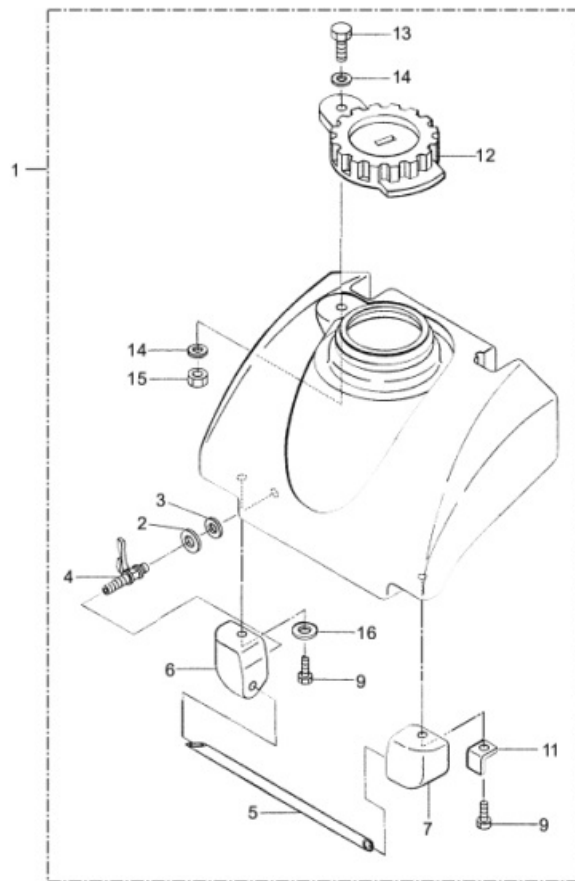
**** 4UG ****

REF NO.	PART NO.	PART NAME	Q'T	MRK	MK2	REMARKS
20	0012-20620	BOLT 6X20 T	1			
21	0302-06150	SW M6	1			
22	0203-06050	NUT M6	1			
23	0311-06100	PW M6	1			
31	0012-21030	BOLT 10X30 T	4			
32	0302-10250	SW M10	4			
33	4164-66680	SPACER,WHEEL/MVC-T90	1			
34	4163-52490	BRACKETS,WHEEL/T90	1			
35	0012-21035	BOLT 10X35 T	2			
36	0311-10160	PW M10	6			
37	0321-10180	CONICAL SPRING WASHER M10	4			
38	0203-10080	NUT M10	2			
39	0204-10060	NUT M10, H=6	2			

41	4162-18830	VEHICLE AXLE/MVC-T90	1		SX	
41	4162-19520	VEHICLE AXLE/T90HC	1			GX160UT2QMXC
42	9594-11020	WHEEL 12DX125X42B/T90	2			
43	9524-00130	WASHER 9304	2		**	
44	0203-08060	NUT M8	2			
45	0302-08200	SW M8	2			
47	9390-10270	STOPPER RUBBER (70) /MT	1			
48	0203-08060	NUT M8	1			
50	4164-67230	STOPPER,LOCK PIN/MVC-T90	1			
51	0012-20620	BOLT 6X20 T	2			
52	0302-06150	SW M6	2			
53	0203-06050	NUT M6	2			
55	4163-51700	LOCK HOLDER,WHEEL/T90	1			
56	4164-66690	LOCK PIN,WHEEL/MVC-T90	1			
57	4584-50880	SPRING 1.2-10-29 /MVH-120	1			
58	4164-67240	LOCK KNOB,WHEEL/MVC-T90	1			
59	0254-03016	SPRING PIN 3X16	1			
61	9524-08960	WASHER 6.5X16X1	2		**	
62	9524-08980	COLLAR 6.2X9X4 ZN	1		**	
63	4194-66670	LOCKWIRE, HANDLE /MVC-T90	1			
70	0012-20625	BOLT 6X25 T	1			
71	0302-06150	SW M6	1			
72	0203-06050	NUT M6	1			

4UH0

SPRINKING EQUIPMENT (OPTION)



2023/10/20

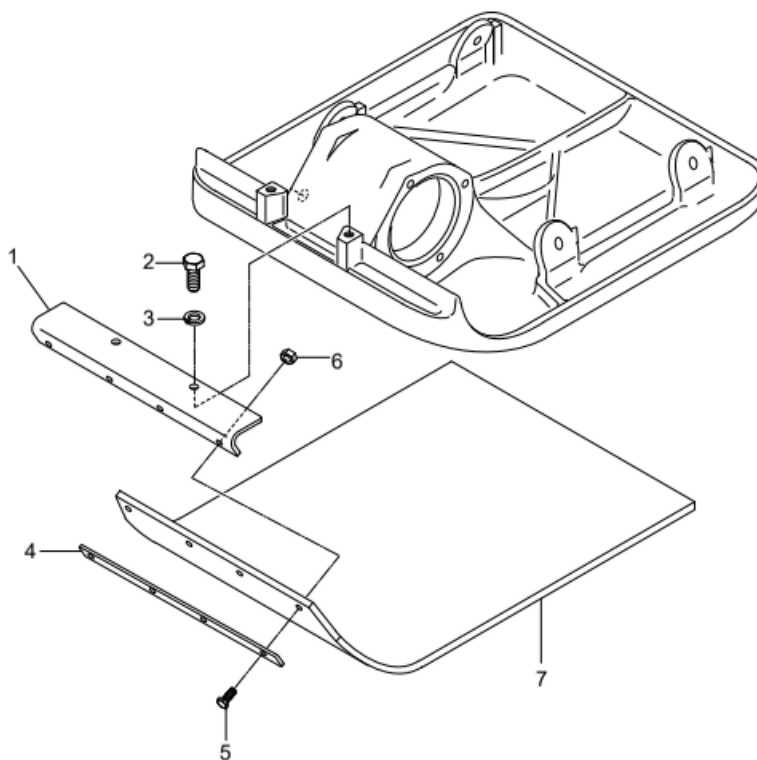
4. SPRINKLING EQUIPMENT(OPTION)

**** 4UH ****

REF NO.	PART NO.	PART NAME	Q'TY	MRK	MK2	REMARKS
1	4169-10110	WATER TANK W/CAP(OR/T90)	1		!PD	ORANGE
1	4169-10130	WATER TANK W/CAP(GR/T90)	1		!PD	GREEN
1	4169-10140	WATER TANK W/CAP(W/T90)	1		!PD	WHITE
2	0339-10050	WASHER 14.5X30X1.6	1			
3	9534-06390	PACKING 13X28X2	1		**	1 OR 2
4	9544-03241	COCK PT1/4, BH-1211(AL)/R	1		SX2	
5	4163-38930	SPRINKLING PIPE /MVC-88	1			
6	4163-38940	PIPE HOLDER (L) /MVC-88	1		SX	
7	4164-52750	PIPE HOLDER (R) /MVC-88	1			
9	0012-20825	BOLT 8X25 T	2			
11	4164-52790	STAY, PIPE HOLDER /MVC-88	1			
12	9543-00343	CAP,WATER TANK(NBR)	1		SX2	
13	0012-41030	BOLT 10X30 U	1			
14	0339-10160	PW M10(SUS)	2			
15	0229-10270	NYLOC NUT M10(SUS)	1			
16	0311-08160	PW M8	1			

4UI0

BLOCK PLATE (OPTION)



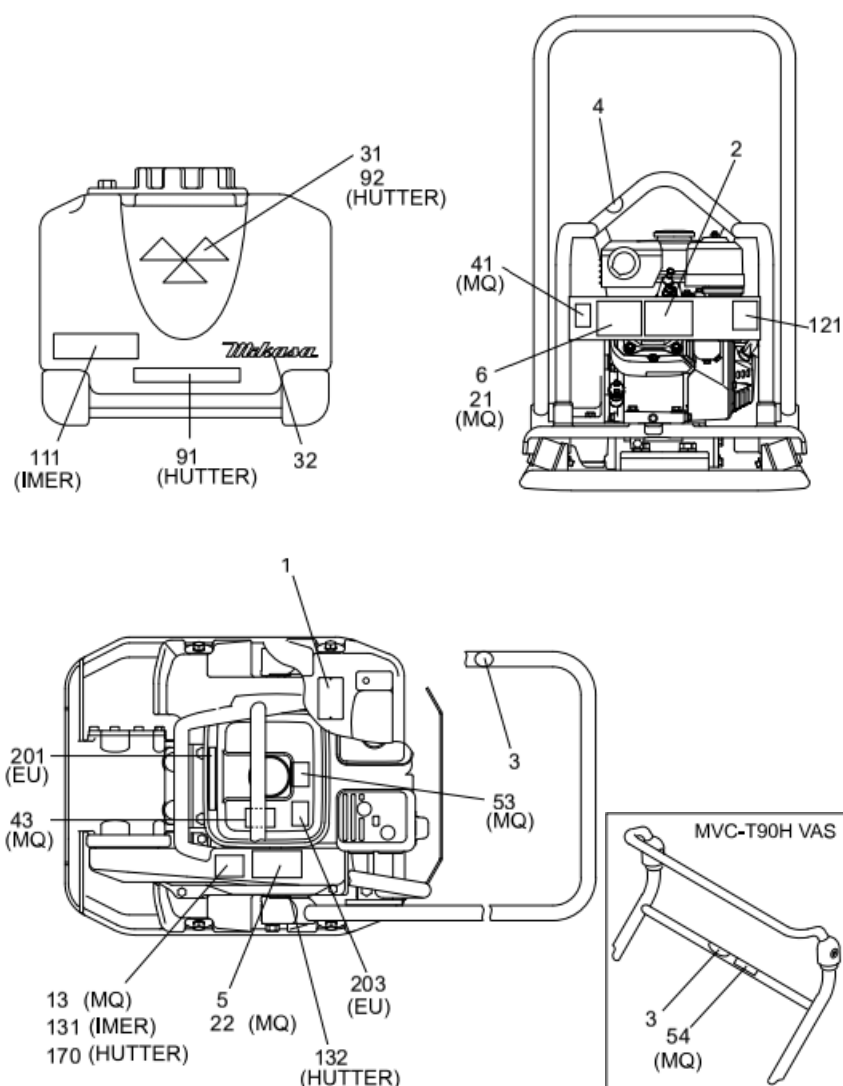
5. BLOCK PLATE(OPTION)

** 4UI **

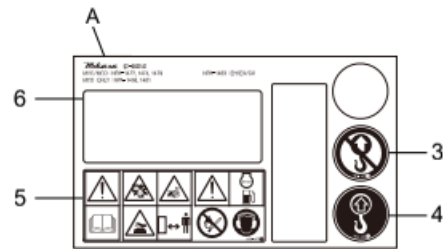
REF NO.	PART NO.	PART NAME	Q'TY	MRK	MK2	REMARKS
1	4163-52080	HANGER(BLOCK PLATE)/T90	1		SS!PD	T90H VAS
2	0012-21230	BOLT 12X30 T	2			T90H VAS
3	0302-12300	SW M12	2			T90H VAS
4	4163-52090	PLATE (BLOCK PLATE)/T90	1		SS!PD	T90H VAS
5	0012-20835	BOLT 8X35 T	4			T90H VAS
6	0227-10809	NYLON NUT M8	4			T90H VAS
7	4163-42390	RUBBER MAT(BLOCK PLATE)	1	PD	!PD	NON-SALE

4UJ0

NAME PLATES



“A” decal includes 3~6.



2023/10/20

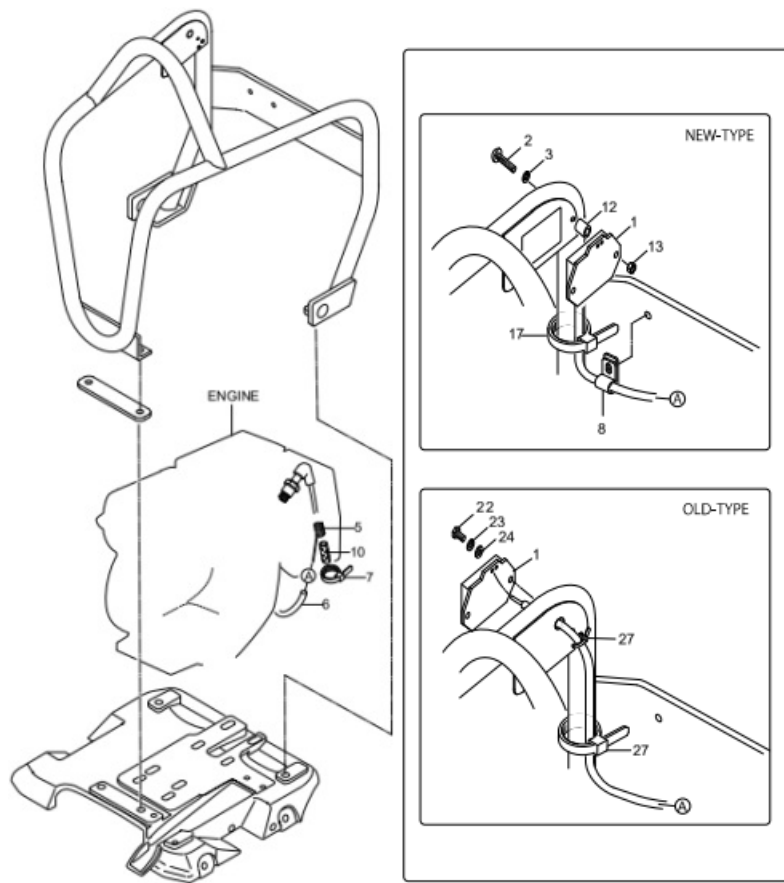
6. NAME PLATES

**** 4UJ ****

REF NO.	PART NO.	PART NAME	Q'TY	MRK	MK2	REMARKS
A	9209-00090	DECAL,SET/MVC-MCD/EXP,EU	1		**	INCL.3-6
1	9202-21410	SERIAL NO. PLATE/T90H/5CE	1			5LANGUAGES
1	9202-21420	SERIAL NO. PLATE/T90HVAS5	1			5LANGUAGES
2	9202-18170	DECAL,POSITION,APO./T90	1		**	
3	9202-14730	DECAL,DO NOT LIFTING	1	SET	!R0449	9209-00090
4	9202-14740	DECAL,LIFTING POSITION	1	SET	!R0449	9209-00090
5	9202-14790	DEAL,CAUTION ICONS	1	SET	!!9209	9209-00090
6	9202-14800	DECAL,ENGINE HANDLING /GS	1	SET	!9209-	9209-00090
13	9202-08350	DECAL,V-BELT RPF3330	1		**	
21	9202-18750	DECAL, CAUTION	1			MQ
22	9202-18740	DECAL, CAUTION	1			MQ
31	9201-01410	DECAL, MIKASA MARK 120X60	1			
32	9201-14000	DECAL,MIKASA(125MM)BLACK	1		**	
41	9202-06290	DECAL,CAUTION(MANUAL/EXP	1			MQ
43	9202-12320	DECAL,FUEL CAUTION/MVC	1			MQ
53	9202-18770	DECAL,E/G FIRE WARNING	1			MQ
54	9202-20740	DECAL HANDLE AY/CAUTION	1			MQ
91	9202-15500	DECAL, HUTTER 30 X 140	1			HUTTER
92	9202-11220	DECAL, HUTTER MARK D60	1			HUTTER
111	9202-07820	DECAL, IMER	1		SS!0JH	IMER
121	9202-10330	DECAL,EC NOISE REQ.LWA105	1			
131	9202-18190	DECAL, HUTTER 40X230/T90H	1			HUTTER
201	87519-Z4H-010	MARK,OP-CAUTION(PICTO)	1			EU GX160
203	87539-Z4M-800	MARK.EX.CAUTION(PICTOGRAP	1			EU GX160

4YN0

TACHO&HOUR METER (OPTION)



2023/10/20

7. TACHO&HOUR METER(OPTION)

**** 4YN ****

REF NO.	PART NO.	PART NAME	Q'TY	MRK	MK2	REMARKS
1	9550-10319	TP-22 TACHO/HOUR METER	1			
2	0091-10101	PAN HEAD SCREW 5X25	2			
3	0302-05130	SW M5	2			
5	9550-10310	CURL CORD/L340/88VTH	1		**	
6	9590-26822	RUBBER TUBE / D4.5-230	1		**	
7	5070-10110	CLAMP AB200-W	1		SX2	
10	9550-10307	CLIP BELT/TP-22	1		**	
11	4169-10170	GUARD,HOOK CP/T90H	1			
12	9524-09910	COLLAR 6.5X10.5X12.7	2		**	
13	0203-05040	NUT M5	2			
17	5070-10110	CLAMP AB200-W	1		SX2	
22	0012-20510	BOLT 5X10 T	2			
23	0302-05130	SW M5	2			
24	0311-05080	PW M5	2			
27	5070-10110	CLAMP AB200-W	2		SX2	

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ABN 80 069 961 968

This manual summarises our best knowledge of the product based on the information available at the time of publication. You should read this manual carefully and consider the information in the context of how the product will be used. Our responsibility for products sold is subject to our standard terms and conditions of sale.

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FOR MORE INFORMATION
CONTACT US ON 1300 353 986 OR VISIT flextool.com.au



Documents / Resources

	mikasa MVC-T90H Forward Plate Compactor [pdf] User Manual MVC-T90H, MVC-T90H VAS, MVC-T90H Forward Plate Compactor, Forward Plate Compactor, Plate Compactor, Compactor
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References

- [🔗 Concrete Equipment and Tools - From Site Preparation to Surface Preparation | Flextool](#)
- [User Manual](#)

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