



Spare Parts List
(No Pricing Shown)
for
Hand Pallet Truck

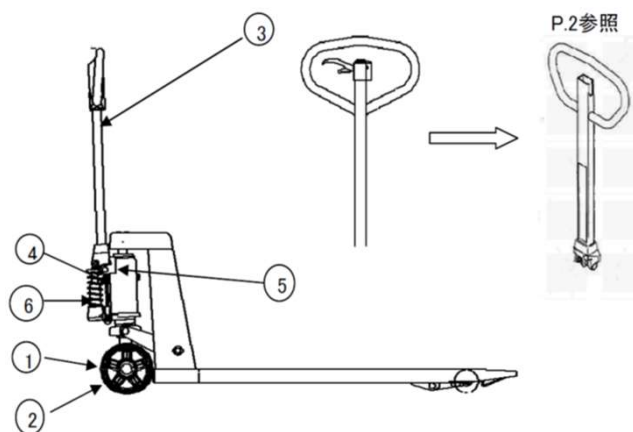
Model BM30 Series

For the units produced after July 2003

Applicable Model :

BM30SS	BM30S	BM30M
BM30L	BM30E	BM30D
BM30G	BM30C	BM30F
BM30LL	BM30L3	

Model Change History



BM20, BM25, BM30

No.	Production Period	How to Distinguish	Applicable Parts	Parts Supply
①	~ April 1990	Steering Wheel - $\Phi 200$	All Parts	Supply was discontinued
②	May 1990 ~ June 2003	- Steering Wheel - $\Phi 180$ - Handle - Round Pipe	Steering Wheel & Steering Wheel Axle	Can be replaced with Assy Parts (Refer Page 5C)
③			Steel Handle Assy	Can be replaced with Current Handle Assy. (Parts can be supplied)
④			Hyd. Unit Assy	Can be replaced with Current Hyd. Unit Assy. (Parts can be supplied)
⑤	Feb. 2013 ~	- Steering Wheel - $\Phi 175$ - Pressure Roller Width changed	Handle Weldment	Interchangeable

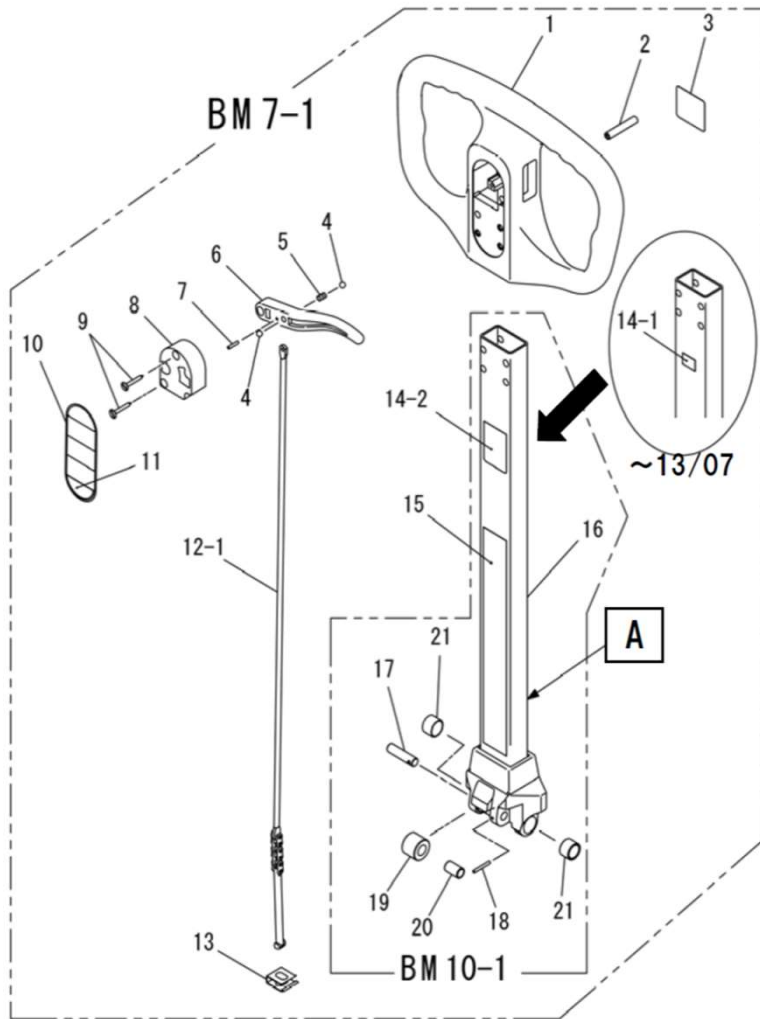
Hand Pallet Truck - Model & Standard Model Specification Chart

Parts List No.	Model No.	characteristics	Fork Outer Width	Fork Length	Minimum Height	Width of each Fork	Size of Steering Wheel	Size of Fork Wheel	U Packing (Seal) size
②	BM12S3-L50	• Minimum Height-50mm • Capacity - 1200kgs.	520	600	50	153	Φ175x63	Φ50x98	20 x 35
	BM12SS-L50			810					
	BM12S-L50			980					
	BM12M-L50			1,070					
	BM12L-L50			1,150					
	BM12E-L50			1,220					
	BM12D-L50		685	810					
	BM12G-L50			980					
	BM12C-L50			1,070					
	BM12F-L50			1,150					
	BM12LL-L50			1,220					
④	BM20S3	BM20 and BM25 can be identified by ①Fork Thickness and ②Push Rod Size	520	600	80	153	Φ175x63	Φ80x100	20 x 35
	BM20SS			810					
	BM20S			980					
	BM20M			1,070					
	BM20L			1,150					
	BM20E			1,220					
	BM20D		685	810					
	BM20G			980					
	BM20C			1,070					
	BM20F			1,150					
	BM20LL			1,220					
	BM20L3			1,400					
	BM20-60SS	Fork Outer Width is special size	600	810					
	BM20-60S			980					
	BM20-60M			1,070					
	BM20-60L			1,150					
	BM20-60LL			1,220					
	BM20-40M		400	1,070					
	BM20-80M		800	1,070					
	BM25SS	BM20 and BM25 can be identified by ①Fork Thickness and ②Push Rod Size	520	810	80	153	Φ175x63	Φ80x100	20 x 40
	BM25SS			980					
	BM25M			1,070					
	BM25L			1,150					
	BM25E			1,220					
	BM25D		685	810					
	BM25G			980					
	BM25C			1,070					
	BM25F			1,150					
	BM25LL			1,220					
	BM25L3			1,400					
	BM15S3-L65	• Minimum Height-65mm • Capacity - 1500kgs.	520	600	65	153	Φ175x63	Φ65x100	20 x 35
	BM15SS-L65			810					
	BM15S-L65			980					
	BM15M-L65			1,070					
	BM15L-L65			1,150					
	BM15E-L65		685	1,220					
	BM15D-L65			810					
	BM15G-L65			980					
	BM15C-L65			1,070					
	BM15F-L65			1,150					
	BM15LL-L65			1,220					
	BM15L3-L65			1,400					
	BM25SS-L65	• Minimum Height-65mm • Capacity - 2500kgs.	685	810	65	153	Φ175x63	Φ65x100	20 x 40
	BM25S-L65			980					
	BM25M-L65			1,070					
	BM25L-L65			1,150					
	BM25E-L65			1,220					
	BM25D-L65			810					
	BM25G-L65			980					
	BM25C-L65			1,070					
	BM25F-L65			1,150					
	BM25LL-L65			1,220					
	BM25L3-L65			1,400					
Parts List No.	Model No.	characteristics	Fork Outer Width	Fork Length	Minimum Height	Width of each Fork	Size of Steering Wheel	Size of Fork Wheel	U Packing (Seal) size
⑤	BM30SS	• Bogie Wheels • Capacity - 3000kgs.	520	810	83	153	Φ175x63	Φ80x71	20 x 40
	BM30S			980					
	BM30M			1,070					
	BM30L			1,150					
	BM30E			1,220					
	BM30D		685	810					
	BM30G			980					
	BM30C			1,070					
	BM30F			1,150					
	BM30LL			1,220					
	BM30L3			1,400					
⑥	BM10S3-L40	• Minimum Height-40mm • Bogie-Wheels(Double) • Capacity - 1000kgs.	520	600	40	153	Φ150x38	Φ40x50 (Bogie)	20 x 35
	BM10SS-L40			810					
	BM10S-L40			980					
	BM10M-L40			1,070					
	BM10L-L40			1,150					
	BM10E-L40		685	1,220					
	BM10D-L40			810					
	BM10G-L40			980					
	BM10C-L40			1,070					
	BM10F-L40			1,150					
	BM10LL-L40			1,220					
⑩	BMRP10-L50	For 4 Way Pallet	685	1,400	50	153	Φ175x63	Φ50x98	20 x 35

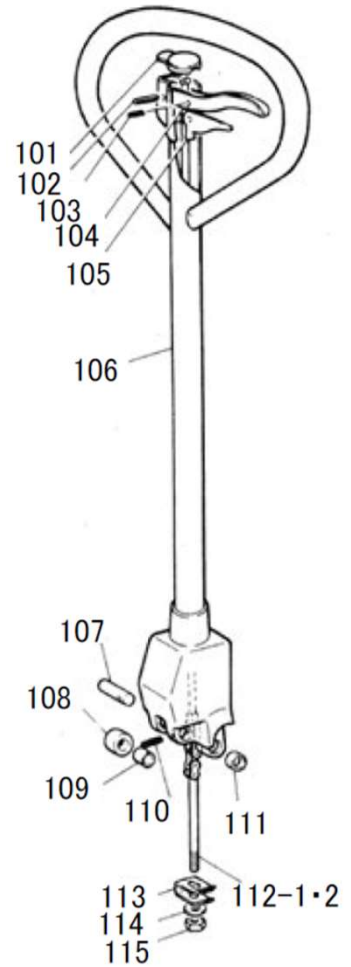
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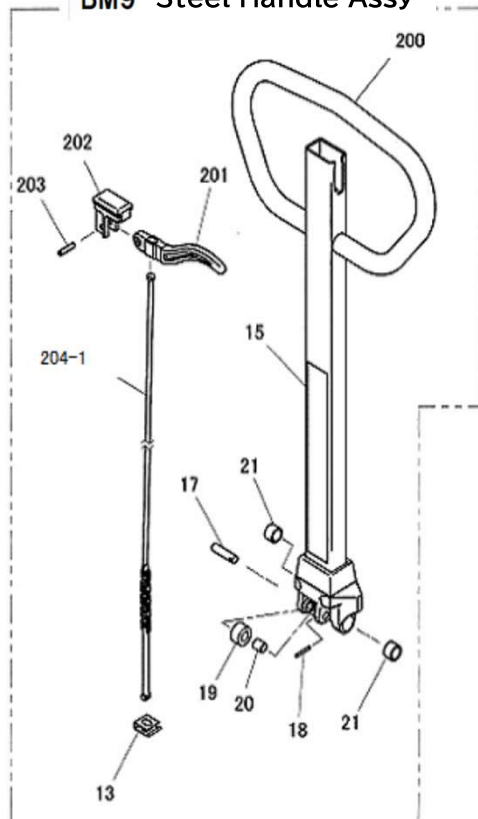
Handle Parts and Components



(Old type Handle)



BM9 Steel Handle Assy



(Old type Handle)

Old type Handle is round pipe made (Before March 2003).
Refer to the parts list of Old type Handle.

Ill.No.	Parts No.	Parts Name	Note	Qty/Unit	Price/ea.
BM7-1-7	02111220	Handle Assy (Plastic-Gray Color)	(1~10、12~13、15、17~23)	1	
BM9-1	02006580	Handle Assy (Steel)	(Option)	1	
BM10-1	76022210	Handle Weldment	16~21	1	
1	72250180	Handle Set (Gray)	Include 3, 8, 9, 10 Not interchangeable with Old type	1	
2	90980845	Roll Pin	SRP0845	4	
3	52003240	"Bishamon" label	Blue Label	1	
	52002960	"Bishamon" label		1	
4	80843020	Steel Ball	1/4A	2	
5	12250220	Neutral Spring		1	
6	12003944	Control Lever		1	
7	90980315	Roll Pin	SRP0315	1	
8	12250201	Handle Cover		1	
9	90730434	Tapping Screw	3ea. was used before April 2006	2	
10	52003281	Operation Label	Blue Label	1	
	52002981	Operation Label		1	
11-1	52049051	Capacity Label	Capacity - 3000kg.	1	
12-1	76022220	Upper Valve Bar Assy	Use old type for unit before June 2003	1	
13	52003983	Lower Bar Spring		1	
14-1	N/A	Model No. Seal	Not Available for (Before July 2013)	1	
14-2		Model No. Seal	Provide Model No. (After Aug. 2013)	1	
15	52003220	Caution Label		1	
16	N/A	Handle Weldment	Replace with BM10	1	N/A
17	12003853	Pressure Roller Axle	Φ 10-43mm	1	
18	90980325	Roll Pin	SRP0325	1	
19-1	02003843	Pressure Roller Assy	(Incl. 20-1)	1	
19-2	76027945	Pressure Roller Assy	(Incl. 20-2) After 13025001	1	
20-1	81701015	Bushing	70B-1015	1	
20-2	81701020	Bushing	70B-1020 After 13025001	1	
21	81916201	Arm Bushing	16 x 20 x 14	2	

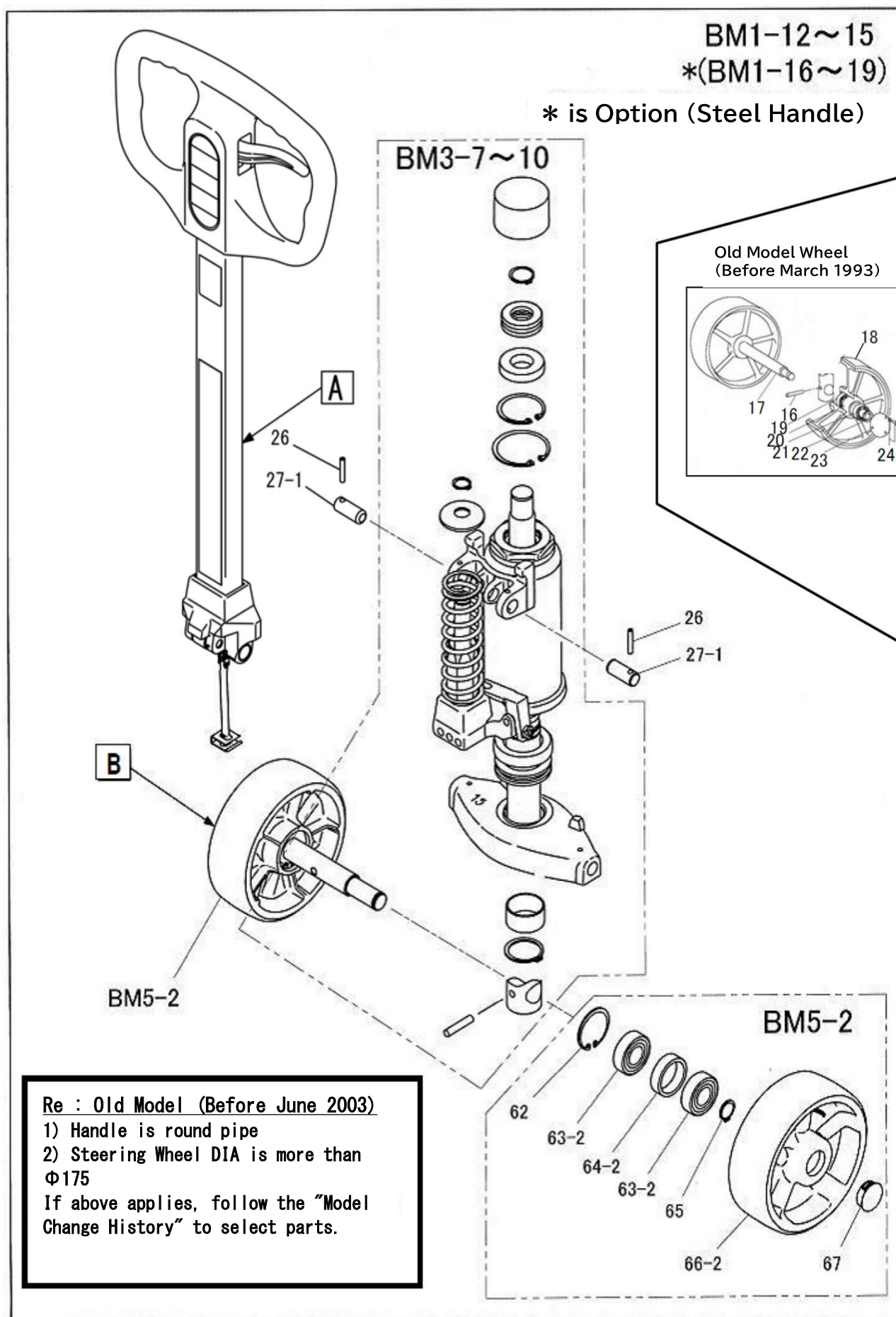
Old Type Handle (Before June 2003)

Ill.No.	Parts No.	Parts Name	Note	Qty/Unit	Price/ea. (J. Yen)
101	52003803	Lever Plate Cap (Red color)		1	
102	90980622	Roll Pin	SRP0622	1	
103	90980514	Roll Pin	SRP0514	1	
104	12003943	Control Lever		1	
105	12003953	Neutral Lever		1	
106	N/A	Handle Weldment		1	N/A
107	12003853	Pressure Roller Axle	Φ 10-43mm	1	
108	02003843	Pressure Roller Assy	With 109	1	
109	81701015	Pressure Roller Bushing	70B-1015	1	
110	90980325	Roll Pin	SRP0325	1	
111	81916201	Handle Bushing	16 x 20 x 14	2	
112	02003865	Upper Valve Bar Assy		1	
113	52003983	Lower Bar Spring		1	
114	90930708	Flat Washer (Not Required if replaced with Upper Valve Bar Assy)	PW08SE (Before Aug. 2001)	1	
115	90931508	Sealed Nut (Not Required if replaced with Upper Valve Bar Assy)	NN08SE (Before Aug. 2001)	1	

Steel Handle

Ill.No.	Parts No.	Parts Name	Note	Qty/Unit	Price/ea. (J. Yen)
200	N/A	Steel Handle Weldment	Replace with BM9	1	N/A
201	12005650	Control Lever (Plastic)		1	
202	12005660	Pipe Cover		1	
203	90980625	Roll Pin	SRP0625	1	
204-1	76021980	Upper Valve Bar Assy	Incl. 201	1	

⑤BM30 Handle & Hyd. Unit (Jack Unit) Assy



⑤BM30 Handle & Hyd. Unit (Jack Unit) Assy

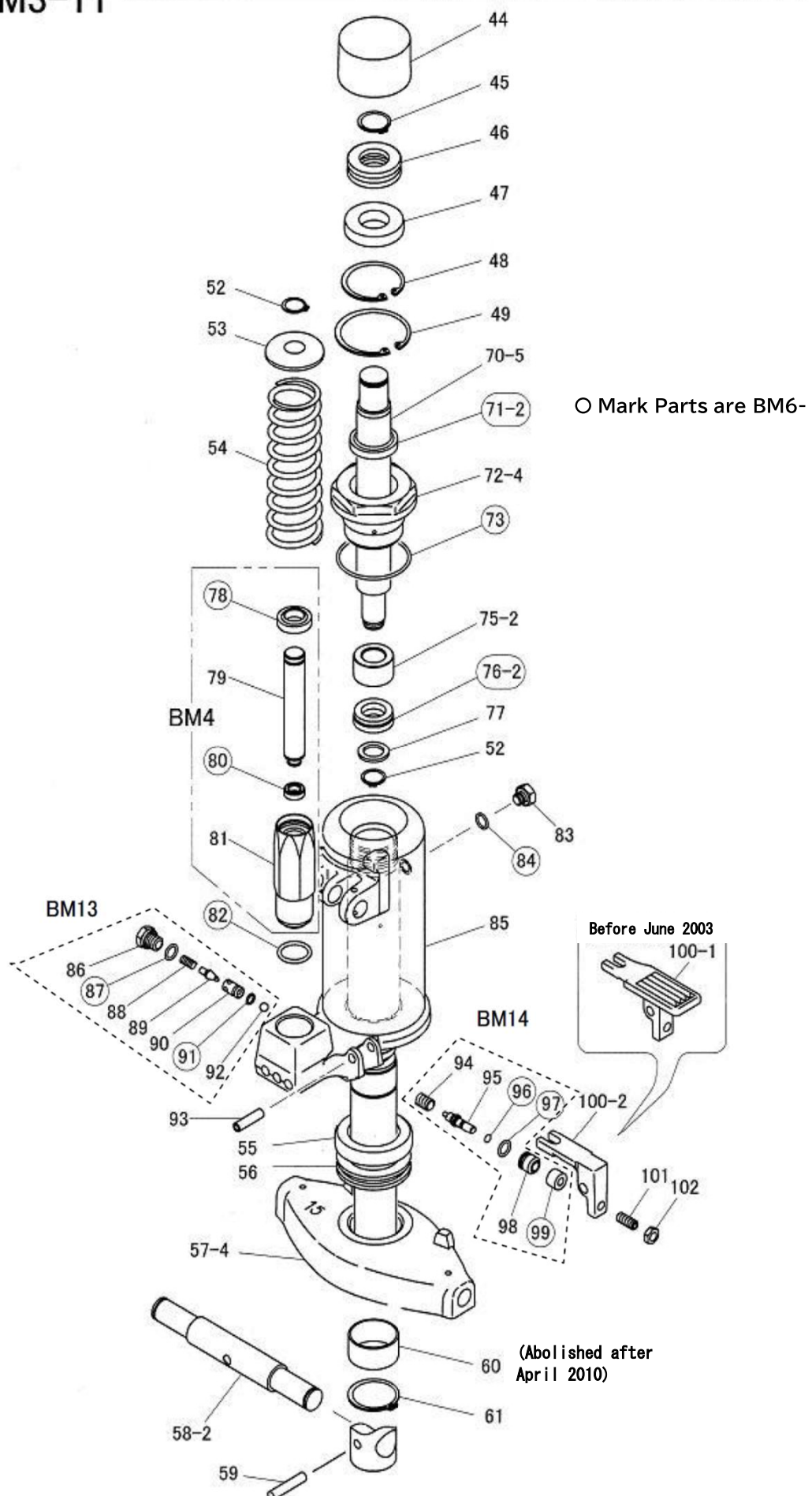
Ill.No.	Parts No.	Parts Name	Note	Qty/Unit	Price/ea.
BM1-20	76022740	Jack Unit Assy with Handle & Wheel	(BM3-11・BM5-2・BM7-1・26・27-1)	1	
BM1-21	76022750	Jack Unit Assy with Steel Handle & Wheel	(BM3-11・BM5-2・BM9-1・26・27-1)	1	
BM3-11	76022800	Jack Unit Assy	Refer to P6, P7	1	
Note : For old model, replacing only Jack Unit Assy(BM3) is not possible. Jack Unit Assy with Handle and Wheel need to be replaced.					
BM5-2	76022160				
A-1	76022000				
A-2	76022050				
A-3	76022060				
C-1	76022300				
C-2	76022170				
C-3	76022180				
C-4	76022190				
26	90820530	Spiral Roll Pin	SSRP0530	2	
27-1	12003915	Crank Pin	Φ16-39.5mm	2	
62	80846030	Snap Ring	RR147	2	
63-2	81046204	Bearing	6204ZZ (not interchangeable for old Model. Need to be replaced by Assy)	4	
64-2	52103690	Bearing Spacer	(not interchangeable for old Model. Need to be replaced by Assy)	2	
65	80845011	Snap Ring	RR020	2	
	24008670				
66-2	24008300	Steering Wheel (Polyurethane)	With Bearing installed	2	
	12008440	Steering Wheel (Nylon)	With Bearing installed	2	
B-1	24008600				
B-2	24008660				
B-3	24008650				
67	98279120	Hub Cap	1187	2	

Old Model Wheel

16	90980845	Roll Pin	SRP0845	1	
17	N/A	Steering Wheel Axle		1	N/A
18	N/A	Steering Wheel V200 (Φ200)	Before April 1990	2	N/A
	N/A	Steering Wheel V180 (Φ180)	After May 1990	2	N/A
19	81036205	Bearing	6205Z	2	
20	52003743	Distance Cap	After June 1986	2	
21	81026304	Bearing	6304	2	
22	80845011	Snap Ring	RR020	2	
23	12003753	Hub Cap		2	
24	90890515	Hex Bolt with Washer	HBS0515SE	6	

⑤BM30 Hyd. Unit (Jack Unit) Assy

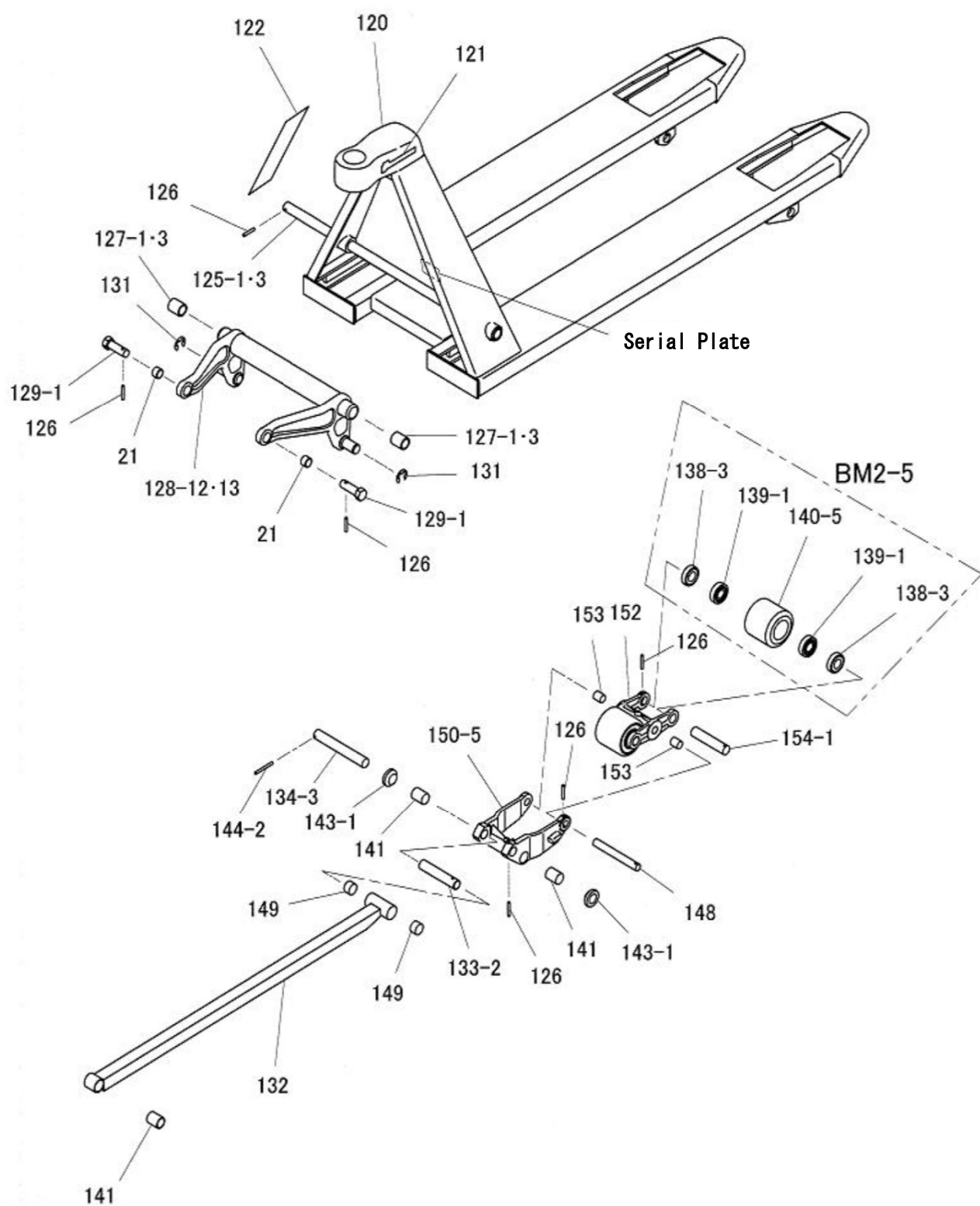
BM3-11



⑤BM30 Hyd. Unit (Jack Unit) Assy

Ill.No.	Parts No.	Parts Name	Note	Qty/Unit	Price/ea.
BM3-11	76022800	Jack Unit Assy	Not Interchangeable(Old→New)	1	
Note : For old model, replacing only Jack Unit Assy(BM3) is not possible. Need to be replaced by Jack Unit Assy (BM1)					
BM4	02003633	Pump Cylinder Assy	(78~81)	1	
BM6-4	52103704	Seal Kit for BM30	(71-2・73・76-2・78・80・82・84・87・91・96・97・99)	1	
BM13	76023210	Lowering Valve Set	86~92	1	
BM14	76023220	Pressure Pin Set	94~99	1	
44	12003604	Bearing Cup		1	
45	80845015	Snap Ring	RR025	1	
46	81251205	Thrust Bearing	51205	1	
47	12003593	Thrust Seat		1	
48	80846031	Snap Ring	RR152	1	
49	80846037	Snap Ring	RR163	1	
52	80848009	Snap Ring	RR018	2	
53	12003653	Thrust Washer		1	
54	52103653	Pressure Spring		1	
55	12003683	Dust Protection		1	
56	81251109	Thrust Bearing	51109	1	
57-4	12013675	Pressure Plate	After April 2010	1	
58-2	12003710	Steering Wheel Axle	Not Interchangeable(Old→New)	1	
59	90980840	Roll Pin	SRP0840	1	
60	81940442	Bearing Bushing	Abolished after April 2010	1	
61	80845025	Snap Ring	RR040	1	
70-5	12049564	Lift Piston		1	
71-2	52103553	Dust Seal	RSD35	1	
72-4	12103554	Top Nut		1	
73	80800128	O Ring	G60	1	
75-2	12013574	Piston Bushing		1	
76-2	52013563	U Packing	UY-40X20X11.5 (Sakagami)	1	
77	12003583	Retainer Washer		1	
78	52003633	Dust Seal	RSD18	1	
79	12003645	Pump Piston		1	
80	52003643	U Packing	GY-18X10X6 (Sakagami)	1	
81	12003633	Pump Cylinder		1	
82	80800023	O Ring	P24	1	
83	12003533	Plug		1	
84	80800260	O Ring	9. 5X3	1	
85	N/A	Jack Weldment		1	N/A
86	12003463	Back Valve Screw		1	
87	80800411	O Ring	JASO-1011	1	
88	52003493	Valve Spring		1	
89	12003473	Lowering Valve		1	
90	12003483	Valve Seat		1	
91	80800005	O Ring	P7	1	
92	80843022	Steel Ball	9/32A	1	
93	90980830	Roll Pin	SRP0830	1	
94	52003463	Back Valve Spring		1	
95	12003493	Pressure Pin		1	
96	80800002	O Ring	P4	1	
97	80800010	O Ring	P11	1	
98	12003503	Steering Bushing		1	
99	52003513	Sealed Rubber		1	
100-1	12003513	Lowering Pedal (Old Model-Red)	Before June 2003	1	
100-2	12302510	Lowering Lever (Gray)		1	
101	90962820	Push Bolt	HSS0820	1	
102	90930308	Hex Nut	HN08 (3) SE	1	

⑤BM30 Frame



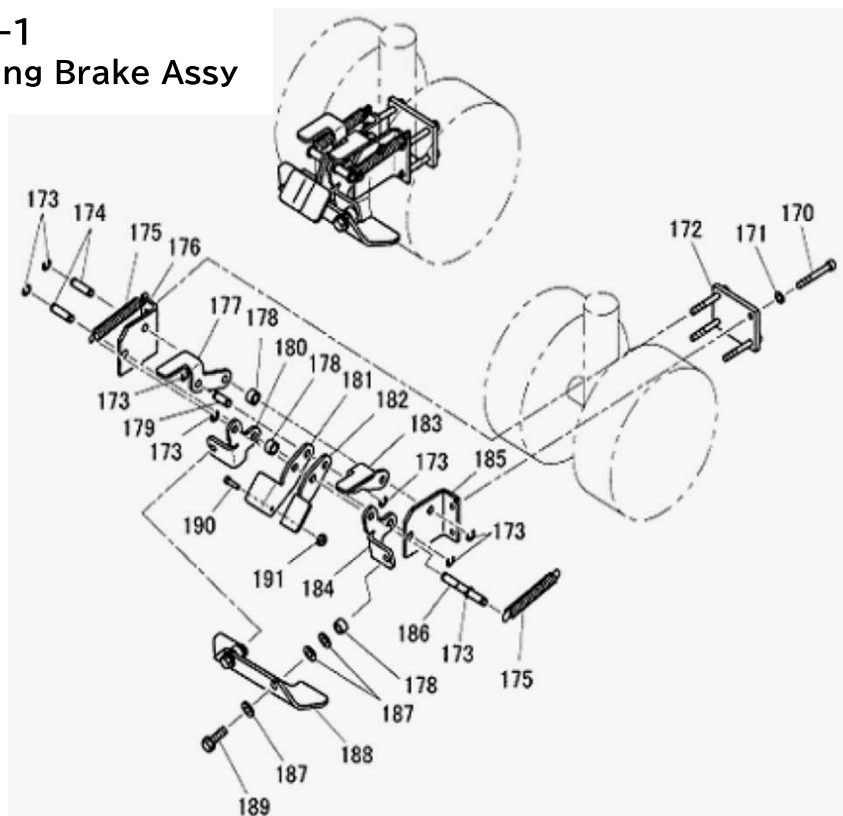
⑤BM30 Frame

Ill. No.	Parts No.	Parts Name	Note	Qty/Unit	Price/ea.
BM2-5	02062323	Bogie Wheel Assy (Black Poly.)	(138-3X2 • 139-1X2 • 140-5)	4	
F-1	76022720	Bogie Wheel Assy Φ80X71 (With Bearing)	Nylon (Option)	4	
F-2	76022770	N/A		4	N/A
F-3	76022780	N/A		4	N/A
21	81916201	Arm Bushing	16X20X14	2	
120	N/A	Frame Weldment		1	N/A
121	52003300	Bishamon Label 100		1	
122	52003034	Bishamon Label 280		1	
125-1	12003243	Torsion Tube Axle (520)	Φ20X481	1	
125-3	12006244	Torsion Tube Axle (685)	Φ22X621	1	
126	90980532	Roll Pin	SRP0532	11	
127-1	81920263	Torsion Tube Bushing (520)		2	
127-3	81922283	Torsion Tube Bushing (685)		2	
128-12	02049630	Torsion Tube Assy (520)	Incl. 21 • 127-1	1	
128-13	02049204	Torsion Tube Assy (685)	Incl. 21 • 127-3	1	
129-1	12003703	Arm Bolt		2	
131	80847015	E Shape Snap Ring	E15	2	
132-18	02016560	Push Rod Assy (25 Square Rod, Center Distance- 594)	BM30SS/BM30D	2	
132-19	02016660	Push Rod Assy (25 Square Rod, Center Distance- 764)	BM30S/BM30G	2	
132-20	02013264	Push Rod Assy (28 Square Rod, Center Distance- 854)	BM30M/BM30C	2	
132-21	02016700	Push Rod Assy (28 Square Rod, Center Distance- 934)	BM30L/BM30F	2	
132-44	02016263	Push Rod Assy (28 Square Rod, Center Distance-1000)	BM30E/BM30LL	2	
132-45	76022820	Push Rod Assy	BM30L3	2	
133-2	12003293	Push Rod Axle	Φ20X104	2	
134-3	12003314	Wheel Fork Axle	Φ20X148	2	
138-3	52003323	Bearing Cap	Not Required for Nylon Bogie Wheel	8	
139-1	81046004	Bearing	6004ZZ	8	
140-5	24008730	N/A		4	N/A
	24008320	Bogie Wheel Φ80X71	With Bearing installed	4	
G-1	12062333	Bogie Wheel Φ80X71 Nylon	With Bearing installed	4	
G-2	24008720	N/A		4	N/A
G-3	24008710	N/A		4	N/A
141	81920243	Wheel Fork Bushing	20. 4X24X30	6	
143-1	12003343	Space Wheel		4	
144-2	90980550	Roll Pin	SRP0550	2	
148	12049373	Bogie Wheel Axle		2	
149	81920241	Push Rod Bushing	20. 2X24X15	4	
150-5	02049303	Wheel Fork Assy	Incl. 141	2	
152	02049363	H Link Assy	Incl. 153	2	
153	81615172	#80 Bushing	80B-1520 (Oiles)	4	
154-1	12032333	Bogie Wheel Axle	Φ20X96	4	

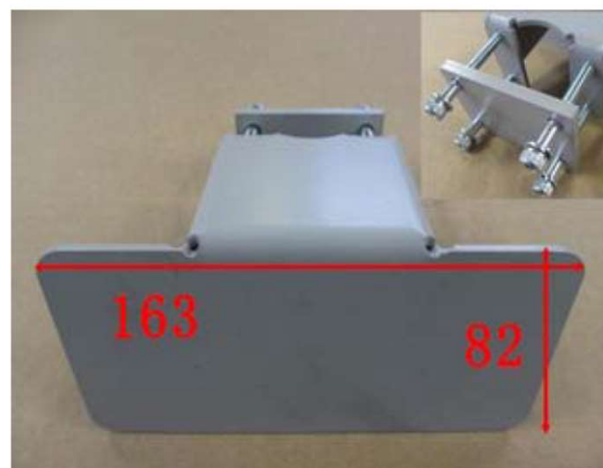
⑪ Option (Parking Brake and Foot Guard)

BM8-1

Parking Brake Assy



BM8-2 Parking Brake with Foot Guard



BM8-3 Foot Guard Assy

⑪ Option (Parking Brake and Foot Guard)

Ill.No.	Parts No.	Parts Name	Note	Qty/Unit	Price/ea.
BM8-1	24009004	Parking Brake Assy	(170-191) Gray-Φ175	1	
BM8-3	02005803	Parking Brake Assy	Old Model Φ180 (Only Assy)	1	
BM-8-2-1	02006981	Parking Brake Assy with Foot Guard	Gray-Φ175	1	
BM-8-3-1	76026520	Foot Guard Assy for Φ175	Only Steering Wheel Cover (Z2-333)	1	
BM-8-3-3	76026540	Foot Guard Assy for Φ180	Only Steering Wheel Cover (Z2-529)	1	
170	90920652	Hex Socket Head Cap Bolt	HSB0650SE	4	
171	90930506	Spring Washer	SW06SE	4	
172	12005750	Support Center A		1	
173	80847009	E Shape Snap Ring	E6SE	8	
174	12005721	Brake Pin M		2	
175	52005534	Brake Return Spring		2	
176	12005760	Support Side R		1	
177	12005780	Brake Pedal R		1	
178	12005710	Pedal Collar		4	
179	12005731	Brake Pin S		1	
180	12005820	Brake Arm R		1	
181	12005800	Lock Pedal R		1	
182	12005810	Lock Pedal L		1	
183	12005790	Brake Pedal L		1	
184	12005830	Brake Arm L		1	
185	12005770	Support Side L		1	
186	12005740	Brake Pin L		1	
187	90930708	Flat Washer	PW08SE	6	
188-1	12005702	Brake Angle	For Φ175 (BM20)	1	
189	90890825	Hex Bolt with Washer	HBS0825SE	2	
190	90920416	Hex Socket Head Cap Bolt	HSB0416	1	
191	90932704	Hex U Nut	HUN04SE	1	