

# Spare Parts List

## For

### Hand Pallet Truck

(Blue Label)

### 4 Ton and 5 Ton Model

(Units Produced after Jan. 2016)

BM40M、BM40LL、BM40L5  
BM50L4、BM50L6、BM50L7

## Without Pricing

## Contents

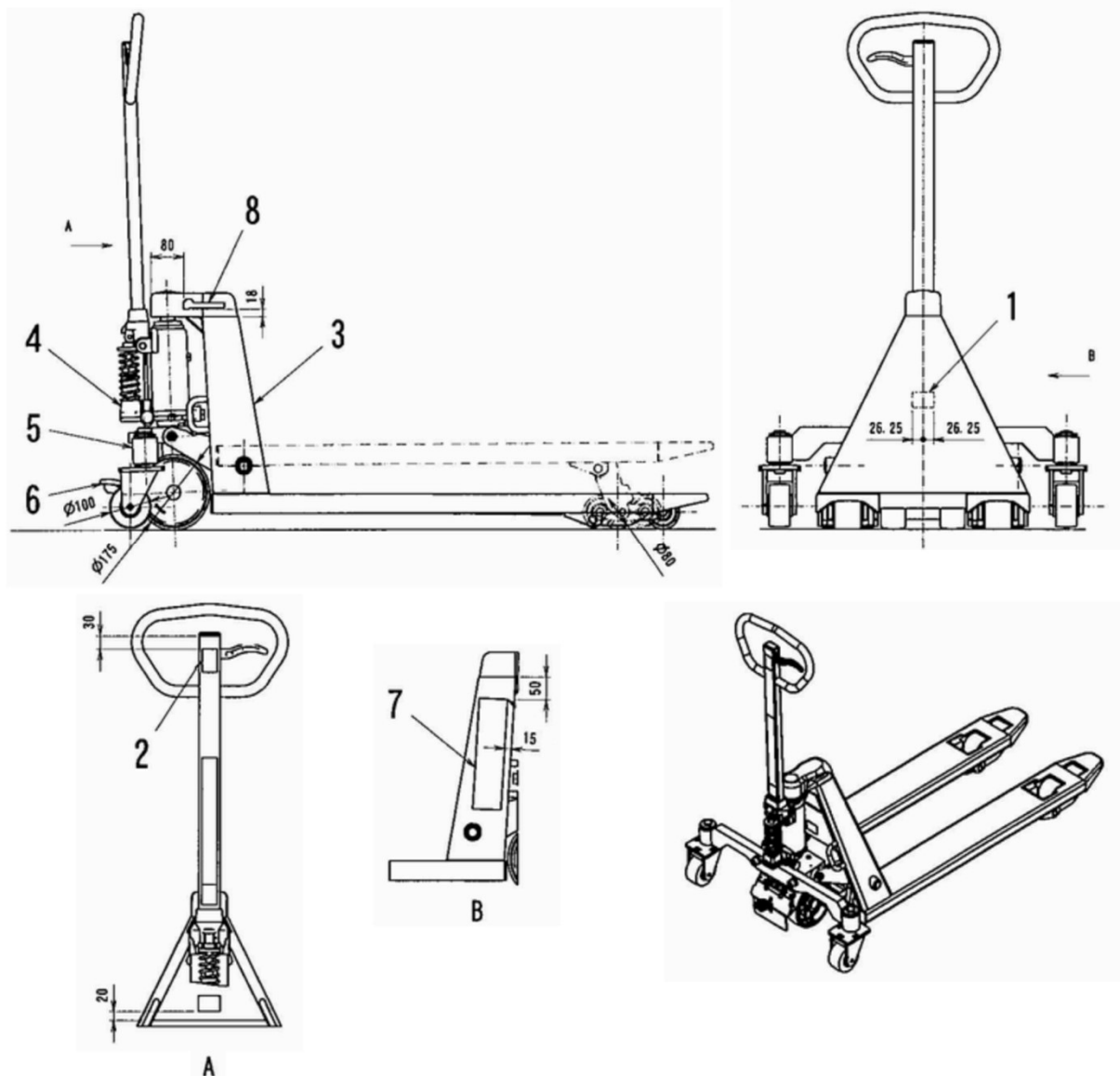
(Page)

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# BM40M/40LL/40L5 Assembly Drawing



Drawing No. 1 - Name Plate



Drawing No. 2 - Model No. Label



Drawing No. 7 - "Bishamon" Label 280



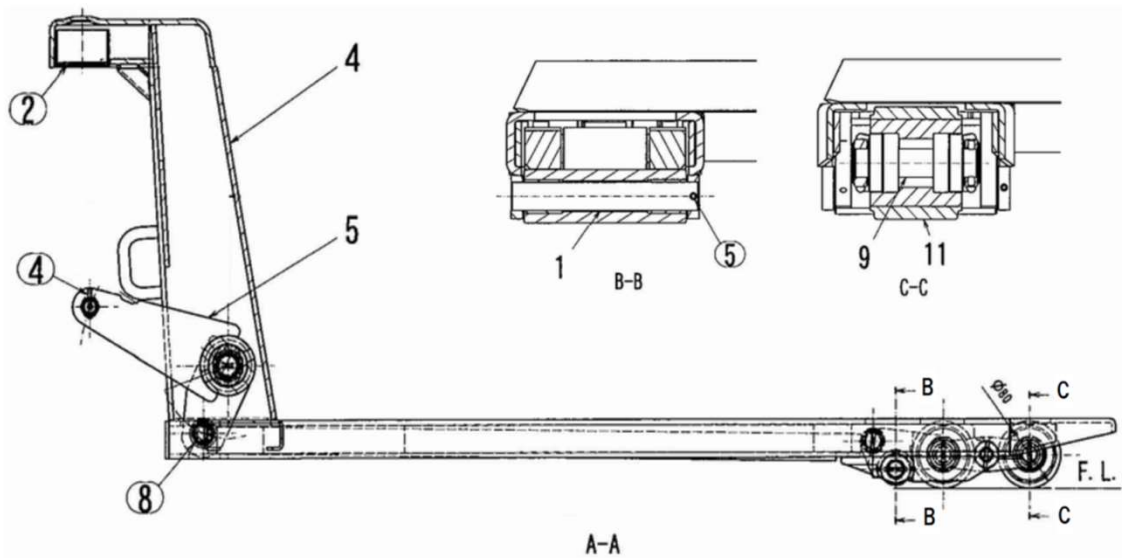
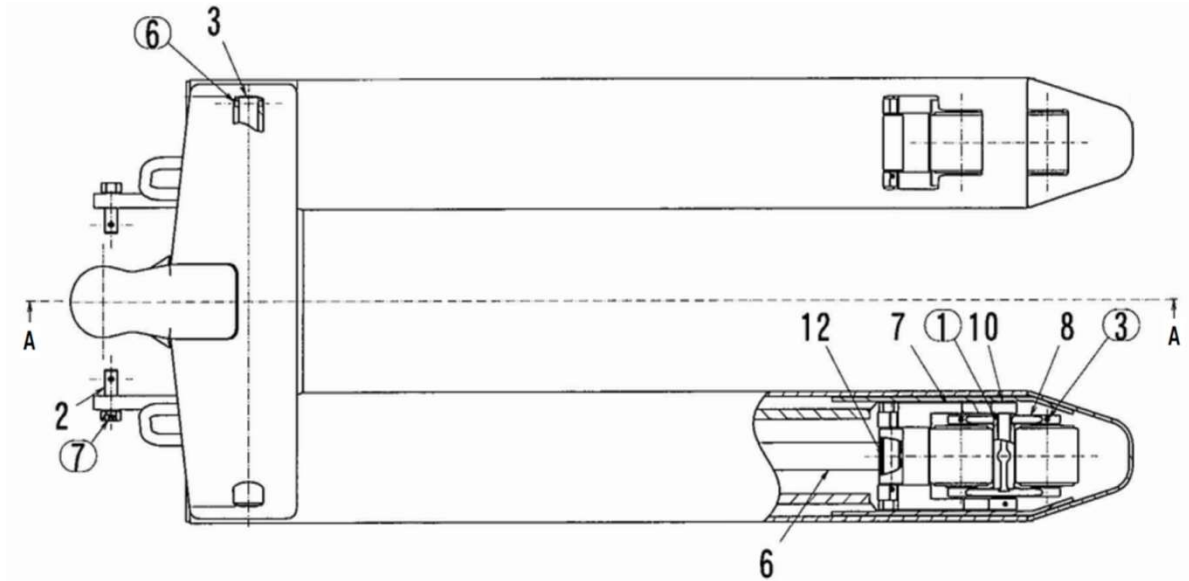
Drawing No. 8 - "Bishamon" Label 100



## BM40M/40LL/40L5

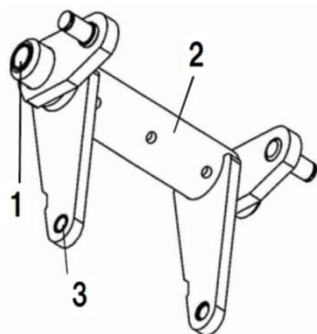
| Ill. No. | Parts No. | Parts Name                       | Spec. & Note | 40M | 40LL | 40L5 | Price/ea. |
|----------|-----------|----------------------------------|--------------|-----|------|------|-----------|
| 1M       | Ask       | Serial Plate (Name Plate)        |              | 1   |      |      | Ask       |
| 1LL      | Ask       | Serial Plate (Name Plate)        |              |     | 1    |      | Ask       |
| 1L5      | Ask       | Serial Plate (Name Plate)        |              |     |      | 1    | Ask       |
| 2M       | Ask       | Model No. Label                  |              | 1   |      |      | Ask       |
| 2LL      | Ask       | Model No. Label                  |              |     | 1    |      | Ask       |
| 2L5      | Ask       | Model No. Label                  |              |     |      | 1    | Ask       |
| 3M       | N/A       | Frame Assy                       |              | 1   |      |      | N/A       |
| 3LL      | N/A       | Frame Assy                       |              |     | 1    |      | N/A       |
| 3L5      | N/A       | Frame Assy                       |              |     |      | 1    | N/A       |
| 4M       | 02247220  | Pump Unit Assy                   |              | 1   |      |      |           |
| 4LL      | 02248180  | Pump Unit Assy                   |              |     | 1    |      |           |
| 5        | 02247300  | Auxiliary (Outrigger) Wheel Assy |              |     | 1    |      |           |
| 6        | 02247360  | Parking Brake Assy               |              |     | 1    |      |           |
| 7        | 52003035  | Bishamon Label 280               |              |     | 1    |      |           |
| 8        | 52003300  | Bishamon Label 100               |              |     | 1    |      |           |
|          |           |                                  |              |     |      |      |           |

BM40M/40LL/40L5  
Drawing No. 3 Frame Assy

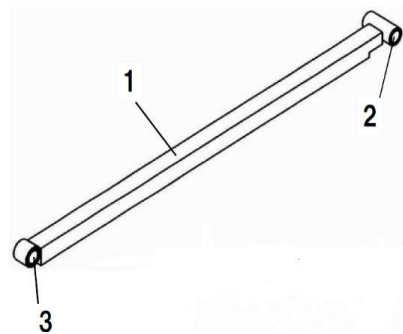


Drawing No. 3-5 Torsion Tube Assy

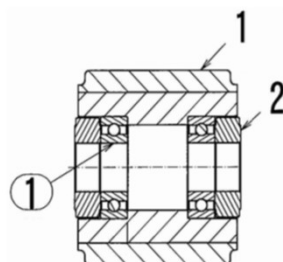
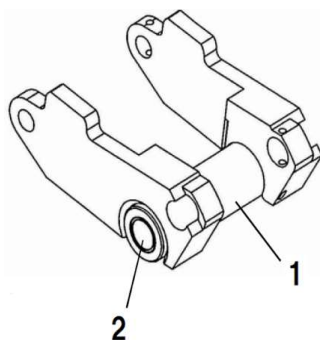
Drawing No. 3-6 Push Rod Assy



Drawing No. 3-7 Wheel Fork Assy



Drawing No. 3-11 Bogie Wheel Assy

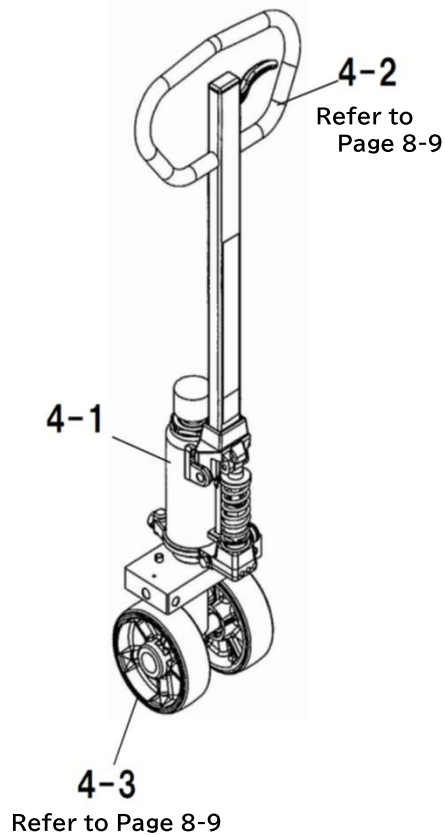


**BM40M/40LL/40L5**

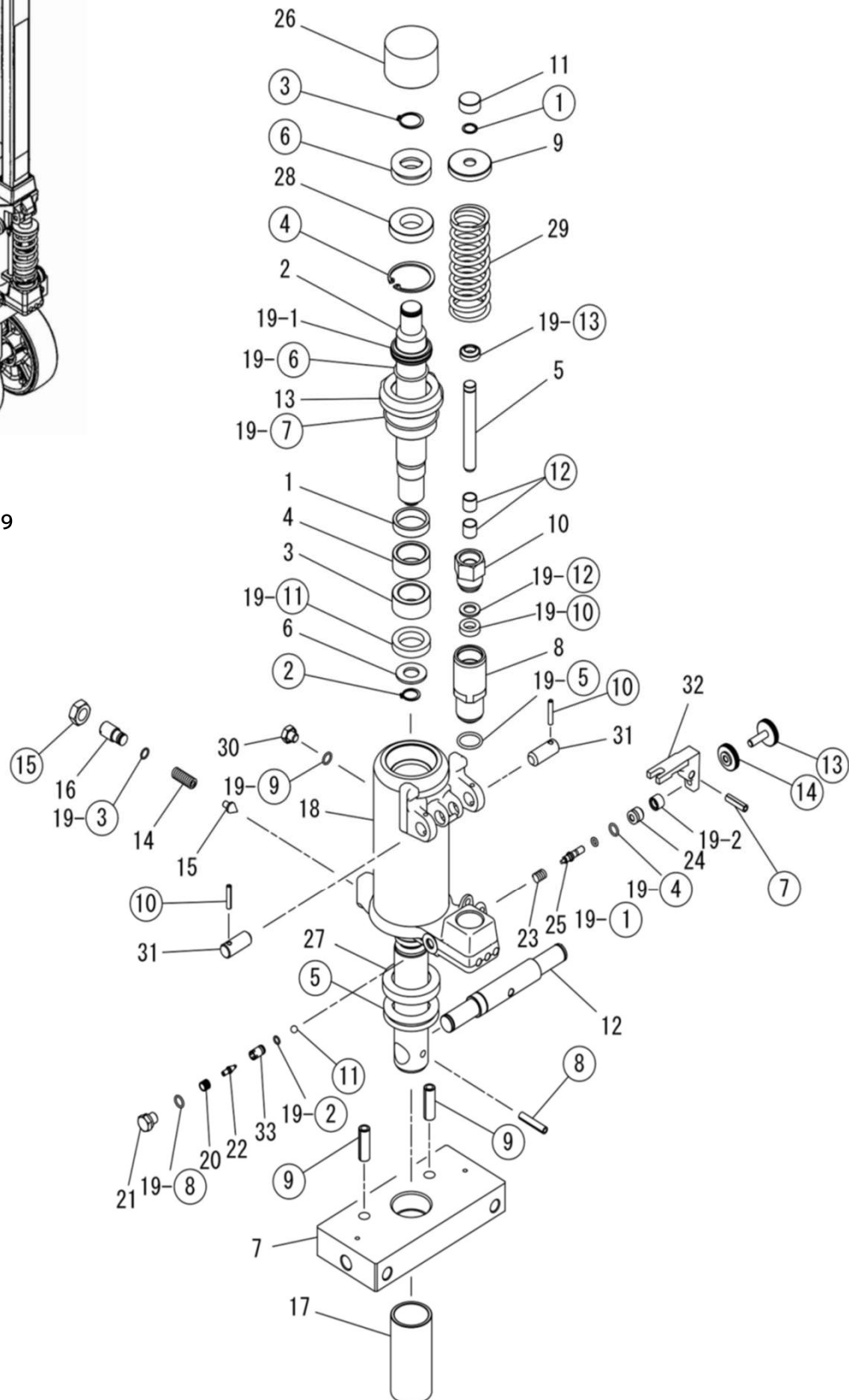
| Ill. No. | Parts No. | Parts Name                            | Spec. & Note    | 40M | 40LL | 40L5 | Price/ea. |
|----------|-----------|---------------------------------------|-----------------|-----|------|------|-----------|
| 3M       | N/A       | Frame Assy                            |                 | 1   |      |      | N/A       |
| 3LL      | N/A       | Frame Assy                            |                 |     | 1    |      | N/A       |
| 3L5      | N/A       | Frame Assy                            |                 |     |      | 1    | N/A       |
| 3-1      | 12792040  | Wheel Fork Axle                       | Φ20-146         |     | 2    |      |           |
| 3-2      | 12792060  | Arm Bolt                              |                 |     | 2    |      |           |
| 3-3M     | 12792080  | Torsion Tube Axle                     | Φ25-481         | 1   |      |      |           |
| 3-3LL    | 12793840  | Torsion Tube Axle                     | Φ25-621         |     | 1    |      |           |
| 3-4M     | N/A       | Frame                                 |                 | 1   |      |      | N/A       |
| 3-4LL    | N/A       | Frame                                 |                 |     | 1    |      | N/A       |
| 3-4L5    | N/A       | Frame                                 |                 |     |      | 1    | N/A       |
| 3-5M     | 02247100  | Torsion Tube Assy                     |                 | 1   |      |      |           |
| 3-5LL    | 02248100  | Torsion Tube Assy                     |                 |     | 1    |      |           |
| 3-5-1    | 12792380  | Torsion Tube Bushing                  |                 |     | 2    |      |           |
| 3-5-2M   | N/A       | Torsion Tube                          | Replace by Assy | 1   |      |      | N/A       |
| 3-5-2LL  | N/A       | Torsion Tube                          | Replace by Assy |     | 1    |      | N/A       |
| 3-5-3    | 81916201  | Arm Bushing                           |                 |     | 2    |      |           |
| 3-6M     | 02247140  | Push Rod Assy                         |                 | 2   |      |      |           |
| 3-6LL    | 02248140  | Push Rod Assy                         |                 |     | 2    |      |           |
| 3-6L5    | 02248580  | Push Rod Assy                         |                 |     |      | 2    |           |
| 3-6-1M   | N/A       | Push Rod                              | Replace by Assy | 2   |      |      | N/A       |
| 3-6-1LL  | N/A       | Push Rod                              | Replace by Assy |     | 2    |      | N/A       |
| 3-6-1L5  | N/A       | Push Rod                              | Replace by Assy |     |      | 2    | N/A       |
| 3-6-2    | 81920243  | Wheel Fork Bushing (Powder Bushing)   | 20. 4X24X30     |     | 4    |      |           |
| 3-6-3    | 81922283  | Torsion Tube Bushing (Powder Bushing) | 22. 2X28X30     |     | 2    |      |           |
| 3-7      | 02247180  | Wheel Fork Assy                       |                 |     | 2    |      |           |
| 3-7-1    | N/A       | Wheel Fork                            | Replace by Assy |     | 2    |      | N/A       |
| 3-7-2    | 81920243  | Wheel Fork Bushing (Powder Bushing)   | 20. 4X24X30     |     | 4    |      |           |
| 3-8      | 12049363  | Bogie Wheel Fork                      |                 |     | 2    |      |           |
| 3-9      | 12032333  | Bogie Wheel Axle                      | Φ20-96          |     | 4    |      |           |
| 3-10     | 12049373  | Bogie Wheel Fork Axle                 | Φ15-126         |     | 2    |      |           |
| 3-11     | 02032100  | Bogie Wheel Assy                      |                 |     | 4    |      |           |
| 3-11-1   | N/A       | Bogie Wheel                           | Replace by Assy |     | 4    |      | N/A       |
| 3-11-2   | 52003323  | Bearing Cap                           |                 |     | 8    |      |           |
| 3-11-①   | 81046004  | Bearing                               | 6004ZZ          |     | 8    |      |           |
| 3-12     | 12003293  | Push Rod Axle                         |                 |     | 2    |      |           |
| 3-①      | 81615172  | #80 Bushing                           | Φ80-1520        |     | 4    |      |           |
| 3-②      | 80846037  | Snap Ring                             | RR163           |     | 1    |      |           |
| 3-③      | 90980532  | Roll Pin                              | SRP0532         |     | 8    |      |           |
| 3-④      | 90980535  | Roll Pin                              | SRP0535         |     | 2    |      |           |
| 3-⑤      | 90980550  | Roll Pin                              | SRP0550         |     | 2    |      |           |
| 3-⑥      | 90980636  | Roll Pin                              | SRP0636         |     | 1    |      |           |
| 3-⑦      | 80827006  | Grease Fitting                        | GNA M6X0.75     |     | 2    |      |           |
| 3-⑧      | 80847015  | Snap Ring (E15)                       | E15SE           |     | 2    |      |           |

# BM40M/40LL/40L5

## Drawing No. 4 Pump Unit Assy



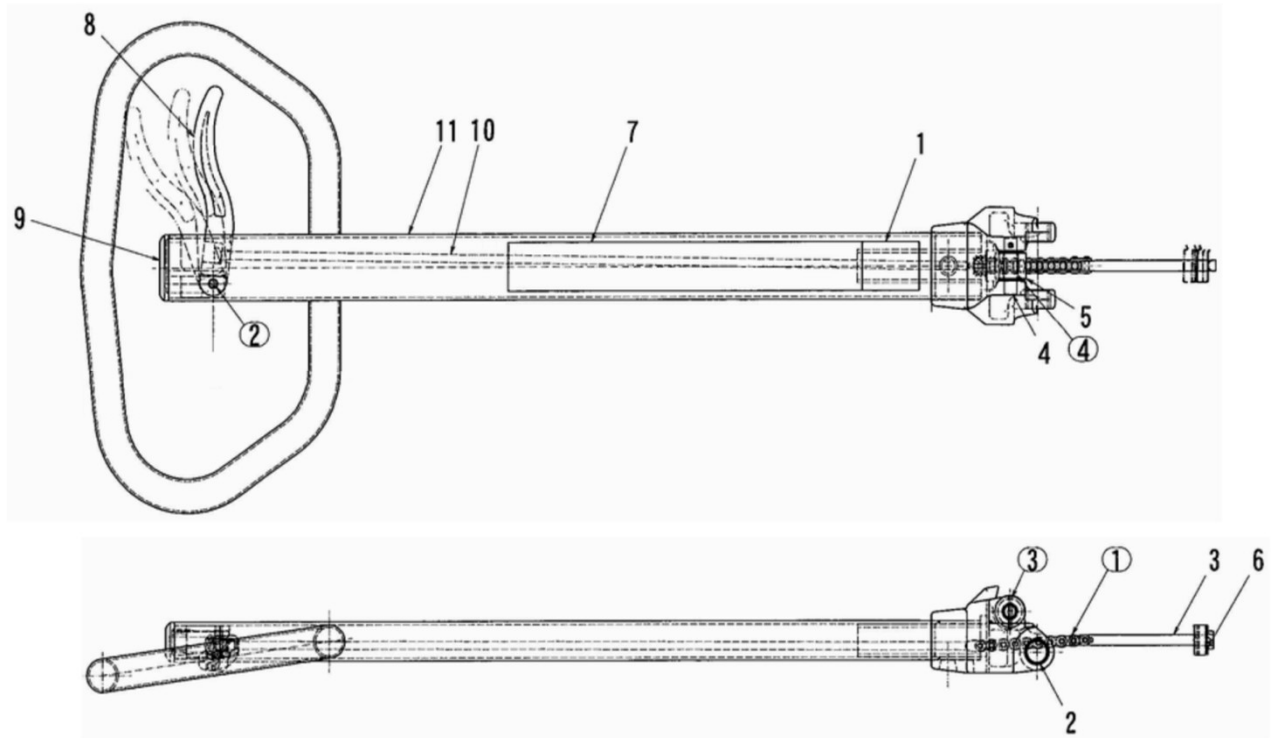
Drawing No. 4-1 Pump Unit Assy  
Drawing No. 4-1-19 Pump Unit Seal Kit



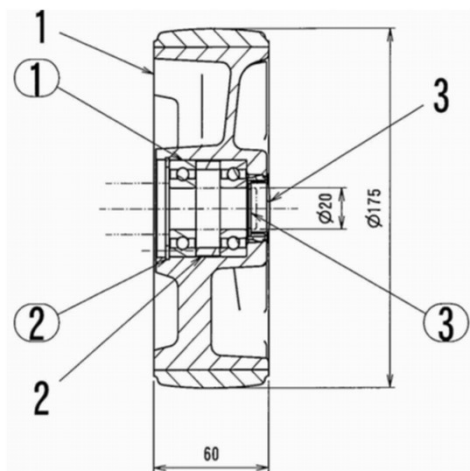
| Ill. No. | Parts No. | Parts Name                            | Spec. & Note          | 40M | 40LL | 40L5 | Price/ea. |
|----------|-----------|---------------------------------------|-----------------------|-----|------|------|-----------|
| 4M       | 02247220  | Pump Unit Assy with Handle and Wheels |                       | 1   |      |      |           |
| 4LL      | 02248180  | Pump Unit Assy with Handle and Wheels |                       |     | 1    |      |           |
| 4-1M     | 02247240  | Pump Unit Assy                        |                       | 1   |      |      |           |
| 4-1LL    | 02248200  | Pump Unit Assy                        |                       |     | 1    |      |           |
| 4-1-1    | 12794040  | Piston Rod Collar                     |                       |     | 1    |      |           |
| 4-1-2    | 12792600  | Lift Piston                           |                       |     | 1    |      |           |
| 4-1-3    | 12792620  | Piston Bushing                        |                       |     | 1    |      |           |
| 4-1-4    | 12792640  | Stop Ring                             |                       |     | 1    |      |           |
| 4-1-5    | 12792660  | Pump Piston                           |                       |     | 1    |      |           |
| 4-1-6    | 12792680  | Retainer Washer                       |                       |     | 1    |      |           |
| 4-1-7    | 12792700  | Pressure Plate                        |                       |     | 1    |      |           |
| 4-1-8    | 12792720  | Pump Cylinder                         |                       |     | 1    |      |           |
| 4-1-9    | 12792740  | Thrust Washer                         |                       |     | 1    |      |           |
| 4-1-10   | 12792760  | Pump Cylinder Cap                     |                       |     | 1    |      |           |
| 4-1-11   | 12792780  | Pump Piston Head                      |                       |     | 1    |      |           |
| 4-1-12   | 12792800  | Steering Wheel Axle                   |                       |     | 1    |      |           |
| 4-1-13   | 12792820  | Top Nut                               |                       |     | 1    |      |           |
| 4-1-14   | 12792840  | Relief Spring                         |                       |     | 1    |      |           |
| 4-1-15   | 12792860  | Relief Plunger                        |                       |     | 1    |      |           |
| 4-1-16   | 12792880  | Relief Holder                         |                       |     | 1    |      |           |
| 4-1-17   | 12792900  | Steering Spacer                       |                       |     | 1    |      |           |
| 4-1-18   | N/A       | Pump Unit                             | Replace by Assy       |     | 1    |      | N/A       |
| 4-1-19   | 02247280  | Pump Unit Seal Kit                    |                       |     | 1    |      |           |
| 4-1-19-1 | 52103553  | Dust Seal                             | RSD35                 |     | 1    |      |           |
| 4-1-19-2 | 52003513  | Sealed Rubber                         |                       |     | 1    |      |           |
| 4-1-19-① | 80800002  | O Ring                                | P4                    |     | 1    |      |           |
| 4-1-19-② | 80800005  | O Ring                                | P7                    |     | 1    |      |           |
| 4-1-19-③ | 80800008  | O Ring                                | P10                   |     | 1    |      |           |
| 4-1-19-④ | 80800010  | O Ring                                | P11                   |     | 1    |      |           |
| 4-1-19-⑤ | 80800023  | O Ring                                | P24                   |     | 1    |      |           |
| 4-1-19-⑥ | 80800034  | O Ring                                | P35                   |     | 1    |      |           |
| 4-1-19-⑦ | 80800128  | O Ring                                | G60                   |     | 1    |      |           |
| 4-1-19-⑧ | 80800411  | O Ring                                | JASO-1011             |     | 1    |      |           |
| 4-1-19-⑨ | 80800260  | O Ring                                | 9. 5X3                |     | 1    |      |           |
| 4-1-19-⑩ | 80801514  | U Packing                             | KY-14 Sakagami        |     | 1    |      |           |
| 4-1-19-⑪ | 80801546  | U Packing                             | KY-45X30X10 Sakagami  |     | 1    |      |           |
| 4-1-19-⑫ | 80806514  | Back Up Ring                          | TE-KY-14 Sakagami     |     | 1    |      |           |
| 4-1-19-⑬ | 80803114  | Dust Seal                             | SCB-14 Sakagami       |     | 1    |      |           |
| 4-1-20   | 52003493  | Valve Spring                          |                       |     | 1    |      |           |
| 4-1-21   | 12003463  | Back Valve Screw                      |                       |     | 1    |      |           |
| 4-1-22   | 12003473  | Lowering Valve                        |                       |     | 1    |      |           |
| 4-1-23   | 52003463  | Back Valve Spring                     |                       |     | 1    |      |           |
| 4-1-24   | 12003503  | Steering Bushing                      |                       |     | 1    |      |           |
| 4-1-25   | 12003493  | Pressure Pin                          |                       |     | 1    |      |           |
| 4-1-26   | 12003604  | Bearing Cup                           |                       |     | 1    |      |           |
| 4-1-27   | 12003683  | Dust Protection                       |                       |     | 1    |      |           |
| 4-1-28   | 12003593  | Thrust Seat                           |                       |     | 1    |      |           |
| 4-1-29   | 52103653  | Pressure Spring                       |                       |     | 1    |      |           |
| 4-1-30   | 12003533  | Plug                                  |                       |     | 1    |      |           |
| 4-1-31   | 12003915  | Crank Pin                             |                       |     | 2    |      |           |
| 4-1-32   | 12302510  | Lowering Lever                        |                       |     | 1    |      |           |
| 4-1-33   | 12611700  | Valve Seat                            |                       |     | 1    |      |           |
| 4-1-①    | 80845214  | S Shape Snap Ring                     | ISTW-14               |     | 1    |      |           |
| 4-1-②    | 80848009  | Snap Ring                             | RR018                 |     | 1    |      |           |
| 4-1-③    | 80845015  | Snap Ring                             | RR025                 |     | 1    |      |           |
| 4-1-④    | 80846031  | Snap Ring                             | RR152                 |     | 1    |      |           |
| 4-1-⑤    | 81251109  | Thrust Bearing                        | 51109                 |     | 1    |      |           |
| 4-1-⑥    | 81251205  | Thrust Bearing                        | 51205                 |     | 1    |      |           |
| 4-1-⑦    | 90980830  | Roll Pin                              | SRP0830               |     | 1    |      |           |
| 4-1-⑧    | 90980840  | Roll Pin                              | SRP0840               |     | 1    |      |           |
| 4-1-⑨    | 90981340  | Roll Pin                              | SRP1340               |     | 2    |      |           |
| 4-1-⑩    | 90820530  | Spiral Roll Pin                       | SSRP0530              |     | 2    |      |           |
| 4-1-⑪    | 80843026  | Steel Ball                            | R7. 5A                |     | 1    |      |           |
| 4-1-⑫    | 81991415  | M Liner Bearing                       | R-ML1415 (NTN)        |     | 2    |      |           |
| 4-1-⑬    | 90500003  | Knurling Knob                         | KUM30-M8X30-CT3 (NBK) |     | 1    |      |           |
| 4-1-⑭    | 90500008  | Knurling Knob                         | KUF30-M8 (NBK)        |     | 1    |      |           |
| 4-1-⑮    | 90930317  | Hex Nut                               | HN16 (3) P1. 5SE      |     | 1    |      |           |

## BM40M/40LL/40L5 BM50L4/50L6/50L7

Drawing No. 4-2 Steel Handle Assy



Drawing No. 4-3 Steering Wheel Assy



Drawing No. 4-2-1 Caution Label 2



Drawing No. 4-2-7 Caution Label

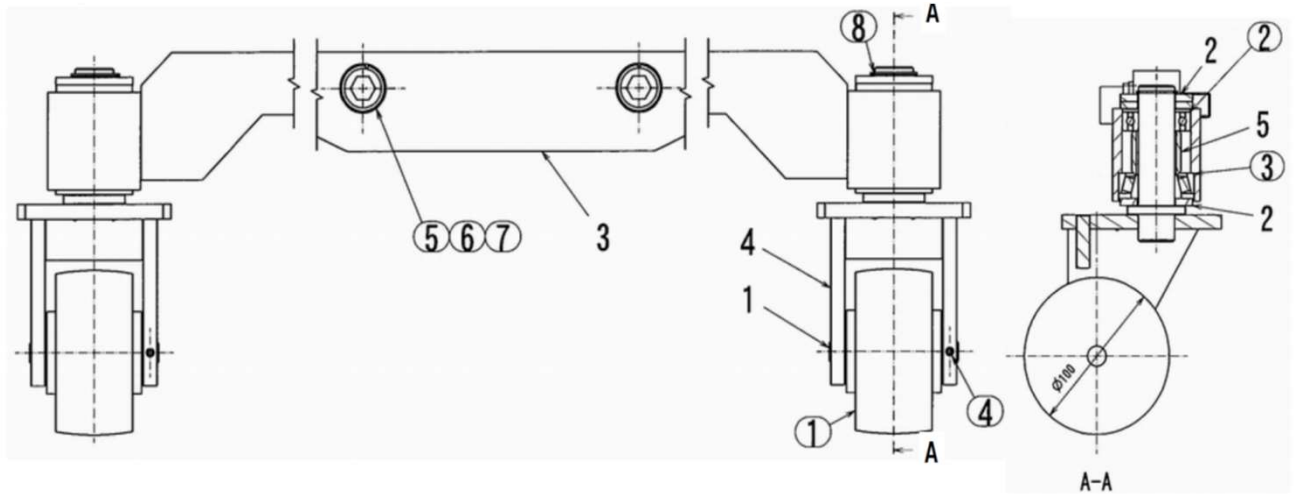


**BM40M/40LL/40L5      BM50L4/50L6/50L7**

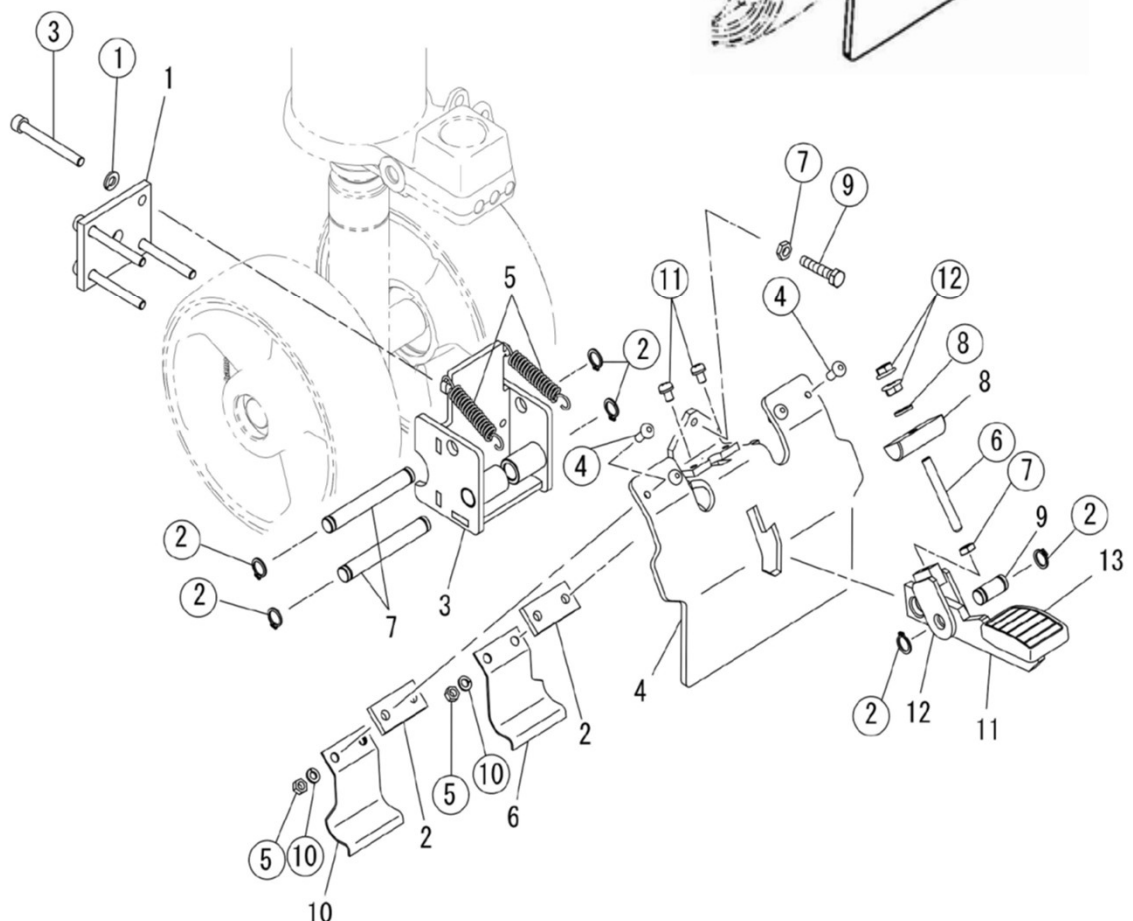
| Ill.No.   | Parts No. | Parts Name                    | Spec. & Note     | 4ton | 5ton | Price/ea. |
|-----------|-----------|-------------------------------|------------------|------|------|-----------|
| 4-2       | 02247420  | Steel Handle Assy             |                  | 1    |      |           |
| 4-2       | 02249280  | Steel Handle Assy             |                  |      | 1    |           |
| 4-2-1     | Ask       | Caution Label 2 (English)     |                  | 1    |      | Ask       |
| 4-2-2     | 81916201  | Arm Bushing                   |                  | 2    |      |           |
| 4-2-3     | 12003984  | Lower Valve Bar               |                  | 1    |      |           |
| 4-2-4     | 12003853  | Pressure Roller Axle          |                  | 1    |      |           |
| 4-2-5     | 12003844  | Pressure Roller               |                  | 1    |      |           |
| 4-2-6     | 52003983  | Lower Bar Spring              |                  | 1    |      |           |
| 4-2-7     | 52003220  | Caution Label (English)       |                  | 1    |      |           |
| 4-2-8     | 12005650  | Plastic Control Lever A       |                  | 1    |      |           |
| 4-2-9     | 12005660  | Pipe Cap                      |                  | 1    |      |           |
| 4-2-10    | 12005670  | Upper Valve Bar               |                  | 1    |      |           |
| 4-2-11-4t | N/A       | Steel Handle                  | Replace by Assy  | 1    |      | N/A       |
| 4-2-11-5t | N/A       | Steel Handle                  | Replace by Assy  |      | 1    | N/A       |
| 4-2-①     | 80830009  | Roller Chain(with Joint Link) | RS35-9L          | 1    |      |           |
| 4-2-②     | 90980625  | Roll Pin                      | SRP0625          | 1    |      |           |
| 4-2-③     | 90980325  | Roll Pin                      | SRP0325          | 1    |      |           |
| 4-2-④     | 81701020  | Powder Bushing                | 70B-1020 (Oiles) | 1    |      |           |
|           |           |                               |                  |      |      |           |
| 4-3       | 02003380  | Steering Wheel Assy           |                  | 2    |      |           |
| 4-3-1     | N/A       | Steering Wheel                | Replace by Assy  | 2    |      | N/A       |
| 4-3-2     | 52103690  | Bearing Spacer                |                  | 2    |      |           |
| 4-3-3     | 12003830  | Locking Hole Plug             |                  | 2    |      |           |
| 4-3-①     | 81046204  | Bearing                       | 6204ZZ           | 4    |      |           |
| 4-3-②     | 80846030  | Snap Ring                     | RR147            | 2    |      |           |
| 4-3-③     | 80845011  | Snap Ring                     | RR020            | 2    |      |           |
|           |           |                               |                  |      |      |           |

# BM40M/40LL/40L5 BM50L4/50L6/50L7

## Drawing No. 5 Auxiliary(Outrigger) Wheels Assy



## Drawing No. 6 Parking Brake Assy

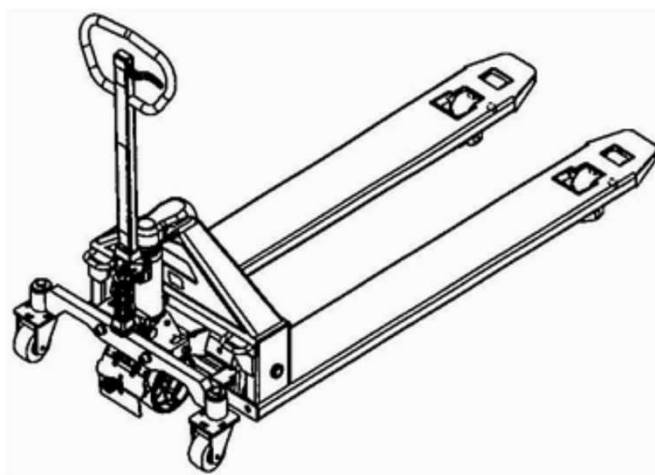
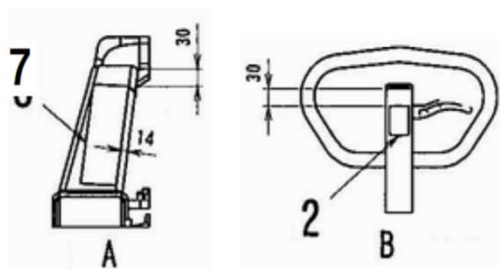
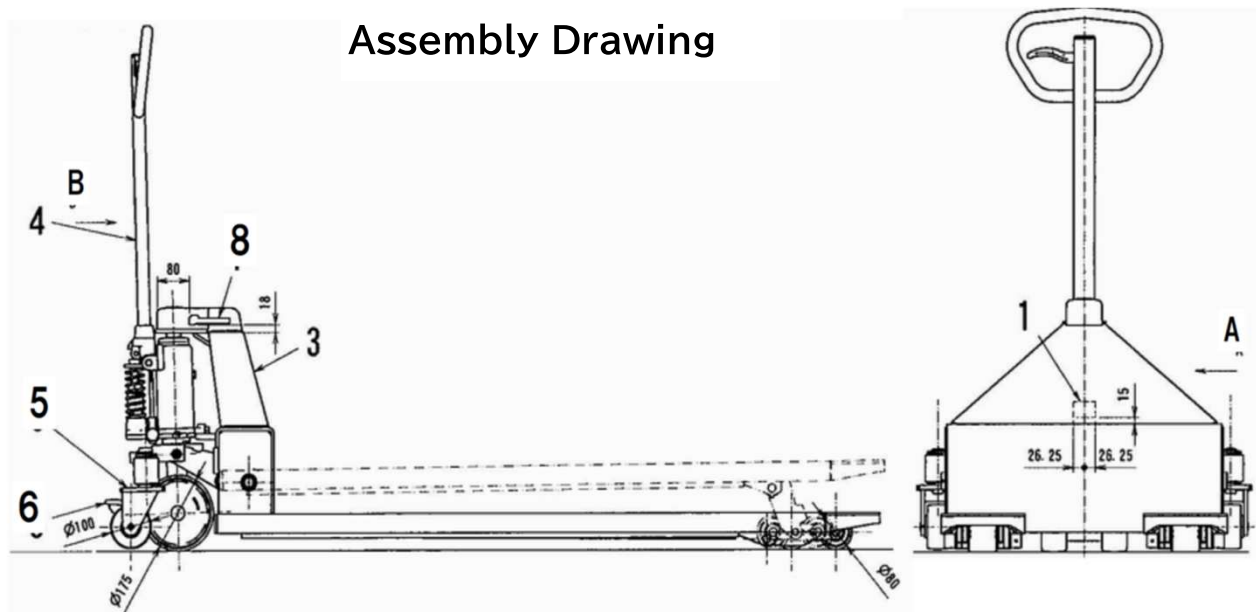


BM40M/40LL/40L5      BM50L4/50L6/50L7

| Ill.No. | Parts No. | Parts Name                        | Spec. & Note    | 4ton | 5ton | Price/ea. |
|---------|-----------|-----------------------------------|-----------------|------|------|-----------|
| 5-4t    | 02247300  | Auxiliary(Outtrigger) Wheels Assy |                 | 1    |      |           |
| 5-5t    | 02249360  | Auxiliary(Outtrigger) Wheels Assy |                 |      | 1    |           |
| 5-1     | 12793020  | Wheel Shaft                       |                 | 2    |      |           |
| 5-2     | 12793040  | Spacer                            |                 | 4    |      |           |
| 5-3     | N/A       | Auxiliary(Outtrigger) Wheel Arm   | Replace by Assy | 1    |      | N/A       |
| 5-4     | 02247340  | Caster                            |                 | 2    |      |           |
| 5-5     | 12603340  | Bearing Spacer                    |                 | 2    |      |           |
| 5-①     | 85000102  | Wheel                             | 502BPS-CU100    | 2    |      |           |
| 5-②     | 81036005  | Bearing                           | 6005Z           | 2    |      |           |
| 5-③     | 81230205  | Taper Roller Bearing              | 30205           | 2    |      |           |
| 5-④     | 90980540  | Roll Pin                          | SRP0540         | 2    |      |           |
| 5-⑤     | 90930716  | Flat Washer                       | PW16SE          | 2    |      |           |
| 5-⑥     | 90930516  | Spring Washer                     | SW16SE          | 2    |      |           |
| 5-⑦4t   | 90921660  | Hex Socket Head Cap Bolt          | HSB1660         | 2    |      |           |
| 5-⑦5t   | 90921680  | Hex Socket Head Cap Bolt          | HSB1680         |      | 2    |           |
| 5-⑧     | 80845015  | Snap Ring                         | RR025           | 2    |      |           |
|         |           |                                   |                 |      |      |           |
| 6-4t    | 02247360  | Parking Brake Assy                |                 | 1    |      |           |
| 6-5t    | 02249320  | Parking Brake Assy                |                 |      | 1    |           |
| 6-1-4t  | 12793180  | Support Center A                  |                 | 1    |      |           |
| 6-1-5t  | 12795660  | Support Center A                  |                 |      | 1    |           |
| 6-2     | 12793200  | Brake Spring Spacer               |                 | 2    |      |           |
| 6-3-4t  | 02247380  | PB Plate                          |                 | 1    |      |           |
| 6-3-5t  | 02249340  | PB Plate                          |                 |      | 1    |           |
| 6-4     | 02006440  | Brake Plate                       |                 | 1    |      |           |
| 6-5     | 52005535  | Brake Return Spring               |                 | 2    |      |           |
| 6-6     | 12007290  | Brake Plate Spring A              |                 | 1    |      |           |
| 6-7     | 12007310  | Pivot Pin A                       |                 | 2    |      |           |
| 6-8     | 12007330  | Roller Pivot Pin                  |                 | 1    |      |           |
| 6-9     | 12007350  | Pivot Pin B                       |                 | 1    |      |           |
| 6-10    | 12007370  | Brake Plate Spring B              |                 | 1    |      |           |
| 6-11    | 02006460  | Brake Pedal                       |                 | 1    |      |           |
| 6-12    | 02006480  | Pedal Bracket                     |                 | 1    |      |           |
| 6-13    | 52616730  | Pedal Rubber                      |                 | 1    |      |           |
| 6-①     | 90930506  | Spring Washer                     | SW06SE          | 4    |      |           |
| 6-②     | 80845001  | Snap Ring                         | RR010           | 6    |      |           |
| 6-③     | 90920665  | Hex Socket Head Cap Bolt          | HSB0665         | 4    |      |           |
| 6-④     | 91040516  | Hex Socket Head Round Cap Bolt    | HSR0515SE       | 4    |      |           |
| 6-⑤     | 90930305  | Hex Nut                           | HN05 (3) SE     | 4    |      |           |
| 6-⑥     | 90960650  | Hex Socket Head Cap Screw         | HSS0650         | 1    |      |           |
| 6-⑦     | 90930306  | Hex Nut                           | HN06 (3) SE     | 2    |      |           |
| 6-⑧     | 90930706  | Flat Washer                       | PW06SE          | 1    |      |           |
| 6-⑨     | 80800630  | Hex Bolt                          | HB0630SE        | 1    |      |           |
| 6-⑩     | 90930505  | Spring Washer                     | SW05SE          | 4    |      |           |
| 6-⑪     | 90800508  | Pan Head Screw                    | MSRS0508SE      | 2    |      |           |
| 6-⑫     | 90870006  | Lock Nut                          | M6              | 2    |      |           |
|         |           |                                   |                 |      |      |           |

# BM450L4/50L6/50L7

## Assembly Drawing



Drawing No. 1 - Name Plate



Drawing No. 2 - Model No. Label



Drawing No. 7  
"Bishamon" Label 280



Drawing No. 8  
"Bishamon" Label 100

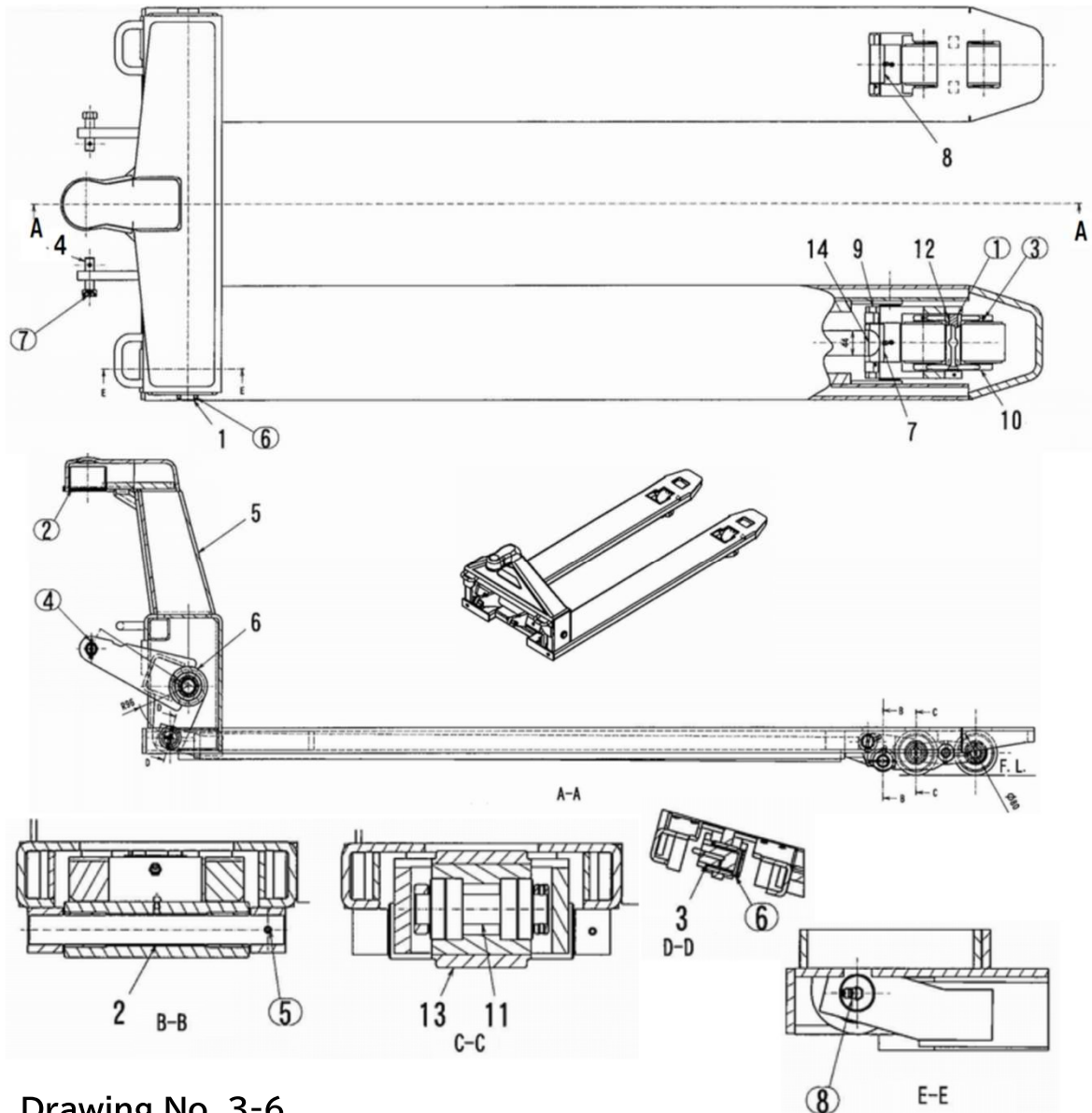


**BM50L4/50L6/50L7**

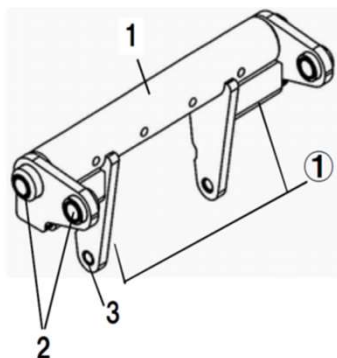
| Ill. No. | Parts No. | Parts Name                      | Spec. & Note | 50L4 | 50L6 | 50L7 | Price/ea. |
|----------|-----------|---------------------------------|--------------|------|------|------|-----------|
| 1L4      | Ask       | Serial Plate (Name Plate)       | in English   | 1    |      |      | Ask       |
| 1L6      | Ask       | Serial Plate (Name Plate)       | in English   |      | 1    |      | Ask       |
| 1L7      | Ask       | Serial Plate (Name Plate)       | in English   |      |      | 1    | Ask       |
| 2L4      | Ask       | Model No. Label                 | in English   | 1    |      |      | Ask       |
| 2L6      | Ask       | Model No. Label                 | in English   |      | 1    |      | Ask       |
| 2L7      | Ask       | Model No. Label                 | in English   |      |      | 1    | Ask       |
| 3L4      | N/A       | Frame Assy                      |              | 1    |      |      | N/A       |
| 3L6      | N/A       | Frame Assy                      |              |      | 1    |      | N/A       |
| 3L7      | N/A       | Frame Assy                      |              |      |      | 1    | N/A       |
| 4        | 02249180  | Pump Unit Assy                  |              | 1    |      |      |           |
| 5        | 02249360  | Auxiliary(Outrigger) Wheel Assy | P10-11       |      | 1    |      |           |
| 6        | 02249320  | Parking Brake Assy              | P10-11       |      | 1    |      |           |
| 7        | 52003035  | Bishamon Label 280              |              |      | 1    |      |           |
| 8        | 52003300  | Bishamon Label 100              |              |      | 1    |      |           |
|          |           |                                 |              |      |      |      |           |

# BM50L4/50L6/50L7

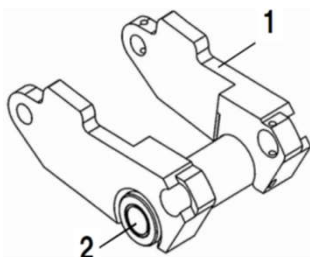
## Drawing No. 3 Frame Assy



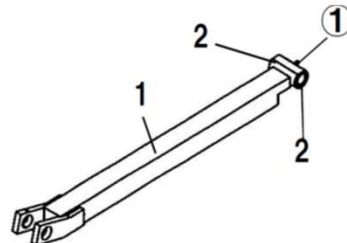
Drawing No. 3-6  
Torsion Tube Assy



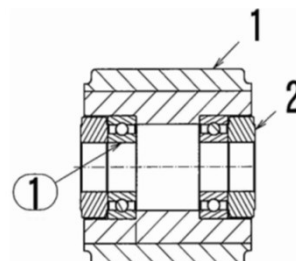
Drawing No. 3-9 Wheel Fork Assy



Drawing No. 3-7 Push Rod R Assy  
Drawing No. 3-8 Push Rod L Assy



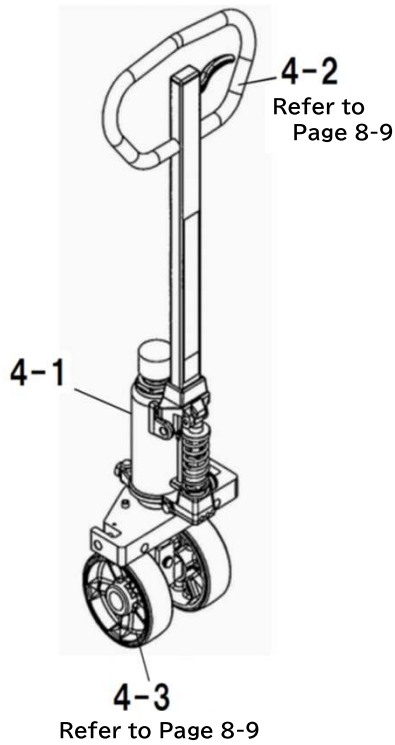
Drawing No. 3-13  
Bogie Wheel Assy



| Ill. No. | Parts No. | Parts Name            | Spec. & Note    | 50L4 | 50L6 | 50L7 | Price/ea. |
|----------|-----------|-----------------------|-----------------|------|------|------|-----------|
| 3L4      | N/A       | Frame Assy            |                 | 1    |      |      | N/A       |
| 3L6      | N/A       | Frame Assy            |                 |      | 1    |      | N/A       |
| 3L7      | N/A       | Frame Assy            |                 |      |      | 1    | N/A       |
| 3-1      | 12794740  | Torsion Tube Axle     | Φ25-685         |      | 1    |      |           |
| 3-2      | 12794760  | Wheel Fork Axle       | Φ20-184         |      | 2    |      |           |
| 3-3      | 12794780  | Push Rod Axle         | Φ25-62          |      | 2    |      |           |
| 3-4      | 12794800  | Arm Bolt              |                 |      | 2    |      |           |
| 3-5L4    | N/A       | Frame                 |                 | 1    |      |      | N/A       |
| 3-5L6    | N/A       | Frame                 |                 |      | 1    |      | N/A       |
| 3-5L7    | N/A       | Frame                 |                 |      |      | 1    | N/A       |
| 3-6      | 02249020  | Torsion Tube Assy     |                 |      | 1    |      |           |
| 3-6-1    | N/A       | Torsion Tube          | Replace by Assy |      | 1    |      | N/A       |
| 3-6-2    | 12792380  | Torsion Tube Bushing  |                 |      | 4    |      |           |
| 3-6-3    | 81916201  | Arm Bushing           |                 |      | 2    |      |           |
| 3-6-①    | 80827006  | Grease Fitting        | GNA M6X0.75     |      | 2    |      |           |
| 3-7L4    | 02249060  | Push Rod R Assy       |                 | 1    |      |      |           |
| 3-7L6    | 02250080  | Push Rod R Assy       |                 |      | 1    |      |           |
| 3-7L7    | 02250580  | Push Rod R Assy       |                 |      |      | 1    |           |
| 3-7-1L4  | N/A       | Push Rod R            | Replace by Assy | 1    |      |      | N/A       |
| 3-7-1L6  | N/A       | Push Rod R            | Replace by Assy |      | 1    |      | N/A       |
| 3-7-1L7  | N/A       | Push Rod R            | Replace by Assy |      |      | 1    | N/A       |
| 3-7-2    | 81920243  | Wheel Fork Bushing    |                 |      | 2    |      |           |
| 3-7-①    | 80827006  | Grease Fitting        | GNA M6X0.75     |      | 1    |      |           |
| 3-8L4    | 02249100  | Push Rod L Assy       |                 | 1    |      |      |           |
| 3-8L6    | 02250120  | Push Rod L Assy       |                 |      | 1    |      |           |
| 3-8L7    | 02250620  | Push Rod L Assy       |                 |      |      | 1    |           |
| 3-8-1L4  | N/A       | Push Rod L            | Replace by Assy | 1    |      |      | N/A       |
| 3-8-1L6  | N/A       | Push Rod L            | Replace by Assy |      | 1    |      | N/A       |
| 3-8-1L7  | N/A       | Push Rod L            | Replace by Assy |      |      | 1    | N/A       |
| 3-8-2    | 81920243  | Wheel Fork Bushing    |                 |      | 2    |      |           |
| 3-8-①    | 80827006  | Grease Fitting        | GNA M6X0.75     |      | 1    |      |           |
| 3-9      | 02249140  | Wheel Fork Assy       |                 |      | 2    |      |           |
| 3-9-1    | N/A       | Wheel Fork            | Replace by Assy |      | 2    |      | N/A       |
| 3-9-2    | 81920243  | Wheel Fork Bushing    |                 |      | 4    |      |           |
| 3-10     | 12049363  | Bogie Wheel Fork      |                 |      | 2    |      |           |
| 3-11     | 12032333  | Bogie Wheel Axle      | Φ20-96          |      | 4    |      |           |
| 3-12     | 12049373  | Bogie Wheel Fork Axle | Φ15-126         |      | 2    |      |           |
| 3-13     | 02032100  | Bogie Wheel Assy      |                 |      | 4    |      |           |
| 3-13-1   | N/A       | Bogie Wheel           | Replace by Assy |      | 4    |      | N/A       |
| 3-13-2   | 52003323  | Bearing Cap           |                 |      | 8    |      |           |
| 3-13-①   | 81046004  | Bearing               | 6004ZZ          |      | 8    |      |           |
| 3-14     | 12794780  | Push Rod Axle         | Φ25-62          |      | 2    |      |           |
| 3-①      | 81615172  | #80 Bushing           | 80B-1520        |      | 4    |      |           |
| 3-②      | 80846037  | Snap Ring             | RR163           |      | 1    |      |           |
| 3-③      | 90980532  | Roll Pin              | SRP0532         |      | 8    |      |           |
| 3-④      | 90980535  | Roll Pin              | SRP0535         |      | 2    |      |           |
| 3-⑤      | 90980550  | Roll Pin              | SRP0550         |      | 2    |      |           |
| 3-⑥      | 90980636  | Roll Pin              | SRP0636         |      | 3    |      |           |
| 3-⑦      | 80827006  | Grease Fitting        | GNA M6X0.75     |      | 4    |      |           |
| 3-⑧      | 80827016  | Grease Fitting        | GNB M6X0.75     |      | 2    |      |           |

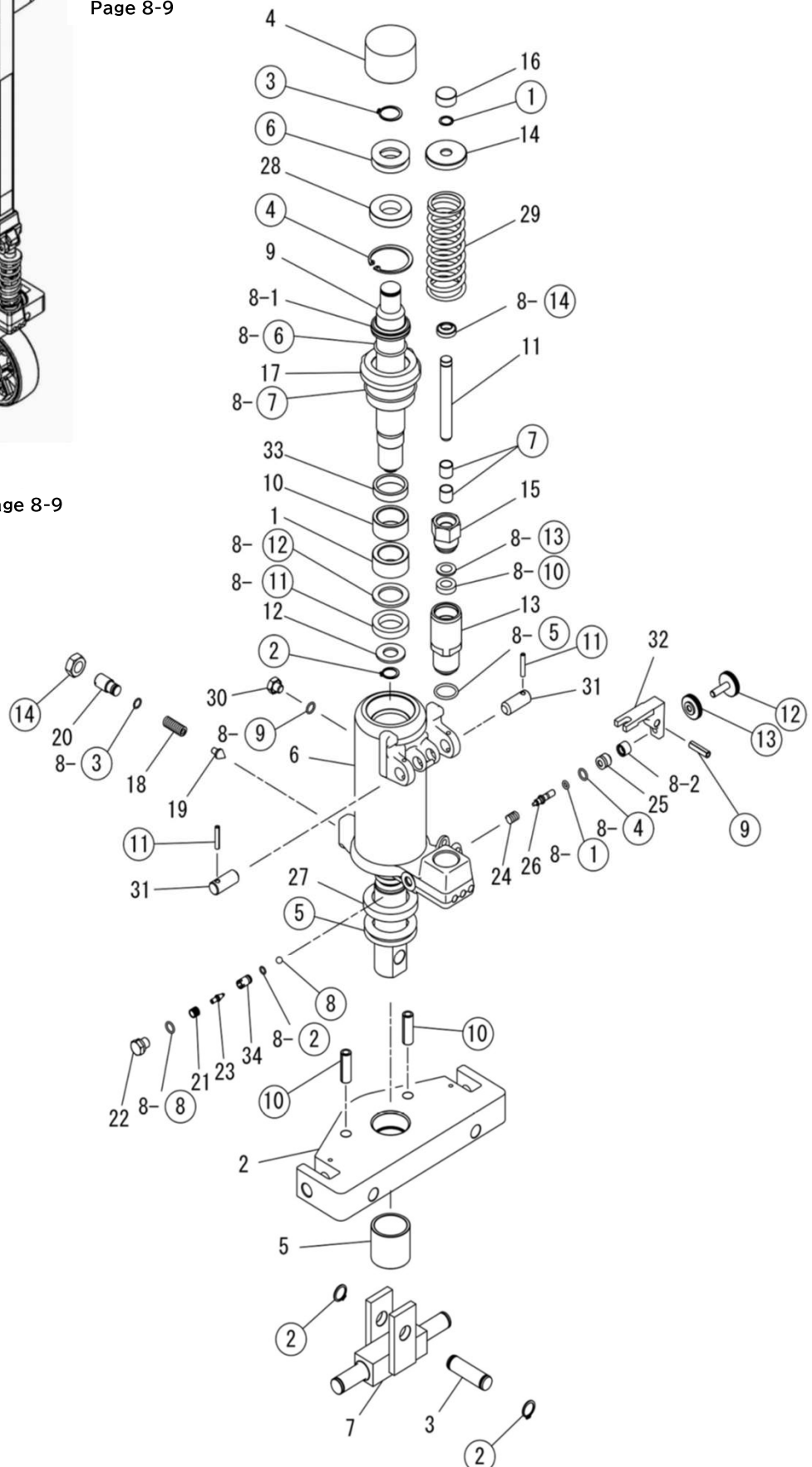
# BM50L4/50L6/50L7

## Drawing No. 4 Pump Unit Assy



Drawing No. 4-1  
Drawing No. 4-1-8

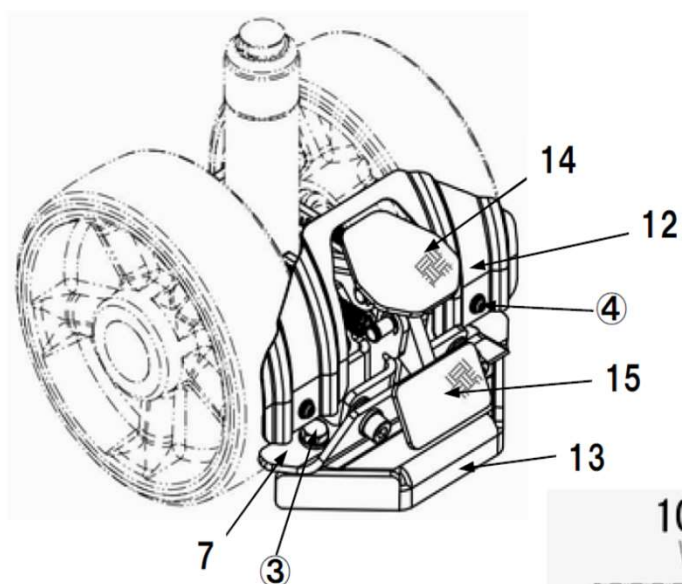
Pump Unit Assy  
Pump Unit Seal Kit



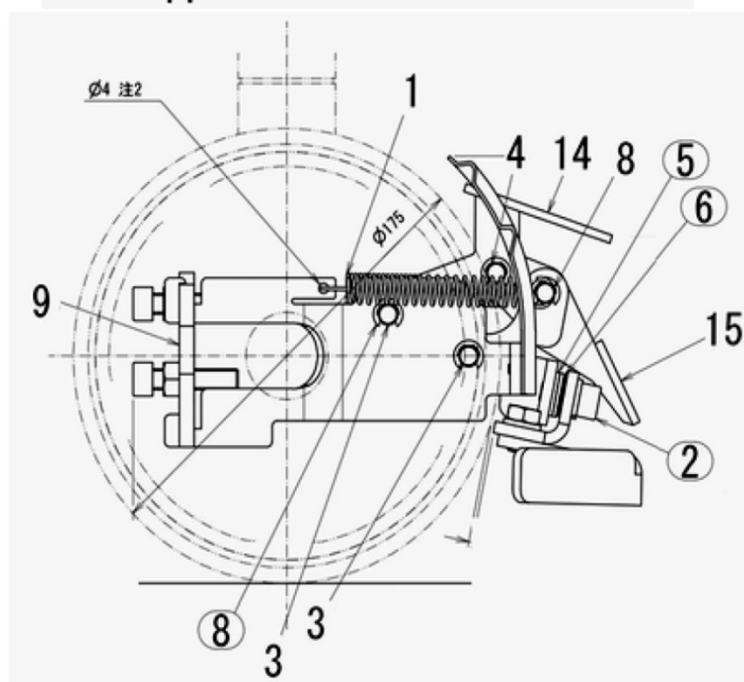
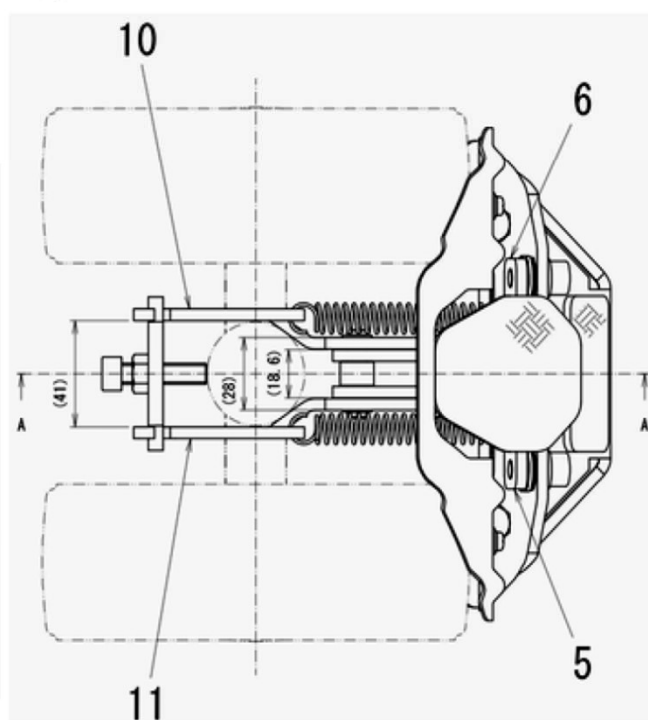
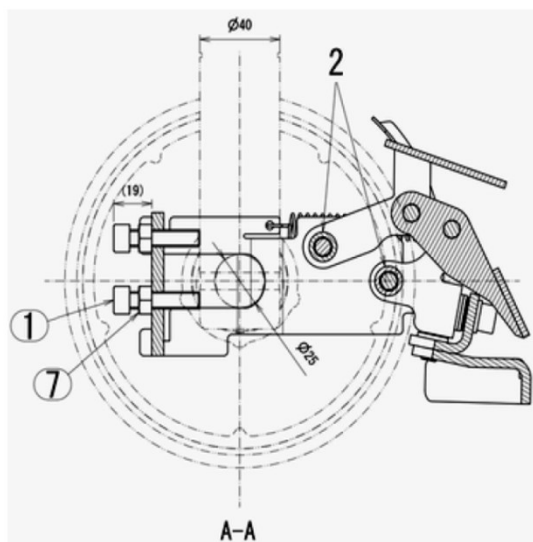
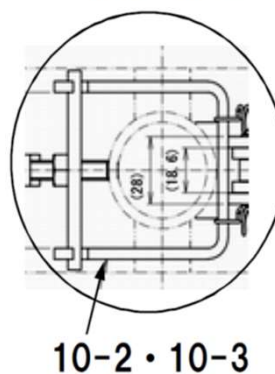
| Ill. No. | Parts No. | Parts Name                            | Spec. & Note             | Qty | Price/ea. |
|----------|-----------|---------------------------------------|--------------------------|-----|-----------|
| 4        | Ask       | Pump Unit Assy with Handle and Wheels | W/English Labels         | 1   |           |
| 4-1      | 02249200  | Pump Unit Assy                        |                          | 1   |           |
| 4-1-1    | 12795480  | Piston Bushing                        |                          | 1   |           |
| 4-1-2    | 12795500  | Pressure Plate                        |                          | 1   |           |
| 4-1-3    | 12795520  | Joint Pin                             |                          | 1   |           |
| 4-1-4    | 12795540  | Neck Arm Boss                         |                          | 1   |           |
| 4-1-5    | 12795560  | Steering Spacer                       |                          | 1   |           |
| 4-1-6    | N/A       | Pump Unit                             | Replace by Assy          | 1   | N/A       |
| 4-1-7    | 02249240  | Steering Joint                        |                          | 1   |           |
| 4-1-8    | 02249260  | Pump Unit Seal Kit                    |                          | 1   |           |
| 4-1-8-1  | 52103553  | Dust Seal                             | RSD35                    | 1   |           |
| 4-1-8-2  | 52003513  | Sealed Rubber                         |                          | 1   |           |
| 4-1-8-①  | 80800002  | O Ring                                | P4                       | 1   |           |
| 4-1-8-②  | 80800005  | O Ring                                | P7                       | 1   |           |
| 4-1-8-③  | 80800008  | O Ring                                | P10                      | 1   |           |
| 4-1-8-④  | 80800010  | O Ring                                | P11                      | 1   |           |
| 4-1-8-⑤  | 80800023  | O Ring                                | P24                      | 1   |           |
| 4-1-8-⑥  | 80800034  | O Ring                                | P35                      | 1   |           |
| 4-1-8-⑦  | 80800128  | O Ring                                | G60                      | 1   |           |
| 4-1-8-⑧  | 80800411  | O Ring                                | JASO-1011                | 1   |           |
| 4-1-8-⑨  | 80800260  | O Ring                                | 9. 5X3                   | 1   |           |
| 4-1-8-⑩  | 80801514  | U Packing                             | KY-14 Sakagami           | 1   |           |
| 4-1-8-⑪  | 80801546  | U Packing                             | KY-45X30X10 Sakagami     | 1   |           |
| 4-1-8-⑫  | 80806514  | Back Up Ring                          | TE-KY-14 Sakagami        | 1   |           |
| 4-1-8-⑬  | 80806545  | Back Up Ring                          | For KY-45X30X10 Sakagami | 1   |           |
| 4-1-8-⑭  | 80803114  | Dust Seal                             | SCB-14 Sakagami          | 1   |           |
| 4-1-9    | 12792600  | Lift Piston                           |                          | 1   |           |
| 4-1-10   | 12792640  | Stop Ring                             |                          | 1   |           |
| 4-1-11   | 12792660  | Pump Piston                           |                          | 1   |           |
| 4-1-12   | 12792680  | Retainer Washer                       |                          | 1   |           |
| 4-1-13   | 12792720  | Pump Cylinder                         |                          | 1   |           |
| 4-1-14   | 12792740  | Thrust Washer                         |                          | 1   |           |
| 4-1-15   | 12792760  | Pump Cylinder Cap                     |                          | 1   |           |
| 4-1-16   | 12792780  | Pump Piston Head                      |                          | 1   |           |
| 4-1-17   | 12792820  | Top Nut                               |                          | 1   |           |
| 4-1-18   | 12792840  | Relief Spring                         |                          | 1   |           |
| 4-1-19   | 12792860  | Relief Plunger                        |                          | 1   |           |
| 4-1-20   | 12792880  | Relief Holder                         |                          | 1   |           |
| 4-1-21   | 52003493  | Valve Spring                          |                          | 1   |           |
| 4-1-22   | 12003463  | Back Valve Screw                      |                          | 1   |           |
| 4-1-23   | 12003473  | Cone                                  |                          | 1   |           |
| 4-1-24   | 52003463  | Back Valve Spring                     |                          | 1   |           |
| 4-1-25   | 12003503  | Steering Bushing                      |                          | 1   |           |
| 4-1-26   | 12003493  | Pressure Pin                          |                          | 1   |           |
| 4-1-27   | 12003683  | Dust Protection                       |                          | 1   |           |
| 4-1-28   | 12003593  | Thrust Seat                           |                          | 1   |           |
| 4-1-29   | 52103653  | Pressure Spring                       |                          | 1   |           |
| 4-1-30   | 12003533  | Plug                                  |                          | 1   |           |
| 4-1-31   | 12003915  | Crank Pin                             |                          | 2   |           |
| 4-1-32   | 12302510  | Lowering Lever                        |                          | 1   |           |
| 4-1-33   | 12794040  | Piston Rod Collar                     |                          | 1   |           |
| 4-1-34   | 12611700  | Cone Seat                             |                          | 1   |           |
| 4-1-①    | 80845214  | S Shape Snap Ring                     | ISTW-14                  | 1   |           |
| 4-1-②    | 80848009  | Snap Ring                             | RR018                    | 3   |           |
| 4-1-③    | 80845015  | Snap Ring                             | RR025                    | 1   |           |
| 4-1-④    | 80846031  | Snap Ring                             | RR152                    | 1   |           |
| 4-1-⑤    | 81251109  | Thrust Bearing                        | 51109                    | 1   |           |
| 4-1-⑥    | 81251205  | Thrust Bearing                        | 51205                    | 1   |           |
| 4-1-⑦    | 81991415  | M Liner Bearing                       | R-ML1415 (NTN)           | 2   |           |
| 4-1-⑧    | 80843013  | Steel Ball                            | D7. 5A                   | 1   |           |
| 4-1-⑨    | 90980830  | Roll Pin                              | SRP0830                  | 1   |           |
| 4-1-⑩    | 90981340  | Roll Pin                              | SRP1340                  | 2   |           |
| 4-1-⑪    | 90820530  | Spiral Roll Pin                       | SSRP0530                 | 2   |           |
| 4-1-⑫    | 90500003  | Knurling Knob                         | KUM30-M8X30-CT3 (NBK)    | 1   |           |
| 4-1-⑬    | 90500008  | Knurling Knob                         | KUF30-M8 (NBK)           | 1   |           |
| 4-1-⑭    | 90930317  | Hex Nut                               | HN16 (3) P1. 5SE         | 1   |           |

# Parking Brake (Option)

After Aug. 2020



BM40•BM50



## Option - Parking Brake & Foot Guard (After Aug. 2020)

| ILL. NO. | Part No. | Parts Name           | Note                  | BM40 | BM50 | Price/ea. |
|----------|----------|----------------------|-----------------------|------|------|-----------|
| BM15-3   | 02247361 | Parking Brake Assy   | For BM40              | 1    |      |           |
| BM15-4   | 02249321 | Parking Brake Assy   | For BM50              |      | 1    |           |
|          |          |                      |                       |      |      |           |
| 1        | 52005534 | Brake Return Spring  |                       | 2    |      |           |
| 2        | 12005710 | Pedal Collar         |                       | 2    |      |           |
| 3        | 12005721 | Brake Pin M          |                       | 2    |      |           |
| 4        | 12005731 | Brake Pin S          |                       | 1    |      |           |
| 5        | 12005820 | Brake Arm R          |                       | 1    |      |           |
| 6        | 12005830 | Brake Arm L          |                       | 1    |      |           |
| 7-1      | 12006270 | Brake Angle          |                       | 1    |      |           |
| 8        | 12006280 | Brake Pin L          |                       | 1    |      |           |
| 9-2      | 12793290 | Support Center       |                       | 1    |      |           |
| 10-2     | 02247410 | Support Bracket      |                       | 1    |      |           |
| 10-3     | 02249350 | Support Bracket      |                       |      | 1    |           |
| 12       | 12006320 | Wheel Cover          |                       | 1    |      |           |
| 13-1     | 12006330 | Foot Guard           |                       | 1    |      |           |
| 14       | 02006430 | Brake Pedal          |                       | 1    |      |           |
| 15       | 02006450 | Release Pedal        |                       | 1    |      |           |
|          |          |                      |                       |      |      |           |
| ①        | 90925835 | Hex Socket Head Bolt | HSB0835 Unichrome     | 2    |      |           |
| ②        | 90765816 | Hex Socket Head Bolt | HSBS0816 Unichrome    | 2    |      |           |
| ③        | 90895812 | Hex Bolt             | HBS0812 Unichrome     | 2    |      |           |
| ④        | 90785408 | Pan Head Screw       | MSRPS0408 Unichrome   | 2    |      |           |
| ⑤        | 90930748 | Flat Washer          | PW08 Unichrome        | 4    |      |           |
| ⑥        | 90930777 | Flat Washer          | PW08X16X0.5 Unichrome | 6    |      |           |
| ⑦        | 90929909 | Hex Nut              | HN08 Unichrome        | 2    |      |           |
| ⑧        | 80847009 | Snap Ring            | E6SE                  | 8    |      |           |
|          |          |                      |                       |      |      |           |

# **Bishamon**

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