Support from MR-J2 Super Series to MR-J4 Series Replacement.

**Features**
- Complete upgrades in a short time by using existing wiring and mounting holes.
- The AC servo can be replaced independently, without replacing the host controller or SSCNET cable.
- Replacement of a single axis in a multi-axis system is possible.
- The MR-J2S motor can be controlled with the MR-J4 servo amplifier.

**Precautions for Replacement**
- MR-J2 Series replacements are not supported.
- The initialization time after power ON differs for the MR-J2S servo amplifier and MR-J4 servo amplifier, so it may be necessary to change the program in existing system.
  (* Pay special attention to the magnetic brake release time for the vertical axis. The vertical axis could drop.)
- The outline dimensions will be larger than the existing MR-J2S servo amplifier when using this renewal tool. Refer to the outline dimensions on the back page for details on the dimensions. Always confirm that there is sufficient space before selecting this tool.
- When making a secondary package replacement, the monitor output value (motor rotation speed) will differ from the existing amplifier because of a difference in the motor’s maximum rotation speed. The program must be changed when using the monitor output with existing system.
- Note that even when this renewal tool is used, some MR-J2S servo functions may not be 100% compatible.
- Depending on the situation, it may be necessary to change the existing wiring or add a noise filter, etc. as a noise countermeasure when using the servo system controller and positioning module (model: A1SD75P, etc.).
The MR-J2S renewal tool is used to replace an existing MR-J2S Series amplifier with the MR-J4 Series amplifier. The renewal kit provides compatibility to existing installation dimensions and terminal blocks. The conversion cable is interchangeable allowing existing cables to be used with the replacement models.

**Use existing mounting holes to upgrade in a short time!**

Before replacement

MR-J2S amplifier

After replacement

MR-J4 amplifier + renewal kits

The existing mounting holes can be used, so there's no need for additional work!

**Upgrade without replacing the host controller and existing wiring! Replace a single axis in a multi axis system!**

Before replacement

Existing controller

MR-J2S motor

After replacement

Existing controller

MR-J4 amplifier + renewal kits

Just one axis in the multi-axis system failed!!

Replace just one axis without replacing the controller or wiring!!

**Drive the MR-J2S motor with the MR-J4 amplifier!**

Before replacement

MR-J2S amplifier + renewal kits

J2S motor

After replacement

MR-J4 amplifier + renewal kits

J2S motor

Just the amplifier failed!!

Use the existing motor and replace only the amplifier!!

The existing mounting holes can be used, so there's no need for additional work!
* The illustration shows the renewal kit SC-J2S/J4KT1K.
* The mounting attachment is also available as a single part. Refer to the Selection Table on page 13.
* The renewal kits SC-J2S/J4KT02K and SC-J2S/J4KT06K do not have a mounting attachment.

* The illustration shows the attachment SC-J2S/J4BS02 + amplifier conversion cable set SC-J2S/J4CSET-01.
* The renewal tool for the MR-J2S 400V does not have a power conversion terminal block.
* When replacing the MR-J2S 400V amplifier, purchase both the mounting attachment and amplifier conversion cable set.
## Basic configuration
(for 100V/200V AC)

### Type A (general-purpose interface)
- Encoder conversion cable
- Control signal conversion cable
- Monitor conversion cable
- Existing command cable
- 24V DC power connection cable
- Existing encoder cable
- Existing monitor cable
- To speed meter
- To programmable controller or relay terminal block
- AC power supply

### Type CP (built-in positioning function)
- 24V DC power supply
- 24V DC power supply for magnetic brakes

## Primary replacement (replacing only the servo amplifier)

- **Renewal kit**
  - Type A : MR-J4-CA(1)
  - Type CP : MR-J4-CA(1)-RJ

- **Existing command cable**
- **Encoder conversion cable**
- **Control signal conversion cable**

- **24V DC power connection cable**

### Secondary replacement (Replacing servo motor after replacing servo amplifier)

- **Renewal kit**
  - Type A : MR-J4-CA(1)
  - Type CP : MR-J4-CA(1)-RJ

- **Existing command cable**
- **Encoder conversion cable**
- **Control signal conversion cable**

- **24V DC power connection cable**

### Package replacement (Replacing servo amplifier and servo motor together)

- **Renewal kit**
  - Type A : MR-J4-CA(1)
  - Type CP : MR-J4-CA(1)-RJ

- **Existing command cable**
- **Encoder conversion cable**
- **Control signal conversion cable**

- **24V DC power connection cable**

---

*1. A separate 24V DC (current capacity 80mA or more) is required for the interface when making the replacement. Refer to page 14 for recommended specifications.

*2. Refer to the table on pages 7 and 9 for motor side conversion cables.

*3. When replacing the HC-KFS, MFS motor with the HG-KR, MR motor, the magnetic brake cable is built into the power cable.

*4. J2S-CP renewal is supported with software version B3 and higher.

*5. When replacing the J2S 30kW or 37kW amplifier, select the mounting attachment and amplifier conversion cable set.
**Primary replacement** (replacing only the servo amplifier)

- Replacement servo amplifier: MR-J4-CB(1)-RJ020
- **CAUTION:** Replacement of the amplifier software version may differ according to the supported motor. Contact Mitsubishi Electric Corp. for more information.

**SSCNET conversion unit**

- MR-J4-T20

- **CAUTION:** The connector shapes are the same. An incorrect connection will damage the amplifier or motor, etc.

- Main circuit power supply conversion terminal block

- 24V DC power supply for magnetic brakes

- Control power conversion terminal block

- Existing encoder cable

- Encoder conversion cable

- Existing command cable

- Programmed controller or relay terminal block

- Servo system controller or front axis amplifier

- Rear axis amplifier

- Programmable controller or relay terminal block

**Renewal kit**

- 24V DC power connection cable

- Encoder conversion cable

- Existing encoder cable

- Existing SSCNET cable

- Servo system controller or front axis amplifier

- Rear axis amplifier

- Programmable controller or relay terminal block

**For MR-J4 interface**

- 24V DC power supply

**Secondary replacement** (Replacing servo motor after replacing servo amplifier)

- Replacement servo amplifier: MR-J4-CB(1)-RJ020
- **SSCNET conversion unit**

- MR-J4-T20

- **CAUTION:** The connector shapes are the same. An incorrect connection will damage the amplifier or motor, etc.

- Main circuit power supply conversion terminal block

- 24V DC power supply for magnetic brakes

- Control power conversion terminal block

- Existing encoder cable

- Encoder conversion cable

- Existing command cable

- Programmable controller or relay terminal block

- Servo system controller or front axis amplifier

- Rear axis amplifier

- Programmable controller or relay terminal block

**Renewal kit**

- 24V DC power connection cable

- Encoder conversion cable

- Existing encoder cable

- Existing SSCNET cable

- Servo system controller or front axis amplifier

- Rear axis amplifier

- Programmable controller or relay terminal block

**For MR-J4 interface**

- 24V DC power supply

**Package replacement** (Replacing servo amplifier and servo motor together)

- Replacement servo amplifier: MR-J4-CB(1)-RJ020

- **CAUTION:** The connector shapes are the same. An incorrect connection will damage the amplifier or motor, etc.

- Main circuit power supply conversion terminal block

- 24V DC power supply for magnetic brakes

- Control power conversion terminal block

- Existing encoder cable

- Encoder conversion cable

- Existing command cable

- Programmable controller or relay terminal block

- Servo system controller or front axis amplifier

- Rear axis amplifier

- Programmable controller or relay terminal block

**Renewal kit**

- 24V DC power connection cable

- Encoder conversion cable

- Existing encoder cable

- Existing SSCNET cable

- Servo system controller or front axis amplifier

- Rear axis amplifier

- Programmable controller or relay terminal block

**For MR-J4 interface**

- 24V DC power supply

- Power conversion cable

- Motor side conversion cable


**CAUTION:**

1. A separate 24V DC (current capacity 80mA or more) is required for the interface when making the replacement. Refer to page 14 for recommended specifications.

2. Refer to the table on page 8 for motor side conversion cables.

3. When replacing the HC-KFS, MFS motor with the HG-KR, MR motor, the magnetic brake cable is built into the power cable.

4. When replacing the J2S 30kW or 37kW amplifier, select the mounting attachment and amplifier conversion cable set.
Basic configuration (for 400V AC) | Type A (general-purpose interface)

**Primary replacement** (replacing only the servo amplifier)
- Replacement servo amplifier MR-J4-A4
- Amplifier conversion cable set
- Monitor conversion cable
- Control signal conversion cable
- Encoder conversion cable
- Existing monitor cable
- Existing command cable
- 24V DC power connection cable
- Existing encoder cable
- To speed meter
- To programmable controller or relay terminal block
- For MR-J4 interface
- 24V DC power supply
- Purchased separately
- HC-SFS motor

**Secondary replacement** (Replacing servo motor after replacing servo amplifier)
- Replacement servo amplifier MR-J4-A4
- Amplifier conversion cable set
- Monitor conversion cable
- Control signal conversion cable
- Encoder conversion cable
- Existing monitor cable
- Existing command cable
- 24V DC power connection cable
- Existing encoder cable
- To speed meter
- To programmable controller or relay terminal block
- For MR-J4 interface
- 24V DC power supply
- Purchased separately
- HG-SR motor

**Package replacement** (Replacing servo amplifier and servo motor together)
- Replacement servo amplifier MR-J4-A4
- Amplifier conversion cable set
- Monitor conversion cable
- Control signal conversion cable
- Encoder conversion cable
- Existing monitor cable
- Existing command cable
- 24V DC power connection cable
- Existing encoder cable
- To speed meter
- To programmable controller or relay terminal block
- For MR-J4 interface
- 24V DC power supply
- Purchased separately
- Motor side conversion cable
- Power conversion cable
- HG-SR motor

---

*1. A separate 24V DC (current capacity 80mA or more) is required for the interface when making the replacement. Refer to page 14 for recommended specifications.
*2. Refer to the table on page 7 for motor side conversion cables.
*3. When replacing the JS2 4000V amplifier, the mounting attachment and separate amplifier conversion cable set must be prepared. Refer to page 7 for details on making a selection.
*4. The JS2 4000V renewal kit does not include a main circuit power or control power conversion terminal block. Refer to the MR-J4 Servo Amplifier Technical Materials issued by Mitsubishi Electric Corp., for details on wiring.
*5. When replacing the HC-SFS Series motor with brakes with secondary or package replacement, a magnetic brake cable must be newly connected. Use the Mitsubishi Electric System & Service motor magnetic brake cable (SC-BKCTCBL-L or SC-BKCTCBL-H).
When making a primary replacement, the amplifier software version may differ according to the supported motor. Contact Mitsubishi Electric Corp. for more information.

CAUTION

The connector shapes are the same. An incorrect connection will damage the amplifier or motor, etc.

*1. A separate 24V DC (current capacity 80mA or more) is required for the interface when making the replacement. Refer to page 14 for recommended specifications. (Required only when a 24V DC power supply for the internal interface is used with the MR-J2S servo amplifier. Not required when 24V DC power supply for interface is supplied from an external source.)

*2. Refer to the table on page 8 for motor side conversion cables.

*3. When replacing the JS2 400V amplifier, the mounting attachment and separate amplifier conversion cable set must be prepared. Refer to page 8 for details on making a selection.

*4. The JS2 400V renewal kit does not include a main circuit power or control power conversion terminal block. Refer to the MR-J4 Servo Amplifier Technical Materials issued by Mitsubishi Electric Corp., for details on wiring.

*5. When replacing the HC-SFS Series motor with brakes with secondary or package replacement, a magnetic brake cable must be newly connected. Use the Mitsubishi Electric System & Service motor magnetic brake cable (SC-BKC1CBL/M-L or SC-BKC1CBL/M-H).
## Type A (100V/200V AC)

<table>
<thead>
<tr>
<th>Servo amplifier model</th>
<th>Servo motor model</th>
<th>Primary replacement model</th>
<th>Secondary replacement / package replacement model</th>
<th>Compatibility</th>
<th>Power conversion cable</th>
<th>Encoder conversion cable</th>
<th>Brake conversion cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>MR-J2S-10A (1)</td>
<td>HC-KM01S (B)</td>
<td>- (6)</td>
<td>- (7)</td>
<td>-</td>
<td>SC-J2SJ4PW1C03M</td>
<td>SC-J2SJ4PW3C1M</td>
<td>-</td>
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<tr>
<td>MR-J2S-20A</td>
<td>HC-FS02S (B)</td>
<td>- (6)</td>
<td>- (7)</td>
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<td>SC-J2SJ4PW1C03M</td>
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<td>MR-J2S-30A</td>
<td>HC-SF03S (B)</td>
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<td>- (7)</td>
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<tr>
<td>MR-J2S-40A</td>
<td>HC-DF04S (B)</td>
<td>- (6)</td>
<td>- (7)</td>
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<tr>
<td>MR-J2S-50A</td>
<td>HC-VF05S (B)</td>
<td>- (6)</td>
<td>- (7)</td>
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<td>SC-J2SJ4PW1C03M</td>
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<tr>
<td>MR-J2S-60A</td>
<td>HC-SF06S (B)</td>
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<td>- (7)</td>
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<td>MR-J2S-70A</td>
<td>HC-MF07S (B)</td>
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<td>MR-J2S-80A</td>
<td>HC-NF08S (B)</td>
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<td>- (7)</td>
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<td>MR-J2S-90A</td>
<td>HC-SF09S (B)</td>
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<td>MR-J2S-100A</td>
<td>HC-MF10S (B)</td>
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<td>MR-J2S-110A</td>
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<td>MR-J2S-120A</td>
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<td>MR-J2S-130A</td>
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<td>- (7)</td>
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<td>SC-J2SJ4PW1C03M</td>
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<td>MR-J2S-140A</td>
<td>HC-VF14S (B)</td>
<td>- (6)</td>
<td>- (7)</td>
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<td>SC-J2SJ4PW1C03M</td>
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<tr>
<td>MR-J2S-150A</td>
<td>HC-SF15S (B)</td>
<td>- (6)</td>
<td>- (7)</td>
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<td>SC-J2SJ4PW1C03M</td>
<td>SC-J2SJ4PW3C1M</td>
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<td>MR-J2S-160A</td>
<td>HC-DF16S (B)</td>
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<td>MR-J2S-170A</td>
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<td>MR-J2S-180A</td>
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<td>MR-J2S-190A</td>
<td>HC-DF19S (B)</td>
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<td>MR-J2S-200A</td>
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<td>MR-J2S-210A</td>
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<td>MR-J2S-230A</td>
<td>HC-VF23S (B)</td>
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<td>MR-J2S-240A</td>
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<td>MR-J2S-260A</td>
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<td>MR-J2S-280A</td>
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<td>SC-J2SJ4PW3C1M</td>
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</tr>
</tbody>
</table>

### Notes
- **Type A (400V AC)**
- **Primary package replacement model**: Replacing only servo amplifier
- **Secondary package replacement model**: Replacing servo amplifier and servo motor together
- **Existing model**
- **Primary replacement model**
- **Secondary replacement / package replacement model**
- **Compatibility**: Compatable, ≠ Incompatible

---

## Reference
Refer to page 9 for the applicable precautions.
## Renewal Replacement Combination Table

### Type B (100V/200V AC)

<table>
<thead>
<tr>
<th>Existing model</th>
<th>Primary replacement model</th>
<th>Secondary replacement / package replacement model</th>
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<tbody>
<tr>
<td>-----------------</td>
<td>-------------------------</td>
<td>---------------------------------</td>
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<tr>
<td>MR-J2S-10B(1)</td>
<td>HC-KFS03(B)</td>
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<tr>
<td>MR-J5S-06H</td>
<td>HC-SP06H(R)</td>
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### Type B (400V AC)

<table>
<thead>
<tr>
<th>Existing model</th>
<th>Primary replacement model</th>
<th>Secondary replacement / package replacement model</th>
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<tr>
<td>-----------------</td>
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</tr>
<tr>
<td>MR-J2S-10B(1)</td>
<td>HC-KFS03(B)</td>
<td>SC-J2SBH4T0K</td>
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<tr>
<td>MR-J5S-06H</td>
<td>HC-SP06H(R)</td>
<td>SC-J2SBH4T0K</td>
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</table>

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Refer to page 9 for the applicable precautions.
### Renewal Replacement Combination Table

<table>
<thead>
<tr>
<th>Type CP (*)</th>
<th>Servo amplifier model</th>
<th>Primary/package replacement model (3, 4)</th>
<th>Secondary replacement / package replacement model</th>
<th>Motor side conversion cable model (18)</th>
<th>Encoder conversion cable model</th>
<th>Brake conversion cable</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Servo motor model</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small capacity, low inertia HC-KFS Series standard, with brakes (B) indicates with brakes</td>
<td>MR-J2S-500CP(1)</td>
<td>HC-KFS502(B)</td>
<td>MR-J4-500A(1)-RU</td>
<td>SC-J2SCP2KT53K</td>
<td>SC-J2SCP2KT53K</td>
<td>SC-J2SCP2KT53K</td>
</tr>
<tr>
<td></td>
<td>MR-J2S-200CP(1)</td>
<td>HC-KFS202(B)</td>
<td>MR-J4-200A(1)-RU</td>
<td>SC-J2SCP2KT23K</td>
<td>SC-J2SCP2KT23K</td>
<td>SC-J2SCP2KT23K</td>
</tr>
<tr>
<td></td>
<td>MR-J2S-100CP(1)</td>
<td>HC-KFS102(B)</td>
<td>MR-J4-100A(1)-RU</td>
<td>SC-J2SCP2KT13K</td>
<td>SC-J2SCP2KT13K</td>
<td>SC-J2SCP2KT13K</td>
</tr>
<tr>
<td>Medium capacity, medium inertia HC-MFS Series standard, with brakes (B) indicates with brakes</td>
<td>MR-J2S-500CP(1)</td>
<td>HC-MFS502(B)</td>
<td>MR-J4-500A(1)-RU</td>
<td>SC-J2SCP2KT53K</td>
<td>SC-J2SCP2KT53K</td>
<td>SC-J2SCP2KT53K</td>
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<tr>
<td></td>
<td>MR-J2S-200CP(1)</td>
<td>HC-MFS202(B)</td>
<td>MR-J4-200A(1)-RU</td>
<td>SC-J2SCP2KT23K</td>
<td>SC-J2SCP2KT23K</td>
<td>SC-J2SCP2KT23K</td>
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<tr>
<td></td>
<td>MR-J2S-100CP(1)</td>
<td>HC-MFS102(B)</td>
<td>MR-J4-100A(1)-RU</td>
<td>SC-J2SCP2KT13K</td>
<td>SC-J2SCP2KT13K</td>
<td>SC-J2SCP2KT13K</td>
</tr>
<tr>
<td>Large capacity, super low inertia HC-RFS Series standard, with brakes (B) indicates with brakes</td>
<td>MR-J2S-500CP(1)</td>
<td>HC-RFS502(B)</td>
<td>MR-J4-500A(1)-RU</td>
<td>SC-J2SCP2KT53K</td>
<td>SC-J2SCP2KT53K</td>
<td>SC-J2SCP2KT53K</td>
</tr>
<tr>
<td></td>
<td>MR-J2S-200CP(1)</td>
<td>HC-RFS202(B)</td>
<td>MR-J4-200A(1)-RU</td>
<td>SC-J2SCP2KT23K</td>
<td>SC-J2SCP2KT23K</td>
<td>SC-J2SCP2KT23K</td>
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<tr>
<td></td>
<td>MR-J2S-100CP(1)</td>
<td>HC-RFS102(B)</td>
<td>MR-J4-100A(1)-RU</td>
<td>SC-J2SCP2KT13K</td>
<td>SC-J2SCP2KT13K</td>
<td>SC-J2SCP2KT13K</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Servo amplifier model</th>
<th>Primary/package replacement model (3, 4)</th>
<th>Secondary replacement / package replacement model</th>
<th>Motor side conversion cable model (18)</th>
<th>Encoder conversion cable model</th>
<th>Brake conversion cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Servo motor model</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small capacity, low inertia HC-KFS Series standard, with brakes (B) indicates with brakes</td>
<td>MR-J2S-500CP(1)</td>
<td>HC-KFS502(B)</td>
<td>MR-J4-500A(1)-RU</td>
<td>SC-J2SCP2KT53K</td>
<td>SC-J2SCP2KT53K</td>
</tr>
<tr>
<td></td>
<td>MR-J2S-200CP(1)</td>
<td>HC-KFS202(B)</td>
<td>MR-J4-200A(1)-RU</td>
<td>SC-J2SCP2KT23K</td>
<td>SC-J2SCP2KT23K</td>
</tr>
<tr>
<td></td>
<td>MR-J2S-100CP(1)</td>
<td>HC-KFS102(B)</td>
<td>MR-J4-100A(1)-RU</td>
<td>SC-J2SCP2KT13K</td>
<td>SC-J2SCP2KT13K</td>
</tr>
<tr>
<td>Medium capacity, medium inertia HC-MFS Series standard, with brakes (B) indicates with brakes</td>
<td>MR-J2S-500CP(1)</td>
<td>HC-MFS502(B)</td>
<td>MR-J4-500A(1)-RU</td>
<td>SC-J2SCP2KT53K</td>
<td>SC-J2SCP2KT53K</td>
</tr>
<tr>
<td></td>
<td>MR-J2S-200CP(1)</td>
<td>HC-MFS202(B)</td>
<td>MR-J4-200A(1)-RU</td>
<td>SC-J2SCP2KT23K</td>
<td>SC-J2SCP2KT23K</td>
</tr>
<tr>
<td></td>
<td>MR-J2S-100CP(1)</td>
<td>HC-MFS102(B)</td>
<td>MR-J4-100A(1)-RU</td>
<td>SC-J2SCP2KT13K</td>
<td>SC-J2SCP2KT13K</td>
</tr>
<tr>
<td>Large capacity, super low inertia HC-RFS Series standard, with brakes (B) indicates with brakes</td>
<td>MR-J2S-500CP(1)</td>
<td>HC-RFS502(B)</td>
<td>MR-J4-500A(1)-RU</td>
<td>SC-J2SCP2KT53K</td>
<td>SC-J2SCP2KT53K</td>
</tr>
<tr>
<td></td>
<td>MR-J2S-200CP(1)</td>
<td>HC-RFS202(B)</td>
<td>MR-J4-200A(1)-RU</td>
<td>SC-J2SCP2KT23K</td>
<td>SC-J2SCP2KT23K</td>
</tr>
<tr>
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<td>MR-J2S-100CP(1)</td>
<td>HC-RFS102(B)</td>
<td>MR-J4-100A(1)-RU</td>
<td>SC-J2SCP2KT13K</td>
<td>SC-J2SCP2KT13K</td>
</tr>
</tbody>
</table>

1. Refer to the Mitsubishi Electric System & Service web site for motors with reduction gears and models not listed above.
2. When the gain of the existing servo amplifier is extremely high, the characteristics may differ slightly if a primary replacement is made. Always set the gain again.
3. The replacement servo amplifier, SERCNET conversion unit and renewal kit are common for the primary, secondary and package replacements.
4. Purchase from Mitsubishi Electric Corp.
5. When making a primary replacement, the amplifier software version may differ according to the supported motor. Consult with Mitsubishi Electric Corp. when placing an order.
6. When replacing the motor, the motor’s moment of inertia will differ from the original motor. Pay attention to the load moment of inertia rate. The operation pattern may need to be reviewed depending on the existing system. Refer to the "Guide for Replacing MELSERVO-J2S/J2M Series with J4 Series L (NA) 03092" issued by Mitsubishi Electric for details on the motor specifications.
7. Note that the entire length of the motor will be shorter, so the motor connector may interfere with the system side.
8. If the servo amplifier must be replaced again for the secondary replacement, a package replacement is recommended.
9. The renewal kit cannot be used with the secondary replacement or package replacement, as the servo amplifier’s dimensions could vary greatly because of a change in servo amplifier capacity. Use the amplifier conversion cable set in this case.
10. A new encoder cable must be connected when replacing the motor. Contact Mitsubishi Electric System & Service to purchase a new cable.
11. When replacing the motor, the new motor will not have a cooling fan. The existing wiring will no longer be required, so always insulate it.
12. Without brakes SC-J2SFAPW1C03M-B With brakes SC-J2SFAPB1C03M
13. The renewal kit is not required for this combination. Purchase only the amplifier conversion cable if necessary.
15. The existing cable can be used SC-HAJ3ENM3C1M
16. Existing cable can be used SC-HAJ3ENM3C1M Existing cable can be used
17. Existing cable can be used SC-HAJ3ENM3C1M Existing cable can be used
18. Built-into power conversion cable
19. Without brakes SC-J2SFAPW1C03M-B With brakes SC-J2SFAPB1C03M

Visit the Mitsubishi Electric System & Service website for replacing motor models not listed in the replacement combination table. http://www.melsc.co.jp/business/
Outline dimensions

Renewal kit (for 100V/200V AC)
Renewal kit (for 100V/200V AC)

- SC-J2S(B)J4KT15K
- SC-J2S(B)J4KT22K

*1. Mounting of the MR-J2S cooling fin external extension attachment is not supported.

Amplifier conversion cable

- Encoder conversion cable (common for all models)
- Monitor conversion cable (for Type A 7kW or smaller, Type CP)
- Control signal conversion cable (for Type A, Type CP)
- 24V DC power connection cable (common for all models)
- Amplifier monitor conversion cable (for Type A, 11kW or more)
- Control signal conversion cable (for Type B, 7kW or less)
- Control signal conversion cable (for Type B, 11kW or more)
### Renewal kit (for 400V AC) / using mounting attachment (for 100V/200V AC)

#### SC-J2SJ4BS01

- **MR-J4** 200V amplifier: for 0.7, 1kW

*1: With battery mounted

#### SC-J2SJ4BS02

- **MR-J4** 400V amplifier: for 0.6, 1kW

*1: With battery mounted

#### SC-J2SJ4BS03

- **MR-J4** 200V amplifier: for 2, 3.5kW
- **MR-J4** 400V amplifier: for 2kW

*1: With battery mounted

#### SC-J2SJ4BS04

- **MR-J4** 200V/400V amplifier: for 7kW
- **MR-J4** 200V amplifier: for 5kW
- **MR-J4** 400V amplifier: for 3.5kW

#### SC-J2SJ4BS05

- **MR-J4** 200V/400V amplifier: for 7kW

#### SC-J2SJ4BS06

- **MR-J4** 200V/400V amplifier: for 11, 15kW

*2. Mounting of the MR-J2S cooling fin external extension attachment is not supported.
### Mounting attachment selection table

<table>
<thead>
<tr>
<th>Model</th>
<th>Applicable amplifier</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-J2S4BS01</td>
<td>MR-J4 200V amplifier: for 0.7, 1kW</td>
<td>Mounting plate (base ×1, amplifier base ×1)</td>
</tr>
<tr>
<td>SC-J2S4BS02</td>
<td>MR-J4 400V amplifier: for 0.6, 1kW</td>
<td>Mounting plate (amplifier base ×1)</td>
</tr>
<tr>
<td>SC-J2S4BS03</td>
<td>MR-J4 200V amplifier: for 2, 3.5kW / MR-J4 400V amplifier: for 2kW</td>
<td>Mounting plate (base ×1, amplifier base ×1)</td>
</tr>
<tr>
<td>SC-J2S4BS04</td>
<td>MR-J4 200V amplifier: for 5kW / MR-J4 400V amplifier: for 3.5kW</td>
<td>Mounting plate (amplifier base ×1)</td>
</tr>
<tr>
<td>SC-J2S4BS05</td>
<td>MR-J4 200V/400V amplifier: for 7kW</td>
<td>Mounting plate (amplifier base ×1)</td>
</tr>
<tr>
<td>SC-J2S4BS06</td>
<td>MR-J4 200V/400V amplifier: for 11, 15kW</td>
<td>Mounting plate (base ×1, amplifier base ×1)</td>
</tr>
<tr>
<td>SC-J2S4BS07</td>
<td>MR-J4 200V/400V amplifier: for 22kW</td>
<td>Mounting plate (base ×1, amplifier base ×1)</td>
</tr>
<tr>
<td>SC-J2S4BS08</td>
<td>MR-J4 400V amplifier: for 30kW</td>
<td>Mounting plate (amplifier base frame ×1, base ×1)</td>
</tr>
<tr>
<td>SC-J2S4BS09</td>
<td>MR-J4 200V amplifier: for 30, 37kW / MR-J4 400V amplifier: for 37, 45, 55kW</td>
<td>Mounting plate (amplifier base frame ×1, base ×1)</td>
</tr>
</tbody>
</table>

*2. The mounting attachment is common for Type A, Type B and Type CP.*
Mitsubishi Electric Corp. related materials

Mitsubishi Electric Corp. catalog

Renewal catalog explaining replacement of MR-J2S System with MR-J4

MR-J2S Renewal Catalog L (NA) 03091A

Mitsubishi Electric Corp. Replacement Guide

Guide explaining replacement of MR-J2S System with MR-J4. Refer to this guide for details on the parameter settings and option settings, etc.


L (NA) 03093

General-Purpose AC Servo MR-J2S Series

Notice of Discontinuation

Production of the Mitsubishi general-purpose AC servo MR-J2S Series will be discontinued in August 2015. Replacing to the MR-J4 Series using our renewal tool is recommended. Refer to the Mitsubishi Electric FA site (http://www.MitsubishiElectric.co.jp/fa/) for details on the products being discontinued.

Ordered production schedule
End of August 2014
The orders will be delivered 8 to 10 weeks after order is received.

Production discontinuation schedule
August 2015
Orders will not be accepted after August 31, 2015.

Repair and Part Supply Schedule
August 2022
Orders will be accepted until August 31, 2022.

* We will continue to provide support until August 31, 2022.

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MITSUBISHI ELECTRIC SYSTEM & SERVICE CO., LTD.
OVERSEAS SERVICE SUPPORT SECTION
Email: osb.webmaster@melsc.jp