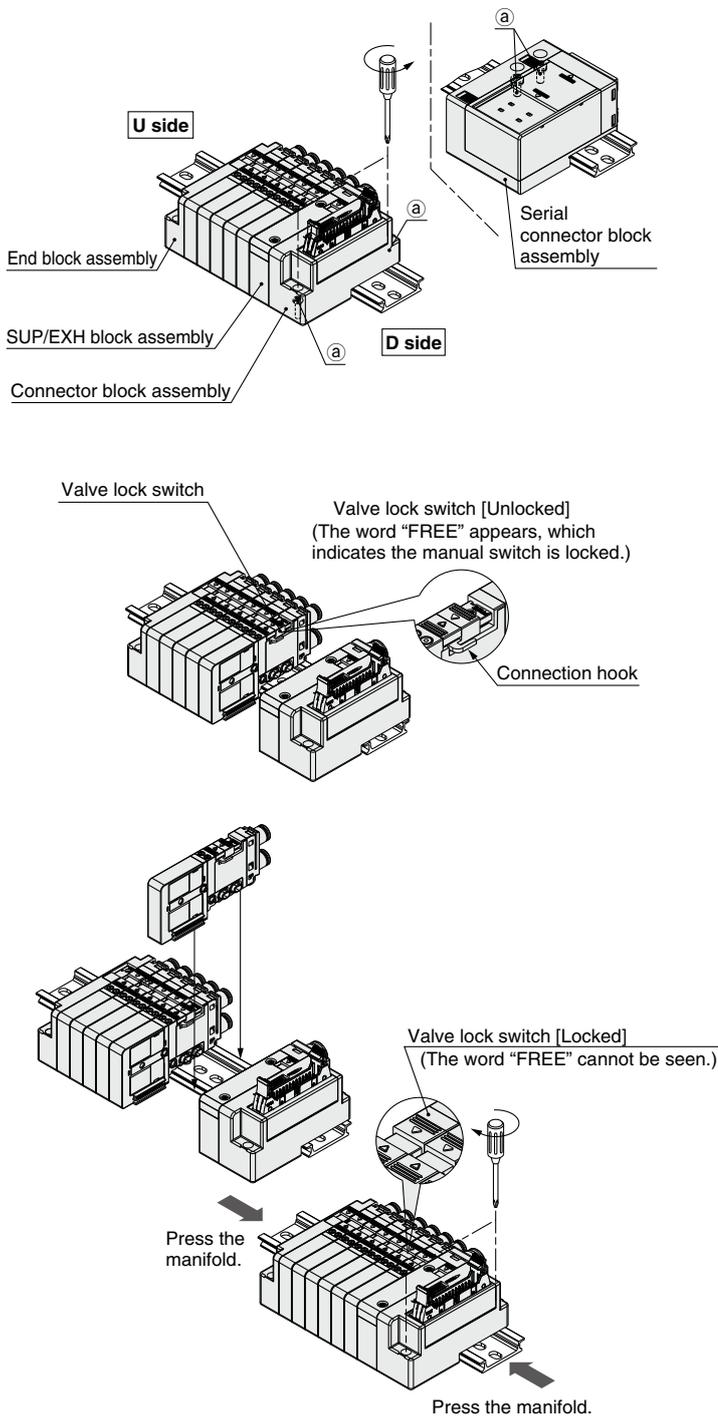


SJ1000/2000/3000 Series

How to Increase Manifold Stations

Connector Type

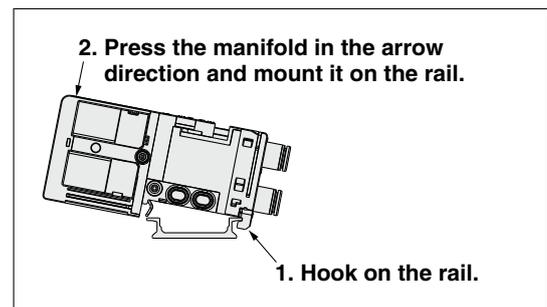


1 Loosen threads (a), which are fixed onto the DIN rail (two locations on one side).

2 In the direction of the coil, slide the valve where the station is desired to add and the valve lock switch on each block.

(If blocks are removed without completely releasing the valve lock switch, the connection hook of that switch could be damaged or deformed.)

3 Install an additional valve or a SUP/EXH block assembly on the DIN rail.



A manifold equipped with a valve or a block assembly can be mounted on the DIN rail. However, a serial connector block assembly cannot be mounted on the DIN rail when it is connected with another block; the serial connector block must be mounted separately.

4 Press the valves and block assemblies to each other for connection. Press the valve lock switch in the cylinder port direction until it does not go any further. Fasten threads (a) onto the DIN rail.

(After fixing the connector block assembly, fasten the threads onto the end block assembly while holding it lightly by hand. This is necessary to improve sealing.)

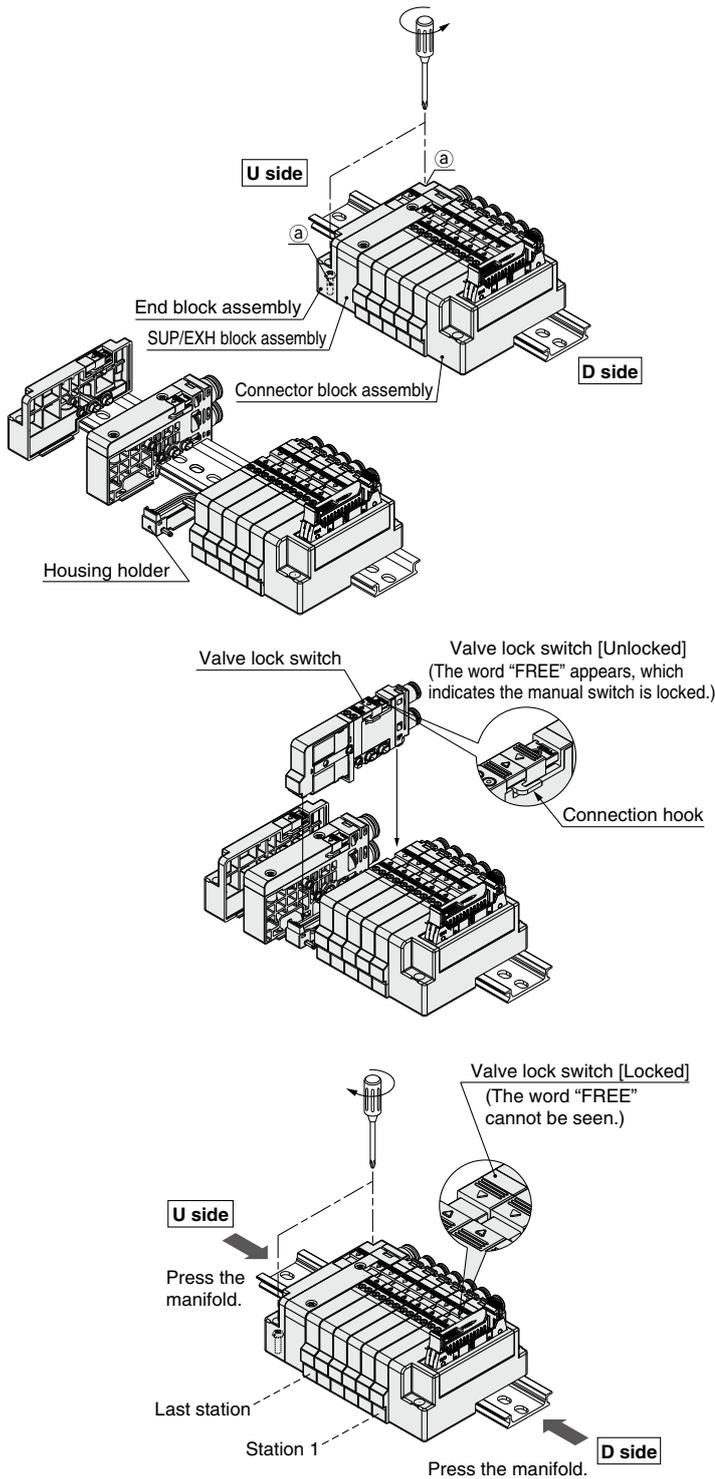
⚠ Caution (D-sub, Connector block assembly for flat ribbon cable, End block assembly M3: 0.6 N·m
Connector block assembly for EX180 serial wiring M4: 1.4 N·m
Mounting bracket for EX510 serial wiring M4: 0.6 N·m)

⚠ Caution

1. Be sure to turn off the power and stop the supply of air before disassembly. Furthermore, since air may remain inside the actuator, piping, and manifold, confirm that the air is completely exhausted before performing any work.
2. After assembly and disassembly, air leakage could occur if blocks are not well connected or a thread is not tightly fastened onto the end block assembly. Before supplying air, make sure that no gaps exist in between blocks and that the valve and block are tightly fastened onto the DIN rail. Also, make sure that air is not leaking before use.
3. For the SJ3A6 series manifold with vacuum release valve with restrictor, there is no valve lock switch for connecting, so when mounting, tighten the screws after checking that there are no gaps between valves.

SJ1000/2000/3000 Series

Cable Type



⚠ Caution

To increase a manifold station, a housing holder (refer to the table below) is required in addition to the solenoid valve.

For the manifold with less than the max. number of stations, spare housing (for one station) for adding the manifold station is stored in the housing holder of the last station or the SUP/EXH block assembly. To increase a manifold station, follow the steps below to disassemble and reassemble the manifold.

Series	Housing holder part no.	Material	Note
SJ2000	SJ2000-86-1	Resin	White
SJ3000	SJ3000-86-1		

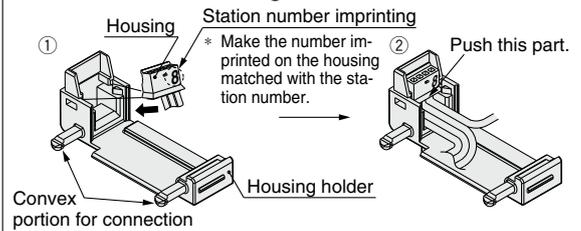
1 Loosen threads ①, which are fixed onto the DIN rail (two locations).

[* To replace the DIN rail, also loosen the screws (2 locations) on the connector block assembly.]

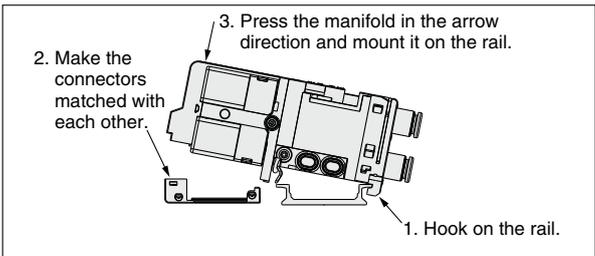
2 Slide the valve lock switch on each block toward the coil, and then remove the end block assembly and SUP/EXH block assembly.

3 Take out the stored housing for adding the manifold station and assemble it to a newly added housing holder. Insert this housing holder next to the current housing holder.

How to mount the housing



- Mount the housing in the arrow direction.
- Push in the housing securely using a flat blade screwdriver.



4 Press the valves and block assemblies to each other for connection. Press the valve lock switch in the cylinder port direction until it does not go any further. Fasten threads ① onto the DIN rail. Connect the added valve and SUP/EXH block, and then fasten the DIN rail fixing screws on the end block on the U side.

(After fixing the connector block assembly, fasten the threads onto the end block assembly while holding it lightly by hand. This is necessary to improve sealing.)

⚠ Caution D-sub, Connector block assembly for flat ribbon cable, End block assembly M3: 0.6 N-m

⚠ Caution

- When adding a valve and SUP/EXH block, add the valve to the U side of the last station, and then add the SUP/EXH block assembly to its U side. The SUP/EXH block cannot be added to a position adjacent to the connector block assembly or an intermediate position.
- Be sure to turn off the power and stop the supply of air before disassembly. Furthermore, since air may remain inside the actuator, piping, and manifold, confirm that the air is completely exhausted before performing any work.
- After assembly and disassembly, air leakage could occur if blocks are not well connected or a thread is not tightly fastened onto the end block assembly. Before supplying air, make sure that no gaps exist in between blocks and that the valve and block are tightly fastened onto the DIN rail. Also, make sure that air is not leaking before use.
- For the SJ3A6 series manifold with vacuum release valve with restrictor, there is no valve lock switch for connecting, so when mounting, tighten the screws after checking that there are no gaps between valves.