

**How to Increase Manifold Base (Series SY9000 only)** Manifold case can be added at any location.

When a type 43 manifold base is added, tension bolts as well as manifold block assembly will be required. Order the tension bolt suitable for the stations after a station was increased (decreased), since the length of a tension bolt differs by the number of stations. (For changing the number of stations for a type 43P manifold, wiring unit for the stations and lead assembly will be required.)

- 1 Loosen the tension bolts connecting the manifold base, and pull out both of 2 tension bolts.

(When equipped with a DIN rail, loosen one DIN rail holding screw on either U side or D side.)

- 2 Separate the blocks at the location where station expansion is desired.

- 3 Mount additional manifold block assembly.

- 4 Press block-to-block so that there's no gap. After connection, insert a tension bolt for desired stations and then tighten it.

**⚠ Caution** (Tightening torque: 2.9 N·m)

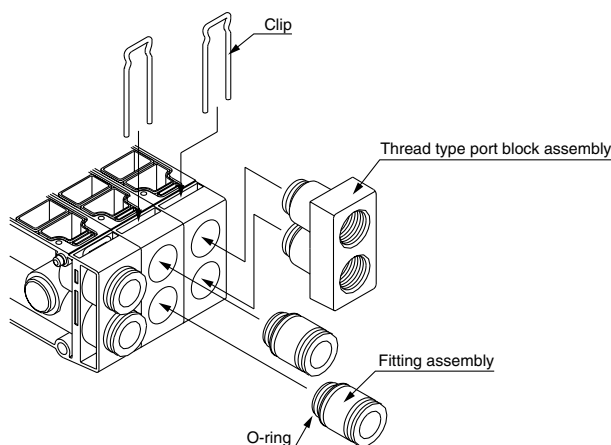
(When equipped with a DIN rail, be sure to tighten the DIN rail holding screws after tightening the tension bolts. Tightening torque: 1.4 N·m)

**⚠ Caution**

1. Be sure to shut off the power and air supplies 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. When disassembly and assembly are performed, air leakage may result if connections between blocks and tightening of the end block's holding screw, is inadequate.
3. By adding wiring unit assembly to type 43 manifold, it can be changed to type 43P manifold, too.

**How to Replace A, B Port Fitting Assembly**

By replacing manifold block fitting assemblies or the threaded port block assembly of a type 43(P) manifold, the port size of the A and B ports can be changed. To replace these parts, remove the clip with a flat head screwdriver after the valve has been removed. Insert the fitting assemblies or threaded port block assembly, and then reinsert the clip so that it does not protrude from the manifold block.

**Fitting Assembly Part No.**

| Port size                                | Part no.        | Note  |
|--|-----------------|---|
| One-touch fitting assembly for $\phi 8$  | VVQ4000-50B-C8  |   |
| One-touch fitting assembly for $\phi 10$ | VVQ4000-50B-C10 |   |
| One-touch fitting assembly for $\phi 12$ | VVQ4000-50B-C12 |   |
| One-touch fitting for $\phi 5/16$        | VVQ4000-50B-N9  |   |
| One-touch fitting for $\phi 3/8$         | VVQ4000-50B-N11 |   |
| $1/4$ threaded type port block assembly  | SY9000-58A-02*  | —* at the end of part number denotes the thread type. |
| $3/8$ threaded type port block assembly  | SY9000-58A-03*  | —* at the end of part number denotes the thread type. |
| Plug assembly                            | SY9000-62-1A    |   |

Note 1) Be careful to avoid damage or contamination of O-rings, as this can cause air leakage.

Note 2) Although replacing One-touch fittings of P, R port is also possible, use caution to the cases, etc. in which solenoid valves are often used at the same time by using the smaller sized fittings than the standard size ( $\phi 12$ ). Because there may not be able to supply or exhaust air sufficiently in comparison with the valve performances. Besides, although fittings used for A, B port are the same, it is not possible to use the threaded type port block assembly.