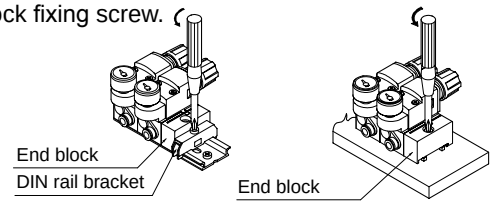
⚠ CAUTION

Disassembling and assembling the block manifold and replacing the cartridge fitting

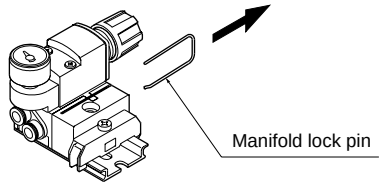
To change the regulator block when the regulator body or regulator block specifications change or when life has been reached, or when adding an air supply block, use the following procedures to expand, disassemble and assemble parts. Refer to the separate instruction manual for details. Stop the air pressure source supply and release residual pressure before starting disassembly work. After assembling parts, confirm that the lock pin is completely inserted in the coupling groove between blocks before use. When using DIN rail installing, confirm that the DIN rail bracket is securely fixed onto the end block with no gaps. When directly installing without a DIN rail, check that the end block is fixed with screw before use. Air could leak between blocks if the end block is not securely fixed.

Replacing the regulator block and air supply block

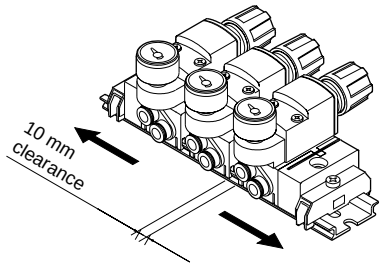
(1) When using the DIN rail, loosen the DIN rail bracket fixing screw.
When directly installing without a DIN rail, remove the end block fixing screw.



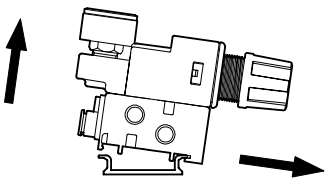
(2) Using a thin-tipped screwdriver, pull out the manifold lock pin coupling the regulator block and air supply block to be replaced.



(3) Slide the block to the end block side, and provide a space of 10 mm on each end of the block to be replaced. When installed directly, pull out blocks on both sides.



(4) Raise the pressure gauge side and pull the block toward the pressure adjustment knob to remove it from the DIN rail. When the DIN rail brackets on both sides are slid 2 mm or more from the end block, the entire manifold block can be removed.



(5) Replace with a new block.
(6) Check that there is no gap between blocks, and then insert the manifold lock pin until it contacts the bottom of the groove.
(7) With reference to the safety precautions and mounting methods, fix the manifold block.

Increasing the regulator and air supply block rows

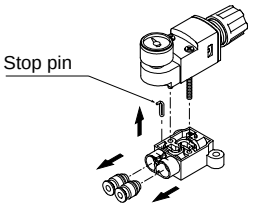
(1) If there are plans to add more blocks, order DIN rail length to allow for the expansion. If the DIN rail is too short when blocks are added, replace with a DIN rail that accommodates the expansion.

(2) When installing with a DIN rail, fix DIN rail brackets. When directly installing without a DIN rail, fix the end block.

Replacing the cartridge fitting

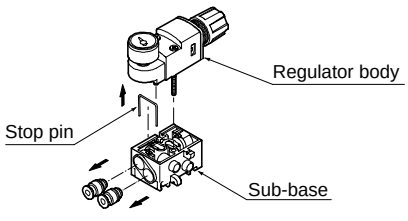
Replacing the compact regulator

(1) Loosen the screw on the regulator body, and disassemble the piping block.
(2) Using a flathead screwdriver, etc., remove the lock pin inserted onto the top of the sub-base. Replace the cartridge fitting. Confirm that there is no debris, etc., on the fitting's O-ring, and then assemble it in the original position.
Tighten the regulator body tightening screw with a torque of 0.5 to 0.8 N·m.

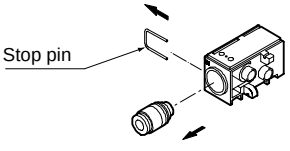


Replacing the block manifold

(1) Disassemble the block following the regulator block and air supply block replacement procedures.
(2) To replace the regulator block's cartridge fitting, loosen the screw on the regulator body, and disassemble the sub-base. Using a flathead screwdriver, etc., remove the lock pin inserted onto the top of the sub-base. Replace the cartridge fitting. Confirm that there is no dirt, etc., on the fitting's O-ring, and then assemble it in the original position.
Tighten the regulator body tightening screw with a torque of 0.5 to 0.8 N·m.



To replace the air supply block cartridge fitting, remove the lock pin inserted on the air supply block side with a flathead screwdriver, etc. Then replace the cartridge fitting.



(3) Check that the cartridge fitting is fixed with the lock pin and that it will not come out.