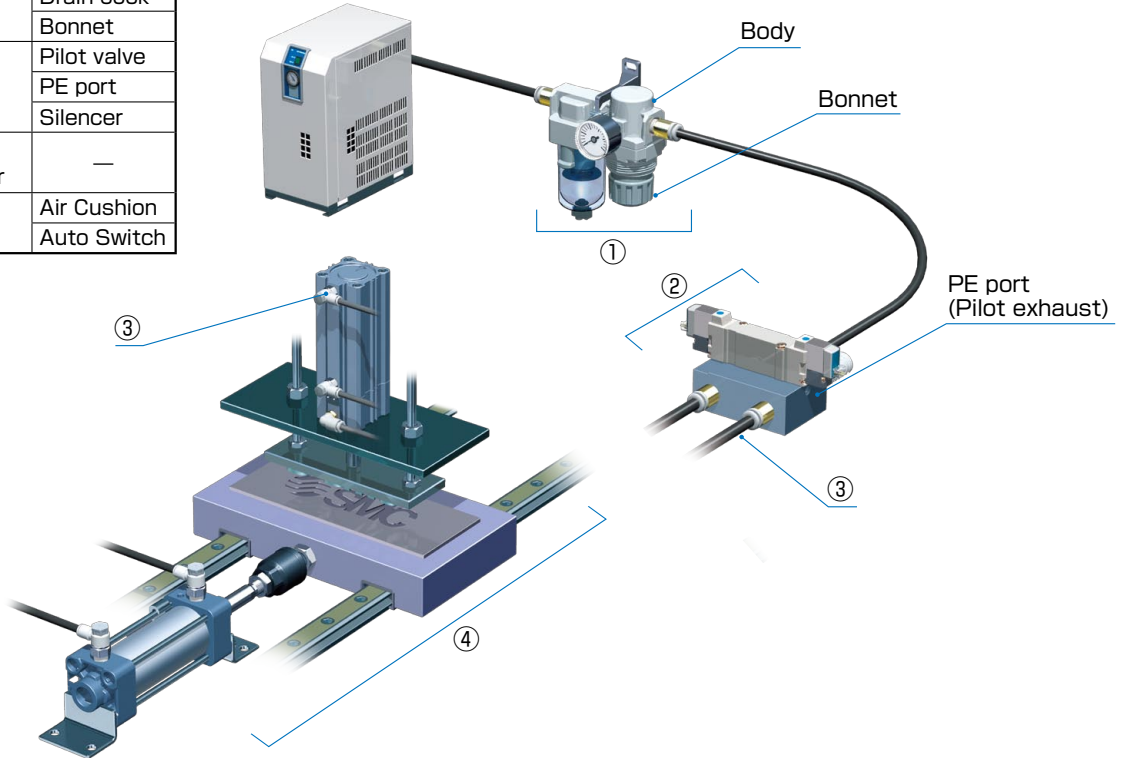


Check location	Description	Related items
①	Filter/Regulator	Drain cock Bonnet
②	Solenoid valve	Pilot valve PE port Silencer
③	Fitting/Tubing/ Speed controller	—
④	Air cylinder	Air Cushion Auto Switch



Check location		Detailed status	[Probable cause] and Actions
①	Filter/Regulator	<input type="checkbox"/> Pressure gauge is deviating abnormally.	[Pressure fluctuation] · Secure the flow rate. [Clogging of air filter] · Replace air filter elements
②	Solenoid valve	<input type="checkbox"/> Silencer is clogged.	[Operation trouble caused by back pressure] · Remove foreign (drain) objects · Replace silencers
		<input type="checkbox"/> There is always leakage from the silencer.	[Foreign matter caught in solenoid valve] · Replace solenoid valves · Purify the air. *1 [Wear of cylinder piston seal] · Replace piston seal
③	Fitting/Tubing	<input type="checkbox"/> Bent or flattened	[Insufficient pressure and flow rates] · Reconnect tubing.
③	Speed controller	<input type="checkbox"/> Meter-in is being used.	[Pressure fluctuation] · Consider using meter-out.
		<input type="checkbox"/> Speed controller is used while valve is excessively tightened. (Driven at low speed.)	[Driven at piston speed or below] · Review speed setting. * Smooth cylinder * Low-speed cylinder
④	Rod	<input type="checkbox"/> Scratches on rod surface	[Increase of sliding resistance] [Lateral load/Moment] [Foreign matter adhesion] · Replace cylinders
		<input type="checkbox"/> There is splashing or adhesion of dust, water, welding spatter, etc.	[Increase of sliding resistance] [Flowing of grease due to surrounding environment] · Replace cylinder rod seal
		<input type="checkbox"/> Out of grease	· Replace with a cylinder equipped with dust, water resistance, and welding spatter measures.
	Load/Guide	<input type="checkbox"/> Floating mechanism is not installed.	[Increase of sliding resistance] [Lateral load/Moment] · Install floating mechanism.
		<input type="checkbox"/> Guide and rods are off center.	· Readjust alignment. * Check the minimum operating pressure.
		<input type="checkbox"/> Insufficient guide lubricant	[Increase of sliding resistance] · Apply lubricant.
		<input type="checkbox"/> There is a load fluctuation.	[Meter-in is being used] Consider using meter-out.
	Operation and environment	<input type="checkbox"/> Driven at low speed.	[Driven at piston speed or below] · Review speed setting. * Smooth cylinder * Low-speed cylinder
		<input type="checkbox"/> Quick extension phenomenon is occurring.	[Deterioration of back pressure] [Load fluctuation] · Consider using dual speed controller.

\*1 The purification measures for the air are to ① install an air dryer or air filter, and ② check if the air dryer and air filter are operating normally.