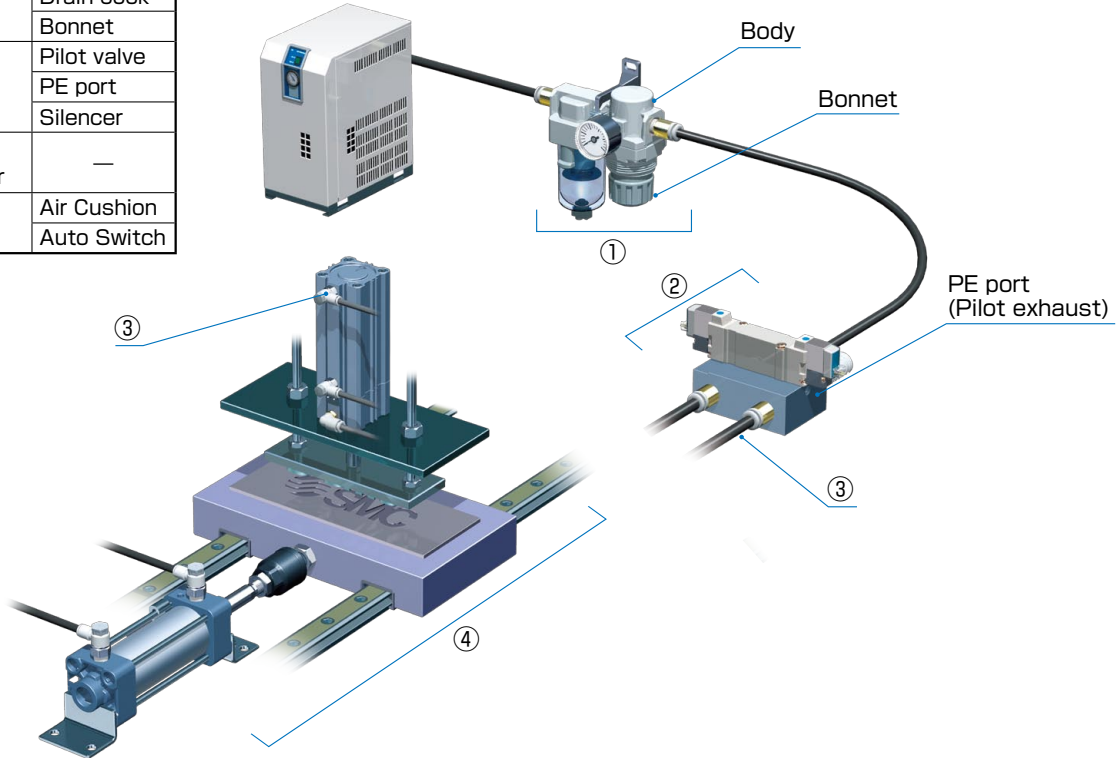


Check location	Description	Related items
①	Filter/Regulator	Drain cock Bonnet
②	Solenoid valve	Pilot valve PE port Silencer
③	Fitting/Tubing/ Speed controller	—
④	Air cylinder	Air Cushion Auto Switch



Check location	Detailed status	[Probable cause] and Actions	
① Filter/Regulator	<input type="checkbox"/> IN and OUT piping is connected in reverse.	[Insufficient pressure and flow rates] • Reconnect piping.	
② Solenoid valve	<input type="checkbox"/> Specified power is not supplied.	[Insufficient voltage] [Broken wire] • Check the power supply	
	<input type="checkbox"/> Light does not turn ON with electric signal.	[Foreign matter caught in solenoid valve] • Replace solenoid valves • Purify the air. *1	
	<input type="checkbox"/> Does not switch by manual operation.	[Insufficient pressure] • Change to operating pressure range. • Consider external pilot type.	
	<input type="checkbox"/> Minimum operating pressure or more is not supplied.	[Operation trouble caused by pilot back pressure] • Open or attach silencer.	
	<input type="checkbox"/> PE port is plugged.	[Operation trouble caused by back pressure] • Remove foreign (drain) objects • Replace silencers	
③ Fitting/Tubing	<input type="checkbox"/> Silencer is clogged.	[Foreign matter caught in solenoid valve] • Replace solenoid valves • Purify the air. *1 [Wear of cylinder piston seal] • Replace piston seal	
	<input type="checkbox"/> Bent or flattened	[Insufficient pressure and flow rates] • Reconnect tubing.	
③ Speed Controller	<input type="checkbox"/> Restrictor is not adjusted properly.	[Fully closed] • Needle adjustment	
④ Air Cylinder	Air Cushion <input type="checkbox"/> Not adjusted	[Increase of sliding resistance] [Lateral load/Moment] • Install floating mechanism. • Readjust alignment.	
	Load/Guide <input type="checkbox"/> Floating mechanism is not installed.	[Positional deviation] [Broken wire] [Over-current] • After confirming operation, reattach. • Replace auto switches	
	Auto Switch <input type="checkbox"/> Does not turn ON or OFF. Does not turn ON. (Does not operate.)	<input type="checkbox"/> Fixed position has deviated.	[Positional deviation by vibration, etc.] • Reattach
		<input type="checkbox"/> There is scratching on body. There are scratches or cuts in cable.	• Replace auto switches
	Operation (Failure) <input type="checkbox"/> Does not reach required stroke.	<input type="checkbox"/> Does not reach required stroke.	[Guide and rods are off center] [Air cushion is completely closed] • Readjust [Positional deviation of stopper and shock absorber] • Readjust
		<input type="checkbox"/> Shock absorber is not functioning normally.	[Positional deviation of stopper and shock absorber] • Readjust [Shock absorber out of oil] • Replace shock absorbers

\*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.