

12.0 Problems, Causes, Solutions

12.1 Cylinder Rod Doesn't Extend

Problem	Cause	Solution
Cylinder rod doesn't extend	<ul style="list-style-type: none"> -Compressed air supply insufficient -Directional control valves not shifting -Sideloaded of the cylinder rod, (misalignment of the rod and tooling) -Air is not applied to the B2 cylinder port during the approach or retract stroke 	<ul style="list-style-type: none"> Increase air pressure Repair/replace valve Repair/install alignment coupling Repair control circuit

12.2 Cylinder Rod Doesn't Retract

Problem	Cause	Solution
Cylinder rod doesn't retract	<ul style="list-style-type: none"> -Compressed air supply insufficient -Directional control valves not shifting -Sideloaded of the cylinder rod, (misalignment of the rod and tooling) -Air is not applied to the B2 cylinder port during the approach or retract stroke 	<ul style="list-style-type: none"> Increase air pressure Repair/replace valve Repair/install alignment coupling Repair control circuit

12.3 Cylinder Will Not Develop Power Stroke

Problem	Cause	Solution
Cylinder will not develop power stroke	<ul style="list-style-type: none"> -Compressed air supply insufficient -Directional control valves not shifting -reservoir oil is low -insufficient power stroke for application -air has been allowed into the oil sections of the cylinder 	<ul style="list-style-type: none"> Increase air pressure Repair/replace valve Refill reservoir Vent and/or refill cylinder