

TB0411 Spindle Home Sensor Position

There have been instances where the cylinder rod on a spindle has sheared, dropping the spindle down into the path of the gripper. Because the cylinder is still sensed in the home position the machine head will continue to operate causing damage to the gripper.

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Solution

The Spindle Home Sensor position has been moved to pick up a magnet mounted to the rod end. This will mean that the control system will pick up that the spindle is not in its home position if the cylinder rod shears again.

The solution reuses the existing home position reed switch. This is mounted to a new bracket that is mounted to the nose end of the cylinder. A self-adhesive magnet, that the reed switch can sense, is fixed to the rod end.

Part Codes

D0015540	Spindle Home Sensor Bracket	8
M0001123	Ø12 Magnet Self-Adhesive	8
F0000186	M4 x 6 Button Head Screw	32