

On/Off Valves

Symptom	Correction
Valve will not open Valve will not close	<ul style="list-style-type: none"> - Verify voltage to the signal wire - Verify voltage to the constant 12V wire (red or orange light should be on) - Replace valve head
Valve rotates more than 90 degrees	<ul style="list-style-type: none"> - Adjust limit switch collar (See below picture) - Suggest crazy gluing after done as notches will slide easier as they are worn. Or replace with new limit switch collar from KZ
Valve goes from red to green but nothing happens	<ul style="list-style-type: none"> - Adjust limit switch collar (See below picture) - Suggest crazy gluing after done as notches will slide easier as they are worn. Or replace with new limit switch collar from KZ

On/Off Valve Troubleshooting

Keyway 12 o'clock position

10 o'clock Ground
2 o'clock Constant 12V
8 o'clock Signal 12V

10 to 2 - 12V
10 to 8 - 12V Boom On
10 to 8 - 12V Boom Off

16 pin Harness
Pin 1 - Ground
Boom 1 - Pin 6
Boom 2 - Pin 2
Boom 3 - Pin 5
Boom 4 - Pin 7
Boom 5 - Pin 8
Boom 6 - Pin 9

37 pin Harness
Pin 1 - Ground
Boom 1 - Pin 4
Boom 2 - Pin 5
Boom 3 - Pin 6
Boom 4 - Pin 7
Boom 5 - Pin 8
Boom 6 - Pin 9
Boom 7 - Pin 10
Boom 8 - Pin 11
Boom 9 - Pin 12

