

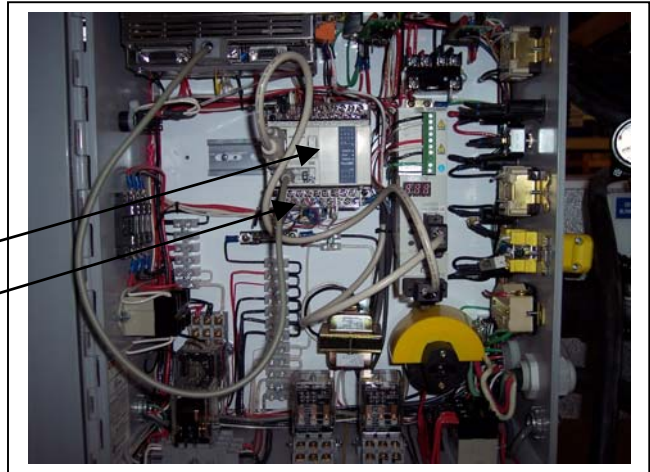
Blackmore PLC Cylinder Seeder Trouble-shooting

Cylinder head won't reverse

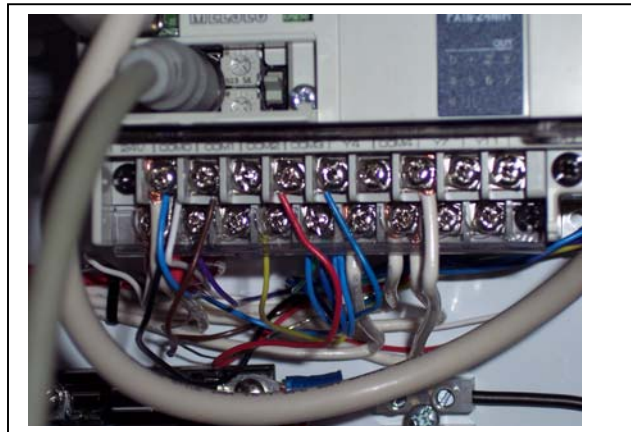
If the cylinder head won't reverse to return seeds to the seed inventory tray, you have probably lost a channel on the encoder and it will have to be replaced. Fortunately, there is an easy and quick temporary fix that will keep you going until a new encoder arrives. Replacing the encoder is a bit more involved, but not that hard for a customer to do. The fast fix is to install a jumper wire from the Y0 to Y2 terminal on the Mitsubishi PLC. No need to even remove the existing wire. See the pictures and directions below.

1) The terminal points Y0, Y2 that need to be jumped are on the bottom of the Mitsubishi PLC located in the middle of the control box of the machine. A brown wire goes to Y0, a red wire to Y2. You may disconnect the brown wire, but the red wire must remain.

PLC controller
Terminal strip



2) The translucent cover over the lower terminal strip may be removed if you wish (it just snaps on at each end, removed below for clarification) but there is certainly no need for you to remove it to install the jumper wire, cover is flipped up in photo on right.
3) Loosen the screw on each terminal Y0 and Y2, and install the jumper wire as shown, below right. A piece of single strand thermostat wire will probably work the easiest, but any wire you can install will get the job done. The cable above the terminal strip has been removed and its socket cover door closed for the pictures below and below right, to easily see the terminal strip.



Y0 Y2

