

Automatic Sweep Drop Module for Brunswick Pinsetters - GSX

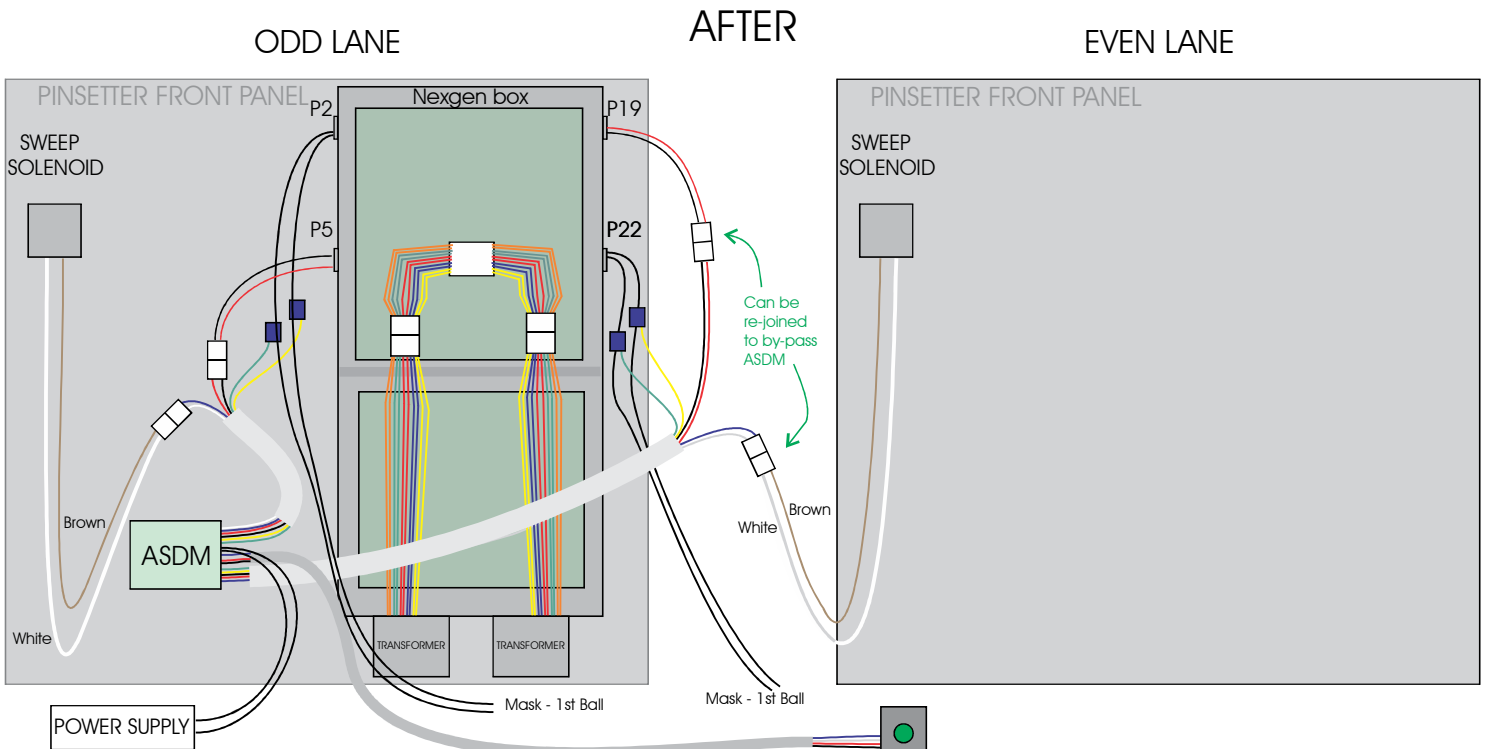
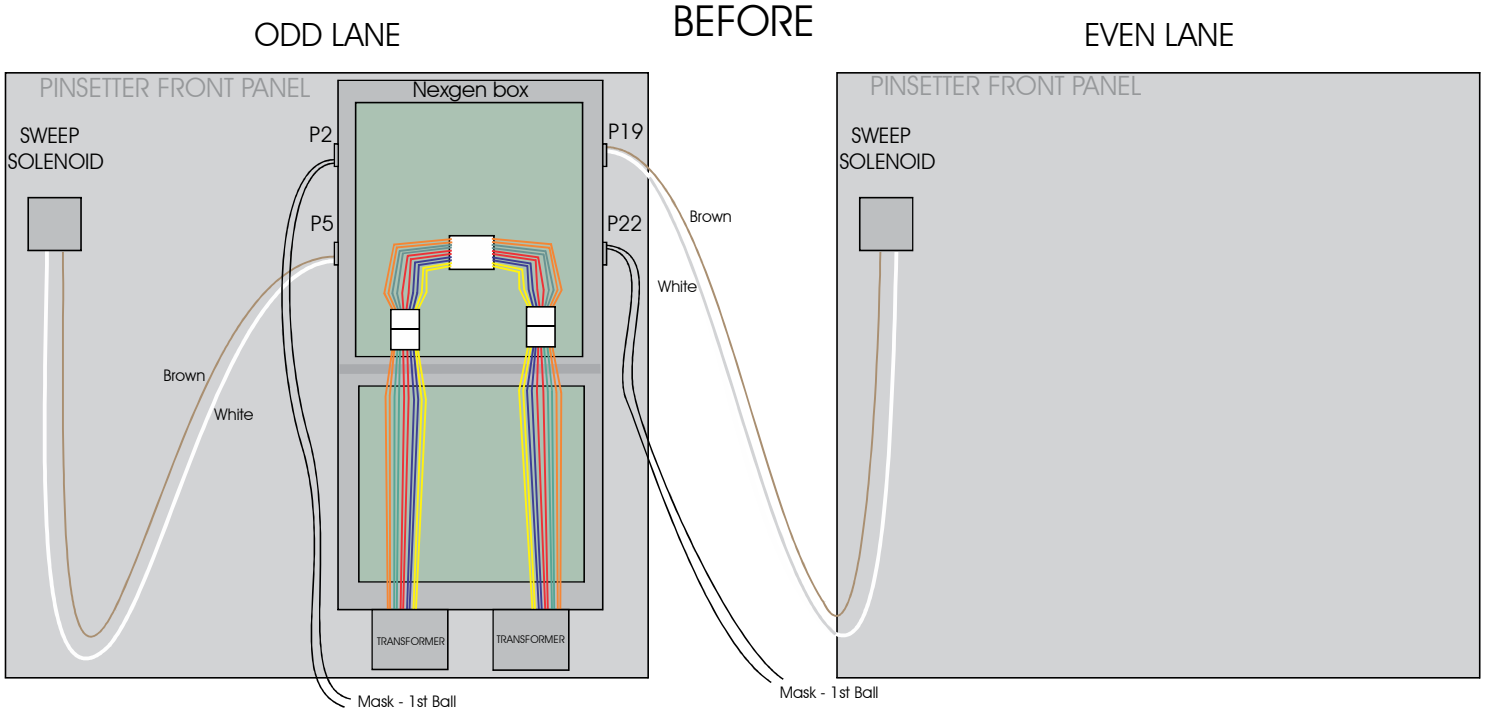
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The Automatic Sweep Drop Module (ASDM) will automatically drop the sweep when the Pinsetter is turned off as the games are finished.

Quick-connect plugs are used to connect the ASDM to the Pinsetter so that if necessary the original cables can be plugged back into each other. This means that the Pinsetter can be returned to its original wiring configuration in seconds.

The ASDM is totally low voltage - it is powered from an external power source of 24-26V AC or DC and uses the Pinsetter's own 24VDC Sweep Solenoid output to run the sweep down to the guard position when the machine is turned off.

The Sweep Drop function can be turned off at any time using the Rear Switch.



-  Tap-splice Connector 19 - 26 SWG
-  Plastic Connector 2 way w/crimp pins/sockets



ASDM Rear Switch
- turn the Auto Sweep Drop function on or off.
Useful for machine and lane maintenance.

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Installation Step by Step - ASDM to Brunswick GSX

INSTALLATION

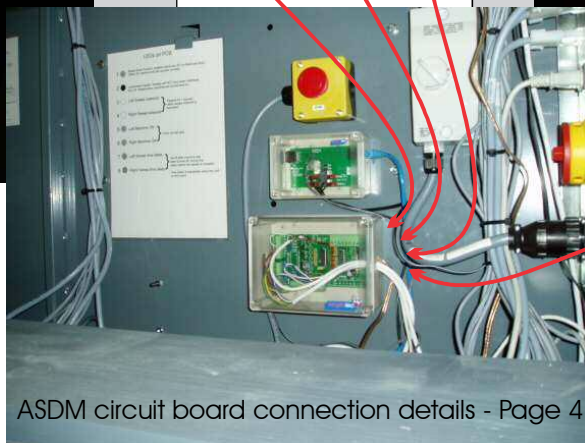
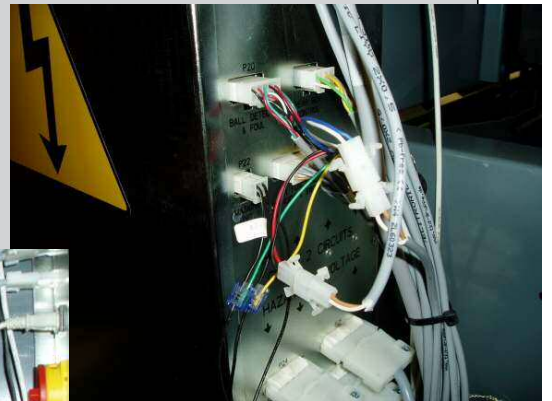
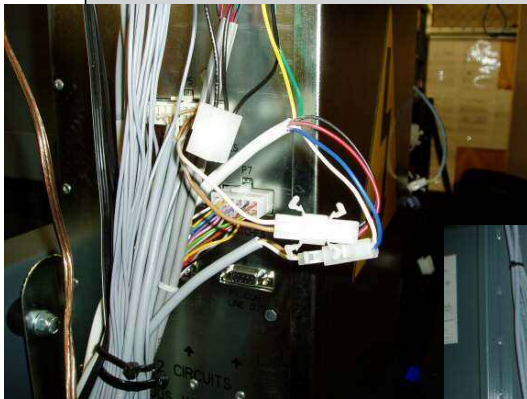
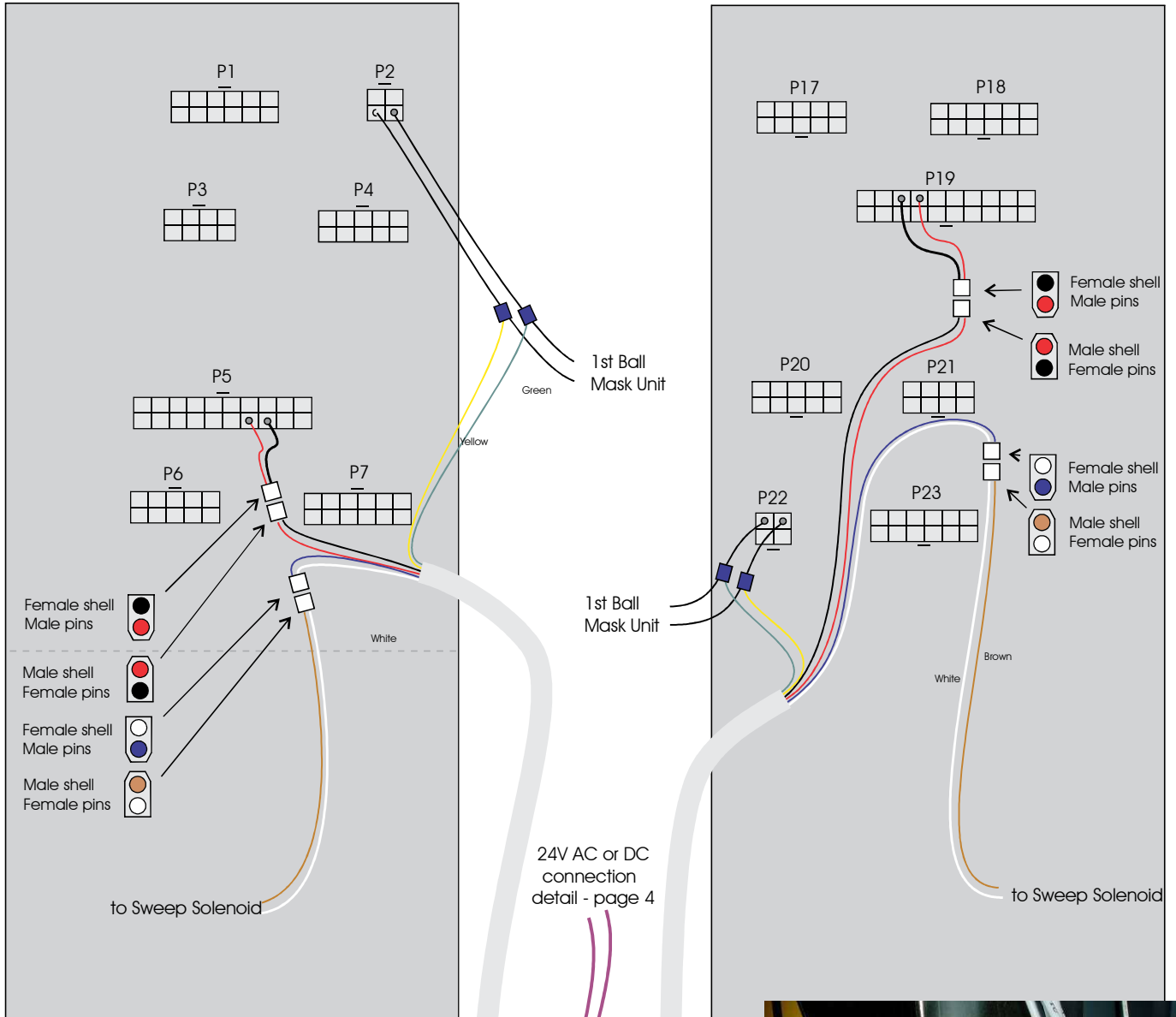
1. Turn off power to both Pinsetters of the pair.
 2. Mount ASDM module to front panel of Pinsetter using the diagrams and photos as a guide.
 3. The 4 cables (2 x 6 way, 1 x 4 way, 1 x 2 way) should already be connected to the ASDM. Run these cables to their approximate place in or on the Nexgen box as shown in the diagrams.
 4. Attach Yellow and GREEN wires using BLUE tap-splice connectors to 1st Ball wires - see diagram page 3.
 5. Remove the two Sweep Solenoid wires (Brown and White) with their female crimp sockets intact, from P5 and P19 using the supplied tool.
 6. Insert Red and Black wires with female crimp sockets in their place.
 7. Insert the Brown and White Sweep Solenoid wires (removed in Step 6) into the new 2 way connector (supplied), matching Brown with Blue and White with White as shown in the diagram.
 8. Plug the two pairs of connectors into each other. They will only mate together one way.
- * To by-pass the ASDM at any time, simply restore the original Sweep Solenoid circuit by disconnecting the two pairs of plugs and plugging the Red/Black from the Nexgen box directly to the Brown/White going to the Sweep Solenoid.
9. Connect the two 24VDC wires from the Power Supply to the power terminals inside the ASDM as shown in the diagram on page 4.
 10. Mount the Rear Switch module to the rear of the odd numbered Pinsetter as shown in the photos.
 11. Check that all cables are secured and will not interfere with access to the machine or with moving machine parts.
 12. If you have a LaneMinder with Cutout-2 or Cutout-8 modules fitted, connect 2 way cable to Inputs 7. This will prevent sweep down function if the Pinsetter is turned off by the LanemInder.
 13. Turn on Pinsetter. With Rear Switch turned on (LED on) the machine will function as usual during normal play. When the lane is turned off after games are finished, sweep will drop to guard position.

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Machine connections - ASDM to Brunswick Pinsetter - GSX

Nexgen Box - Left Side

Nexgen Box - Right Side



ASDM circuit board connection details - Page 4

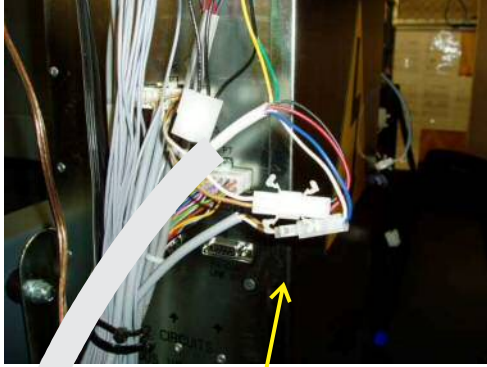


Rear Switch

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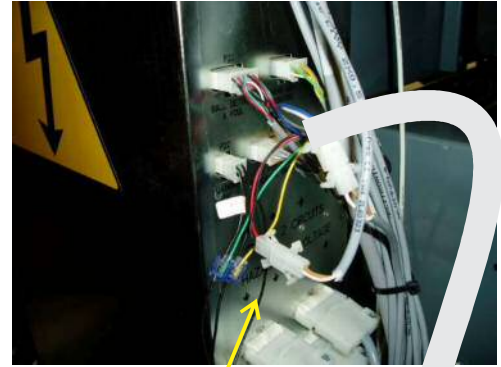
Circuit board connections - ASDM to Brunswick Pinsetter - GSX

Nexgen Box
LEFT SIDE



Cut cable and fit new
2 way connectors
see page 2 for details

Nexgen Box
RIGHT SIDE



Cut cable and fit new
2 way connectors
see page 2 for details

POWER SUPPLY

24-26V AC or DC Power
figure 8 cable

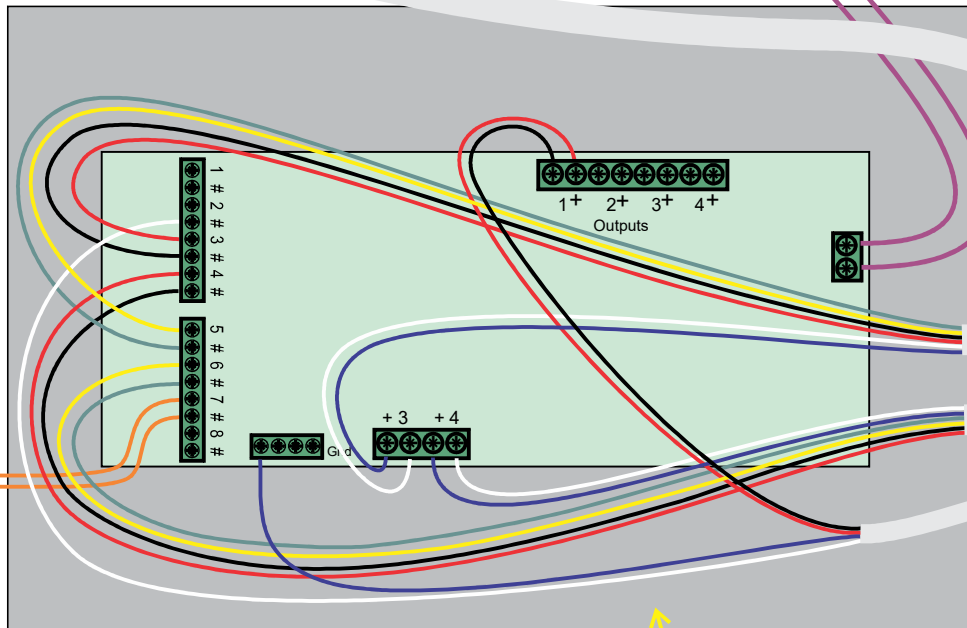



figure 8 cable
from LaneMinder Cutout-2
(if fitted)
will stop sweep from dropping
if Pinsetter is turned off
by LaneMinder






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LED Functions - ASDM to Brunswick Pinsetter - GSX


- 1  Sweep Down function enabled (same as LED on Back-end box).
When off, machine will still operate normally.


- 2  LaneMinder tripped. Sweep will NOT drop when machines turn off. Resets when machines are turned back on.


- 3  Left Sweep solenoid
- 4  Right Sweep solenoid

} Flashes for 1 second when sweep solenoid is activated.

- 5  Left Machine ON From 1st ball light.

- 6  Left Sweep time delay Is lit after machine has been turned off, during the delay before the sweep is dropped. Time delay is adjustable using the "pot" on the board.

- 7  Right Machine ON From 1st ball light.

- 8  Right Sweep time delay Is lit after machine has been turned off, during the delay before the sweep is dropped. Time delay is adjustable using the "pot" on the board.