

Pinball Wizard Gutter Trap Door

These instructions will guide you through the process of creating gutter trap doors in existing Pinball Wizard gutters. This will allow for easy access to drive, and driven assemblies for maintenance, without the need of removing complete gutter sections.

The following items are required for the upgrade of one lane pair.

<u>QTY.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	84-860640-000	Package of 4 each Gutter Couplers
3	11-081201-000	#10 x 1-1/2" Robertson Screw

1. Raise the bumper rails on the lane to be upgraded.
2. Starting at the foul line, remove the first two sections of gutters. Save all hardware for reinstallation.
3. To create the Pinball Wizard trap door, locate the first truss or I-joint toward the foul line from the drive motor. Measure the distance from the edge of the third gutter section to the center of this truss or I-joint (this should be approximately 3/4" from the front edge of the I-joint). Transcribe that measurement onto the second gutter section and cut the gutter section at this location. This will create the trap door section. Refer to Figure 1.

IMPORTANT: DO NOT cut the rail, cut the gutter section only.

4. Starting at the foul line, reinstall the first and second gutter sections, and secure with the original screws.
5. Install one of the additional gutter couplers into the second gutter section with the step down toward the pinsetter.
6. Drill a 5/16" hole in the center of the exposed gutter coupler. Carefully bevel the 5/16" hole using a 3/8" drill bit. This will allow the screw head to countersink into the plate. Secure the gutter coupler with a #10 x 1-1/2" Robertson screw to the truss or I-joint. Refer to Figure 1.
7. Turn the trap door section of the gutter over. On the end of the gutter away from the drive assembly, remove approximately 6" of both grooves from the bottom side of the gutter. This will allow the trap door to drop down over the gutter coupler. Refer to Figure 1A.
8. Carefully lower the trap door cut over the drive assembly, and slide over the gutter coupler in the third gutter section. Drop the trap door down over the coupler in the second gutter section.
9. At the joint between the second gutter and the trap door, press down on the trap door to ensure a step down to the joint. Install two #10 x 1-1/2" Robertson screws into the corners of the trap door to secure it.
10. Reconnect any vertical supports on the trap door to the rail.
11. Raise and lower the bumpers to verify there is no binding.

NOTE: When installing screws in the top or sides of the gutter, make sure the screws do not interfere with the ball path.

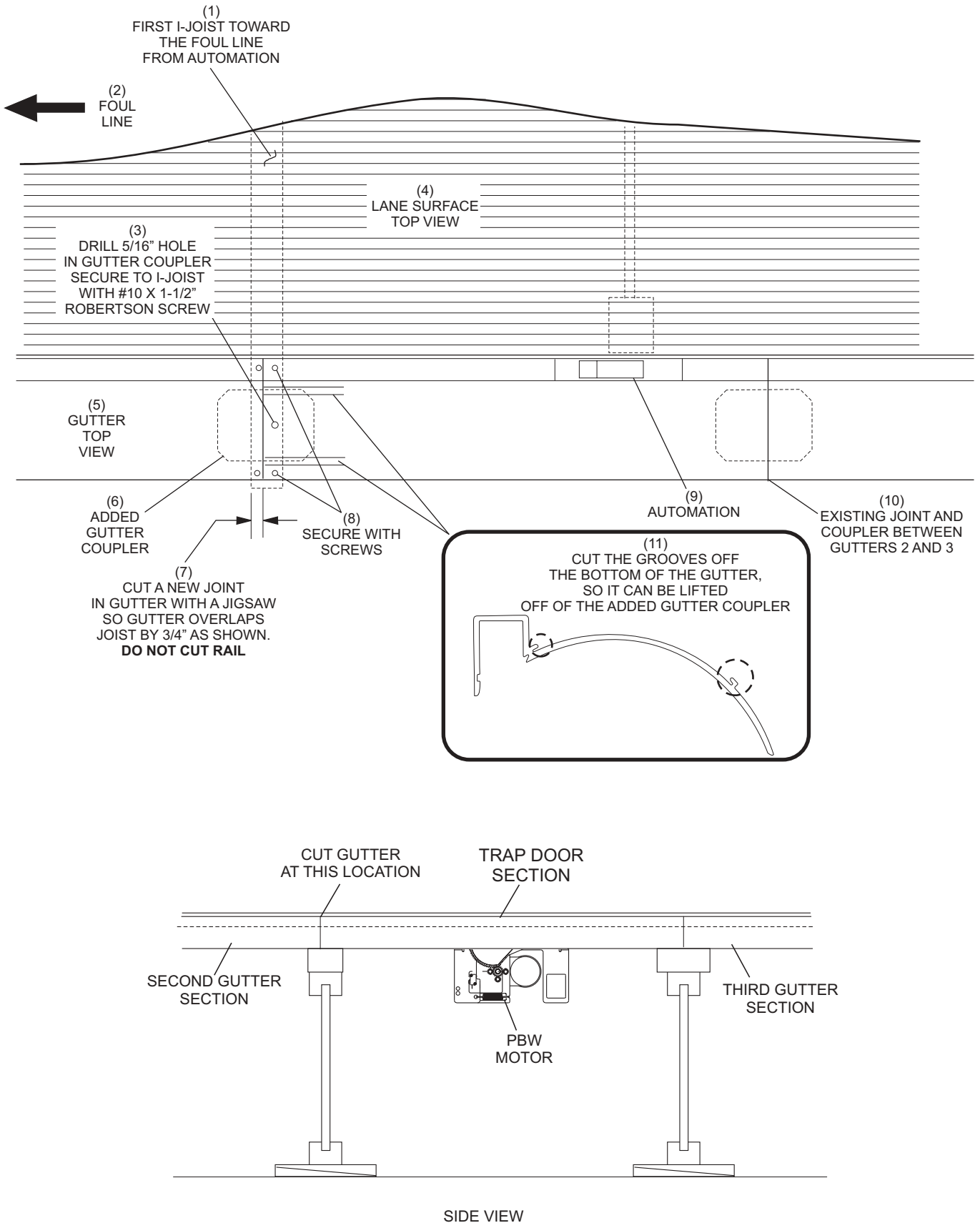


Figure 1