



## **EZ575 & EZ576 PECO® G45 to E-Z Air® Conversion Unit**

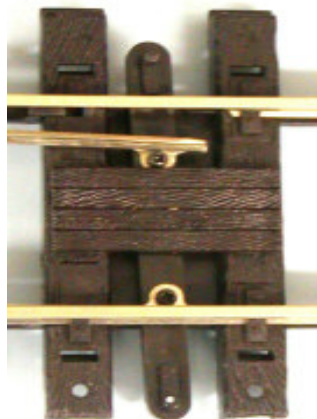


The EZ576 is the housing and extension ties only. The actuator (cylinder) and linkage wire is not included. An EZ500 or a Del-Aire® “motor” will fit.

Conversion of PECO G45 track turnouts to E-Z Air® Motion Control is very easy with this E-Z Air conversion unit. Tools needed will be a small hand drill or pin vise, drills of the size #35 and #53, a small Phillips screwdriver and a pair of small pliers.

The E-Z Air actuator is strongly sprung in the closed position. Trains cannot push the points open as they pass through. If the train tries to go through the turnout that is set “against” it, it will derail. The E-Z Air unit is only activated by air in the “reverse” position. Mount the unit on the side of your turnout that will provide the “normal” route with no air applied. This is usually the main line route.

You will have to drill mounting holes in the ends of the ties that straddle the tie bar. These are the ties that have the ends open. Drill the top end of the tie with the #35 drill back about 0.265" from the end, making a pair of mounting holes as shown below. Drill the end of the tie bar up through the center of the “peg” (or where desired) with the #53 drill. This hole will be used for attaching the linkage wire.



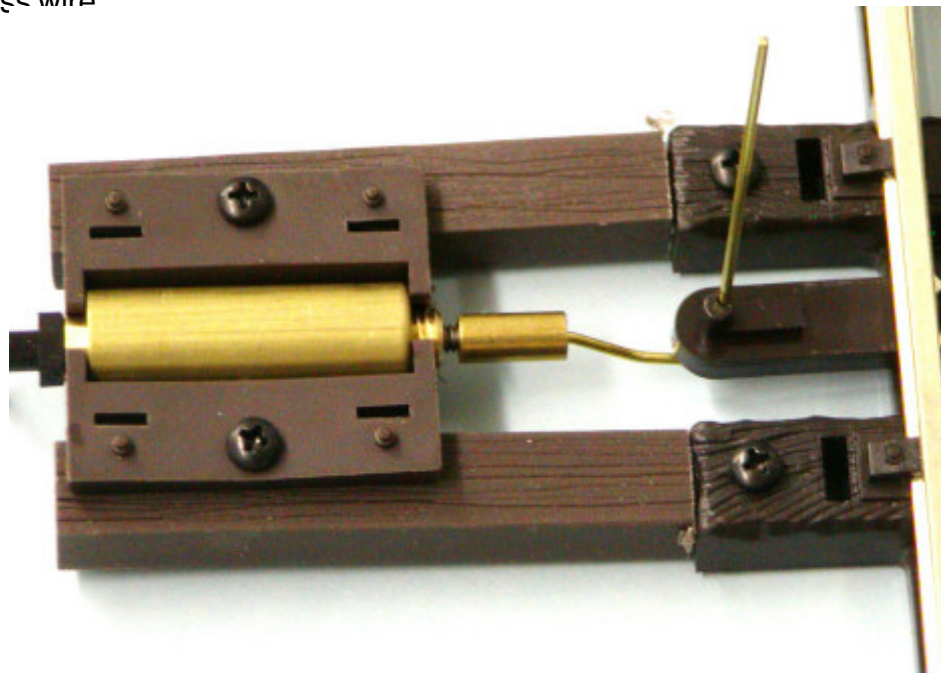
PECO G45 turnout with new holes in the tie ends and tie bar.

Mount the conversion unit loosely, using the black screws provided, with the wire below the tie bar. Hold the points over against the side of the turnout the conversion unit is mounted on, the "normal" route. Note how much offset must be provided for to allow the wire to pass on the bottom of the tie bar. This will be about 1/8". The offset should be completed in about 1/4". See the full size photo to the right.

Insert the actuator and linkage back into the conversion unit. Note where the linkage wire must be bent to enter the hole in the tie bar drilled earlier. Bend the wire 90 degrees about 1/16" short, so that spring tension will be applied to the points to hold them closed in the "normal" or no air applied position.

Insert the wire through the hole in the tie bar and snap the actuator into the conversion carrier. Snug the mounting screws. Test the operation of the unit with 40 psi (2.75 bar) compressed air. Adjust the wire bends as needed to get proper operation.

If you are using the hole in the center of the peg for the wire, you may cut the wire off flush with the top of the peg or bend it over. If using a hole elsewhere on the tie bar, bend the end of the wire over, forming a "U" or "Z" bend in the end to prevent the wire coming out during operation. Cut off excess wire



EZ575 installed on a PECO G45 turnout, ready for cutting the wire and installing the cover.

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