

Encoder Output Transistor Replacement

This document outlines the process for replacing the socketed transistor output chips on Electro Cam Corp. sinking and sourcing encoders. It does not apply to –DDR encoders.

Correct Problems Chips will most likely be damaged by one of two events:

- A short circuit connected to one of the transistor outputs.
- A load exceeding 50 mA connected to one of the transistor outputs.

Before replacing a transistor output chip, fix the problem that damaged it.

Proper Placement When replacing a chip, be sure that all of the pins are properly seated in the socket. Position the notch on the right end of the chip as shown below.



Notes for Sourcing Encoder Users

Starting in 2020, all new sourcing encoders will use output transistor chips with yellow labels and part number PS-9011-2581. You **MUST** replace the socketed chips with the same type or the outputs on your encoder will not work. Older encoders will use replacement chips with pink labels and part number PS-9011-2580.

Replacement Part Numbers

Description	Applies to Model Number	ECC Part #
Replacement Chip – Sourcing Pink Label	PS-4256-12-DDP, PS-4456-12-DDP PS-4256-12-DDP-MLU	PS-9011-2580
Replacement Chip – Sourcing Yellow Label	PS-4256-12-DDP, PS-4456-12-DDP PS-4256-12-DDP-MLU	PS-9011-2581
Replacement Chip - Sinking	PS-4256-12-DDN, PS-4456-12-DDN	PS-9011-2803

If the label has come off your socketed chip, please consult the factory to determine the correct replacement.