This page describes how to convert an internal regulator fitted to late model Bosch alternators. For conversion to a ZM4 Smart Regulator our objective is to isolate the earth brush (rear most brush) to allow the field control to be handled by the smart regulator.

**V+ pick up from alternator**  
**ZM4 Field- pick up connection (solder wire here)**
Cut and disable this tang
Bosch Regulator late model type