This page describes how to convert an internal regulator fitted to Mitsubishi alternators. The actual shape and plug connections differ slightly however the task is the same. 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.

To carry out this modification the case halves need to be split.

Remove rectifier and regulator section from Alternator body

Pry off internal regulator from assembly
The three pins on the internal regulator is what we need to isolate, once you have cut these off you can then use a suitable adhesive to stick the assembly back on.

Solder a wire onto the bottom brush; the top brush will have continuity with the battery post.

A different regulator combination is shown on the following pages.
Overview of unit

Desolder these links and separate, solder a field wire here
Solder a link wire from here to here

Jobs done, reassemble and fit alternator.