The Riley RM Centre Information Slip

POLARISATION OF DYNAMOS

When fitting a service replacement or repaired dynamo or control (regulator) box, the dynamo must be polarized to suit the vehicle's electrical system and therefore the following procedure should be adopted.

To polarize – fit the dynamo or control box to the vehicle but do not at this stage connect the cables to the 'D' and 'F' terminals. Determine which battery terminal is earthed on the vehicle and then temporarily connect a length of wire to the unearthed battery terminal (positive for negative earthed vehicles or the negative terminal for positive earthed vehicles). Flash the other end of the wire against 'F' terminal of the dynamo several times (i.e. make brief contact with the F dynamo terminal causing a small blue spark), after this action the dynamo will be correctly polarized. Remove the temporary connection and then restore the original cables to the 'D' and 'F' terminals of the dynamo.

Accidentally reconnecting the battery terminals in the opposite orientation and running the engine even for a few seconds will burn out the contacts in the control box. Please make sure that your battery and control box wiring is correct before staring the engine. If you connect your terminals incorrectly but re polarize the dynamo no damage should occur except you ammeter may read in the opposite direction.

Before fitting the control box please ensure that the internal contacts are perfectly clean, they sometimes need quite a scrub to remove the protective coating and without full removal the unit will not operate correctly.

The Riley RM Centre Ltd

THE RILEY R.M. CENTRE LTD							
DRAWN	ISS	CHANGE	APP	DATE	NOTES	POLARISATION OF DYNAMOS	A4
SP	1			22/3/18			
						DWG NO. Dynamo Polarisation-IS	SHEET 1