

# Fuel Gauge Thermal System Correction

## Model HQ

(P9 of Accelerator Vol.31 , No 2 April/May 1974)

The following notes are additional information contained in Vol 3 issue No1 of the Accelerator which describes the new “thermal” fuel gauge system, now installed on HQ models.

1. The opportunity is taken to again caution against earthing the sender (tank unit) lead. “Flashing” the lead to ground to determine whether current is available, is common **bad** practice. With the thermal system. the instrument is immediately destroyed.
2. In the event an early (electro magnetic) system instrument is used in conjunction with a thermal type tank unit, the instrument reading will be incorrect. The difference in resistance values between systems will produce a “full tank” reading on the instrument when the tank is “half full.”
3. Using the “thermal” instrument when the “electro magnetic” tank unit will cause burn out of the instrument.
4. Vol. 31 Issue No, 1 of the Accelerator makes reference to the voltage regulator providing a constant to average value less than that of the electrical system. The bench check outlined can be performed only with an accurate voltmeter in good condition. The voltage reading quoted should be corrected to “an intermittent reading of Zero to 5 volts obtained.”
5. Thermal instruments and sender units are identified as follows:-

- a) The “thermal” instruments needle span of travel is 60 degrees compared to 90 degrees for the electro magnetic type.
- b) All thermal instruments and tank units are identified by RED colour code stickers (the electro magnetic type are identified by WHITE stickers)
- c)

HQ FUEL GAUGE IDENTIFICATION (DASH)			
TYPE	MAGNETIC	THERMAL	
EMPTY MARK CALIBRATION COLOURS	RED	WHITE	
STICKER COLOUR (ON BACK)	WHITE	RED	
DASH TYPE	PART NUMBER	PART NUMBER	NOTES
TYPE 1	2815749	9929574	FLEX DRIVE THERMAL 9929572
TYPE 2	2815204	9929573	
TYPE 3	9929575 9931611 with ADR 18	2815738 before ADR 18	
TYPE 4 (GTS)	2815736 before ADR 18 9931612 with ADR 18	9929576	
TYPE 5	2815749	9929574	FLEX DRIVE THERMAL 9929572
NEEDLE SWEEP 60° 90° 120°	90	60	* EVEN HOLDEN CONFUSED INFO ON THE NEEDLE SWEEP
Tank unit sticker colour	WHITE	RED	
OHM TEST	0 , OHMS EMPTY 30 OHMS FULL	73 OHMS EMPTY 10 OHMS FULL	
	SOMETIMES CALLED THERMO ELECTRIC OR ELECTRO MAGNETIC		RZR

# Revised Fuel Tank Sender Unit

In order to reduce the amount of oscillation of the fuel tank unit float by movement of the fuel during acceleration, braking and cornering, the Fuel Gauge Tank Unit and Riser pipe assembly has been revised. The revised unit positions the float rearwards in the tank, to a point where the least amount of fuel surge is evident, thereby reducing fuel gauge needle movement, the same fuel gauge dash unit is retained.

Fuel Gauge Tank Unit

P/No 9929079 supersedes P/No 2814857

P/No 9929084 supersedes P/No 2815268 where air conditioning is fitted 308 or 350 (vapour return line)