

Triumph

PLEASE DESTROY BULLETIN NO. 76-A-8

July, 1976

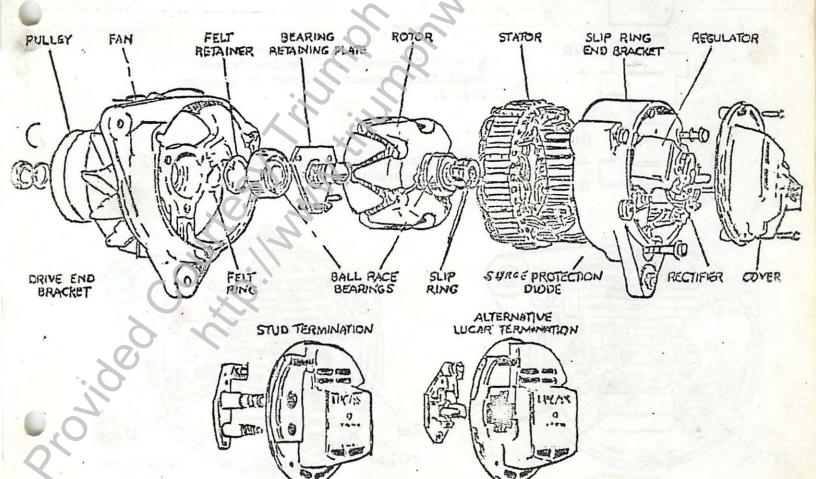
SUBJECT:

INTRODUCTION OF 23ACR AND 25ACR ALTERNATORS

MODELS:

TR7

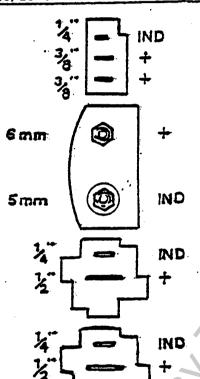
These two alternators are recent additions to the Lucas ACR range and are similar to the earlier ACR models except that the frame size has been increased. The 25ACR model (Lucas Part #23859) will be used initially to replace those applications previously using the 20ACR, TR7, the 20ACR no longer being supplied as original equipment. The test procedures are exactly the same as that for the 15 through 18ACR models, with which most people are familiar. The share is 15mm in diameter with a sleeve to bring it up to 17mm for maximum interchangeability. The rectifier pack instead of having a separate plate for auxiliary, positive and negative diodes has one of each kind on each plate. Stator windings connect to the plate instead of the diodes



Exploded View - 23/25ACR

Page 2	Specification	23ACR	25ACR
	Nominal System Voltage	12	-12
	Earth Polarity	Negative	Negative:
	Nominal Rated Output (hot) at 6000 rev/min	55A	. 65A
	Alternator Voltage at 20% rated output	· 14.2Y	14.27
	Number of Poles	12	12
	Stator Phases	3	3
	Stator Winding Connected	Del ta	Delta
	Maximum Continuous Rotor Speed (rev/min)	15000	15000
	Fan Size (dia)	5.5" (139.7 mm)	6" (152.4 mm)
	Weight (inc) Fan approx.	4.80 kg (10½ lb)	5.10 kg (11 1b)
	Stator Winding Resistance (at 20°C)	0.202 ohms	0.152 ohms
	Rotor Winding Resistance (at 20°C)	3.201 ohms	3.201 ohms
	Slip Ring End Brushes (length new)	0.5"	0.5"
	Regulating Voltage (measured across	13.6 - 14.4	13.6 - 14.4

23/25ACR Terminal Arrangements



European Termination - Machine Sansed Regulator. Connect as shown in diagram Fig. 1.

Stud Termination - Machine Sensed Regulator. Connect as shown in diagram Fig. 2.

'." - '.' Termination - Machine Sensed Regulator. Connect as shown in diagram Fig. 2.

BSF Termination - Battery Sensed Regulator. Connect as shown in diagram Fig. 3

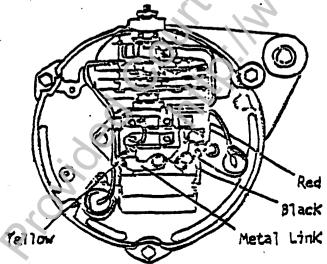


Fig. 1.

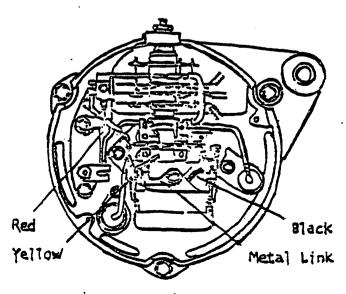
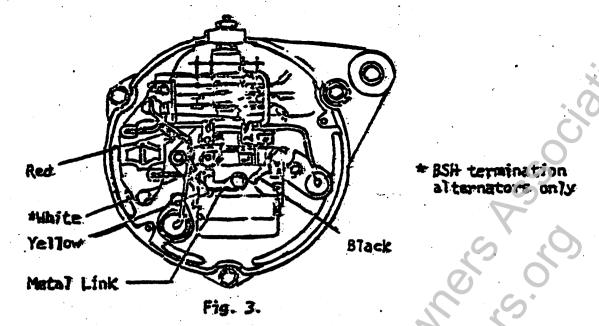


Fig. 2.



Output Curves

23/25 Output Curves

