

CIRCULATION

GENERAL

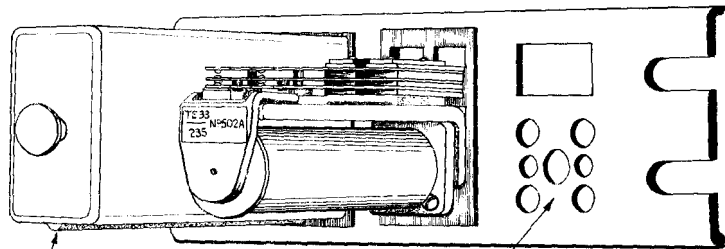
ADJUSTMENT OF 500 TYPE RELAYS

(FOR METHOD OF ADJUSTMENT, REFER TO E.I. TELEPHONES, AUTO, B5161.)

N500

3 PANELS-1

2-5-39



RELAY COVER AK

DRILLING No. 146.

MOUNTING No. 146/...

W

N500

3 PANELS-2

NOTE: GENERALLY SPEAKING THESE RELAYS REQUIRE VERY LITTLE ADJUSTMENT & BEFORE ANY READJUSTMENT IS ATTEMPTED, THE CIRCUIT CONDITIONS SHOULD BE CHECKED.

STANDARD ADJUSTMENTS ARE AS FOLLOWS AND APPLY TO ALL RELAYS EXCEPT AS INDICATED IN TABLE I BELOW.

RESIDUAL	8 MILS (FIXED)	CONTACT CLEARANCE	10 MILS (MINIMUM)
ARMATURE TRAVEL	20 ± 2 MILS.	LEVER SPRING PRESSURE ON M & K ACTIONS.	5 GRAMMES (APPROX.)
CONTACT PRESSURE	20 GRAMMES (MINIMUM)	LIFTING PIN CLEARANCE ON B & C ACTIONS.	2 MILS (APPROX.)

SPECIAL ADJUSTMENTS APPLY TO THE RELAYS SHOWN IN TABLE I. (ADJUSTMENTS NOT SHOWN ARE STANDARD.)

TABLE I.

RATE BOOK TITLE OF RELAY	RESIDUAL IN MILS. (FIXED)	ARMATURE TRAVEL MILS.	MINIMUM CONTACT PRESSURE, GRAMMES.	MINIMUM CONTACT CLEARANCE, MILS.
500A		8 (APPROX.)	8	7
501A		15 ± 2		
501B		20 (APPROX.)	16	
502C		20 (APPROX.)	16	
503A		15 ± 2	8	7
503B	4		6	
504A		15 ± 2	8	
506A			16	
509A		25 ± 2		
510A		20 (APPROX.)	16	
514A	4		18	

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ADJUSTMENT OF 500 TYPE RELAYS.

N 500

3 PANELS-3

2-5-39

CURRENT TESTS.

THOSE RELAYS WHICH ARE LIKELY TO NEED CURRENT TESTS ARE SHOWN IN TABLE 2. AND SHOULD BE TESTED WITH THE CURRENTS SPECIFIED ON READJUSTMENT.

TABLE 2.

RATE BOOK TITLE OF RELAY	CURRENTS IN WILLIAMS.				
	SATURATE	HOLD	RELEASE	NON-OPERATE	OPERATE
500 A	200		3		25
500 C	1000	70	0		180
501 B			1	3	5
503 A	200		3		28
503 B	1000		6		55
503 C	140		0.5		9
503 D				3	5
504 A	100		0		6
506 A				25	30

IN THE EVENT OF DIFFICULTIES BEING EXPERIENCED, REFERENCE SHOULD BE MADE TO THE ENGINEER-IN-CHIEF. (S2)

AMENDMENT

W