

RELAYS AND RELAY SETS

SIGNAL TYPE

1. GENERAL

- 1.001 This addendum supplements Section A462.006, Issue 10-D.
- 1.002 This addendum is issued to add KS-8854 relay set and to revise contact gap for type R relays.

2. REQUIREMENTS

The following changes apply to Part 2 of the section:

- (a) 2.03(a), 2.06, and Table A - revised
- (b) Table B - revised and note 9 added

2.03 Contact Alignment (Gauge by eye)

- (a) Each set of contacts shall be aligned so that when contacts are completely closed the outer edge of one contact does not overlap the outer edge of the other contact by more than the following maximum values:

| Relay Type (See Table B) | Inch Maximum |
|--|-----------------|
| E,S,SC,SS | 1/16 |
| A,B,C,D,L,R, KS-5635, KS-8854, KS-15601 | 1/32 |

If the contacts are of different sizes, the smaller shall not extend beyond the periphery of the larger.

- 2.06 Contact Gap: Minimum contact gap for each type of relay shall be as listed in Table A. Use thickness gauge or scale. Where contact gaps on one side of contact spring meet requirements and it is difficult to apply gauge to the contacts on the other side of the spring, the clearance on these contacts may be assumed to be satisfactory. The contact gap should be measured by inserting the thickness gauge between the movable and stationary contacts. On B, D, E, L, KS-5635, KS-8854, and KS-15601 relays, the gauge shall pass between the contacts. On A, C, S, SC, and SS relays, the gauge shall be placed as shown in Fig. 5 and shall extend across at least 3/4 of the diameter of the stationary contact nearer the armature hinge before touching the movable contact.

Table A

| Type of Relay | Contact Pressure in Grams | | | | Contact Gap Inch Minimum |
|---------------------|------------------------------|----|--------|----|-----------------------------------|
| | Minimum | | Normal | | |
| | NO | NC | NO | NC | |

(Revised type R relay)

| | | | | | |
|---|----|----|----|----|-----|
| R | 60 | 15 | 70 | 20 | 1/8 |
|---|----|----|----|----|-----|

(Add after KS-5635, L04)

| | | | | | |
|---------|----|---|---|---|-------|
| KS-8854 | 50 | - | - | - | 0.092 |
|---------|----|---|---|---|-------|

Table B

| Relay | Type | Values at AC Volts at 60 Cycles or DC Volts | | Min Operate |
|-------|------|--|----|----------------|
| | | DC | AC | |

(Add after KS-6724)

| | | | | |
|---------|---|----------|-----|----------|
| KS-8854 | - | Volts DC | 105 | (note 9) |
| | | AC Volts | 105 | |

(Added note 9)

9. The values given for KS-8854 are with a 700-ohm resistor in series with the coil. The ac operate volts apply on either 25 or 60 cycles.

3. ADJUSTING PROCEDURES

The following change applies to Part 3 of the section:

- (a) 3.05(3)(b) - revised

3.05(3)

- (b) For such types as L, S, KS-8854, and KS-15601, having hexagonal head adjusting screw, as shown in Figs. 2 and 4, back off locknut with hexagonal open-end wrench, pull out the hexagonal-headed screw slightly by its head, and turn with the fingers clockwise to increase retractile spring tension and counterclockwise to decrease it. Retighten locknut.