

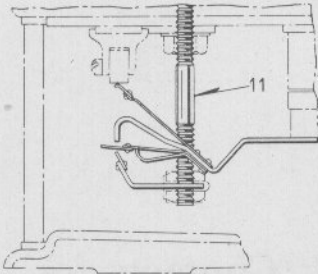
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Improved Design Back Contacts for Model 13 Neutral Relays

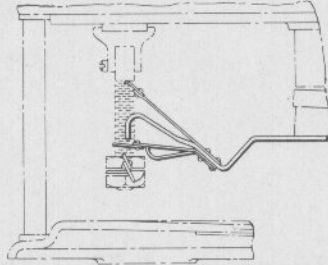
Knife-edge type back contacts similar to the types that have proven so successful on Style DN-11 and other modern Union relays are now available for these older design relays. The advantage of this type of contact design is that foreign material or carbon dust from the front contact cannot collect on the back contact post and tend to introduce high contact resistance as is possible on a flat horizontal back contact post. This problem is particularly important when the front contacts are breaking heavy loads, and thus form an appreciable quantity of carbon dust that may drop down on the back contact.

The new design contacts are not to be considered for carbon to carbon combinations, but are interchangeable with the old type silver to silver or silver to carbon, it being necessary only to replace the back contact post extension (also the back post for 4-Point round base relays) and the contact spring with the new design parts. Front contact posts and carbons, and independent front contact springs are not changed.

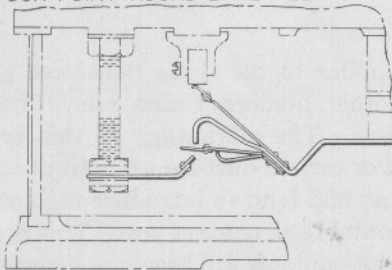
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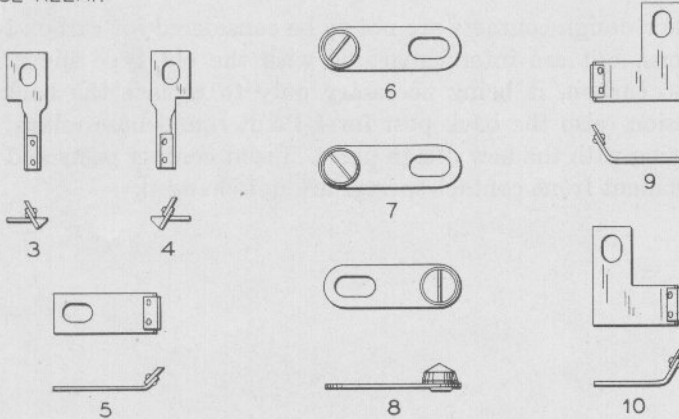
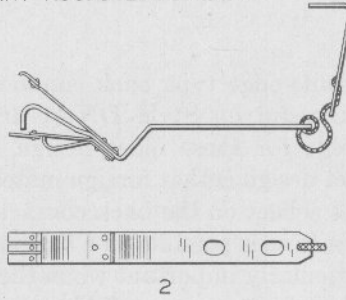
APPLICATION OF KNIFE EDGE BACK CONTACTS TO MODEL 13 FOUR POINT ROUND BASE RELAY



APPLICATION OF KNIFE EDGE BACK CONTACTS TO MODEL 13 TWO POINT ROUND BASE RELAY



APPLICATION OF KNIFE EDGE BACK CONTACTS TO MODEL 13 SQUARE BASE RELAY.



Knife Edge Back Contacts and Contact Spring

Model 13 Relay

Detail Parts

Knife Edge Back Contacts and Contact Spring

For Model 12 Polarized Relay Knife Edge Contacts, See Plate E-4824.

Order by Plate, Piece, Reference and Abbreviated
Description Given in Heavy Face Type Only

Piece	Ref.	Description	Drawing Reference
198822	2	Front and Back Contact Spring Complete as shown (For all types of Model 13 Relays)	8385-2490
194751	3	L.H. Back Contact (Silver) for Model 13 Round Base 2-Point Relay	8094-1108
194752	4	R.H. Back Contact (Silver) for Model 13 Round Base 2-Point Relay	8094-1108
194744	5	Back Contact (Silver) for Model 13 Square Base 4, 6, 8 and 10-Point Relays	8094-1106
108278	6	Back Contact (Silver Imp. Carbon) for Model 13 Round Base 4-Point Relay	8094-2405
108279	7	Back Contact (Silver Imp. Carbon) for Model 13 Round Base 4-Point Relay	8094-2405
108277	8	Back Contact (Silver Imp. Carbon) for Model 13 Square Base 4, 6, 8 and 10-Point Relays	8094-2404
194747	9	L.H. Back Contact (Silver) for Model 13 Round Base 4-Point Relay	8094-1107
194748	10	R.H. Back Contact (Silver) for Model 13 Round Base 4-Point Relay	8094-1107
30840	11	Terminal Post for Model 13 Round Base 4-Point Relay (To replace existing terminal post when adding knife edge back contact to 4-Point Relay only)	8094-638