KENT MORSE KEYS
HAND KEY KIT LESS BASE ASSEMBLY

1 Pre-assembled bearing block assembly Consisting of:-

(A) 1 Bearing block
(B) 2 Ball Race Bearings
(C) 1 Main arm
(D) 1 Steel pivot pin
1 3mm socket set screw

KIT PARTS TO ASSEMBLE

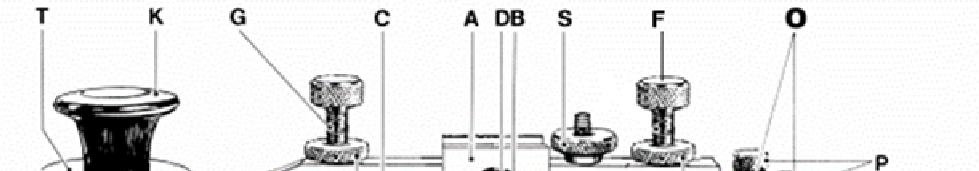
(F) 1 Plain brass backstop screw
(G) 1 Silver tipped Screw
(H) 2 Knurled locking nut
(J) 1 Brass knob mount stud
(K) 1 Plastic knob
(L) 1 Front contact silver tipped
(M) 1 Rear brass stop
(N) 1 Spring retaining pin
(O) 2 Terminal posts
(P) 2 Terminal post screws
(Q) 1 spring
(R) 1 Spring tension stud
(S) 1 Brass adjusting nut
(T) 1 Plastic skirt
(U) 1 Length of braided wire
(V) 2 3mm brass screw
(W) 2 Long 4mm screws
(X) 4 3mm screws
(Y) 2 short 4mm screws
4 3mm washers
3 3mm solder tags
3 4mm solder tags
4 4mm washers

BASE FITTINGS

(2) 4 Rubber feet
(3) 4 RH wood screws
2 CSK wood screws

BASE AND FITTINGS NOT SUPPLIED

(1) Wood base
(4) Steel cover plate
(5) Green baize
(6) Steel weights



OPTIONAL STEEL BASE PARTS PACK

2 Long 4mm screws
2 Long 4mm screws
2 insulators 8mm x 6.4mm hole
2 Insulators 8mm x 4mm hole
4 insulators 6.3mm x 4mm hole
4 Short4mmscrews

The base can be made in a variety of materials such as wood, plastic, stone, steel, aluminium etc. The choice of material depends on you and the equipment you have, metal bases require the optional insulators/screw pack. The instructions below are for mounting the key on a wood or plastic base made to the plan supplied. If using a metal base use the insulator kit for mounting the contact (L), rear stop (M) and the two terminal posts (O) together with the longer screws. The rubber feet are fixed using the 4 short 3mm screws.

ASSEMBLY NOTES

Read all the instructions before starting the assembly.

1. On the base fit the front silver tipped contact (L) using a short 4mm screw , having first placed a solder tag and washer under the screw head.
2. Fit the rear brass stop (M) using a short 4mm screw and washer.
3. Take the bearing block and arm assembly and fit screws (G) and (F) together with the knurled locking nuts (H) and allow the screw to protrude underneath by not more than 3mm (Note:the silver tipped screw is at the front). Fit the plastic knob (K) and skirt (T) using the brass mounting stud.
4. Cut the length of the braided wire to approximately 30mm long and solder each end to a 3mm solder tag. Attach the solder tags to the under side of the arm and bearing block using the 3mm brass screws (V).
5. Loosely fit the bearing block assembly using the for 3mm screws and washers, having first placed a 3mm solder tag under any one of the screw heads.
6. Align the front contacts and rear stops then tighten all screws.
7. Fit the two terminal posts (O) and screws (P) using the two long 4mm screws (W) , having first placed solder tags and washers under the screw heads.
8. Solder a short length of wire between:-
   (i) The front contact and any one of the terminal posts solder tag.
   (ii) The bearing block solder tag and the second terminal post solder tag.
9. Taking care to protect your eyes, attach spring (Q) to the brass stud (R) then pass the stud through the underside of the base into the brass arm, securing with the steel retaining pin (N) on the underside and the knurled brass adjusting nut (S) on top.
10. **Optional.** steel weights can be added, one each side of the base cut out, securing with the two CSK wood screws.
11. **Optional.** A plate can be used to cover the base cut-out and secured with the 4 wood screws and rubber feet or the cut-out can be left open and attach the 4 rubber feet using the screws supplied. The screws should be located in pre-drilled pilot holes to avoid splitting the wood.