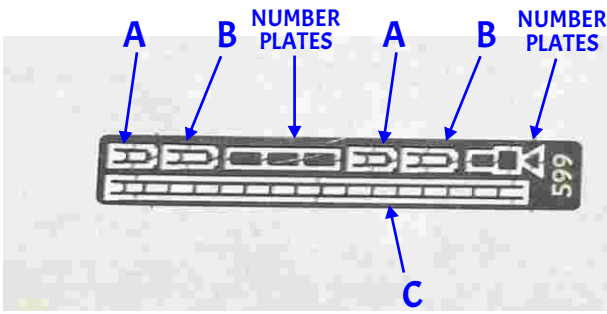


PARTS



SUGGESTED ASSEMBLY

WE RECOMMEND THAT YOU READ THROUGH THE ASSEMBLY STEPS AND STUDY THE DIAGRAMS CLOSELY TO FAMILIARIZE YOURSELF WITH OUR SUGGESTED ASSEMBLY METHOD.

LAY THE BRASS MAST/TUBE DIRECTLY ON THE SUPPLIED DRAWINGS FOR USE AS A TEMPLATE AND MARK THE LOCATIONS OF EACH OF THE ASSEMBLY COMPONENTS (FIG. 1) INCLUDING THE LOCATION(S) FOR THE SIGNAL HEAD.

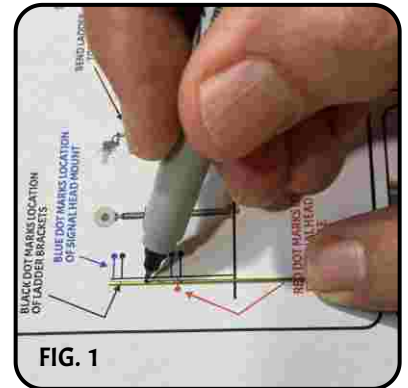


FIG. 1

THE DRAWINGS ABOVE ARE IN N SCALE (1:160) AND CAN BE USED AS A PATTERN FOR MARKING.

THESE ARE ONLY SUGGESTED LOCATIONS SINCE DIFFERENT RAILROAD LINES MAY HAVE DIFFERENT CONFIGURATIONS FOR THE LADDER/MAST ASSEMBLIES.

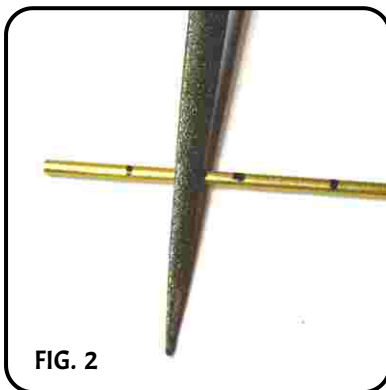
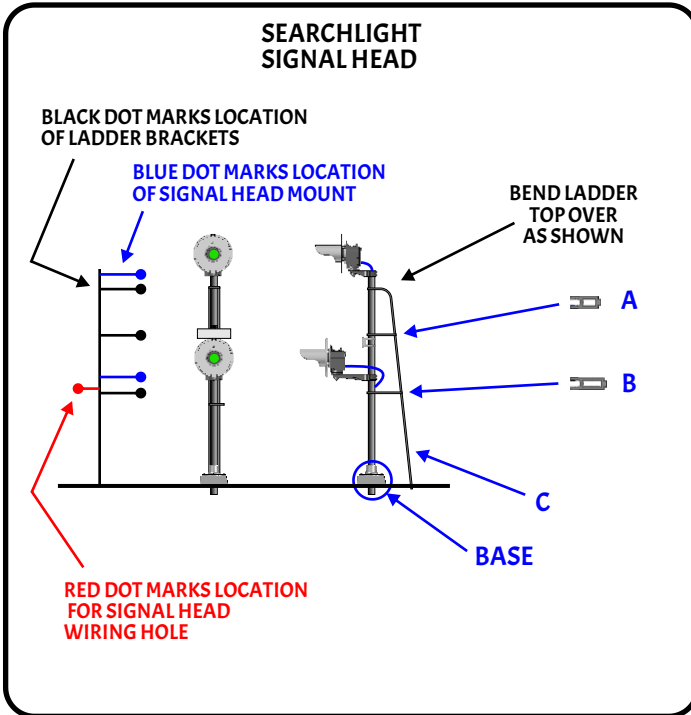


FIG. 2

FOR DOUBLE HEAD SIGNALS: USING THE EDGE OF A DIAMOND NEEDLE FILE, SCRIBE THE LOCATION FOR THE SIGNAL HEAD WIRES TO ENTER THE MAST (FIG. 2). THIS WILL MAKE IT EASIER TO DRILL THROUGH THE ROUND BRASS TUBE.

DRILL THROUGH WITH A .020" DRILL BIT.

USE THE DRILL BIT AS A REAMER AND SMOOTH THE INSIDE EDGES OF THE DRILLED HOLE TO HELP PREVENT DAMAGE TO THE INSULATION OF THE WIRE (FIG. 3).

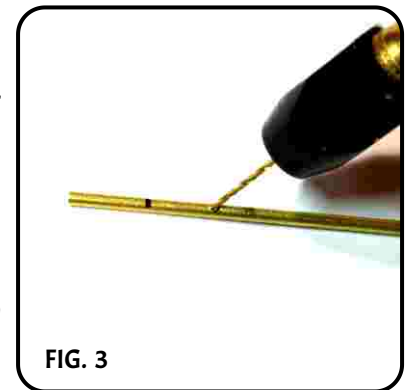


FIG. 3

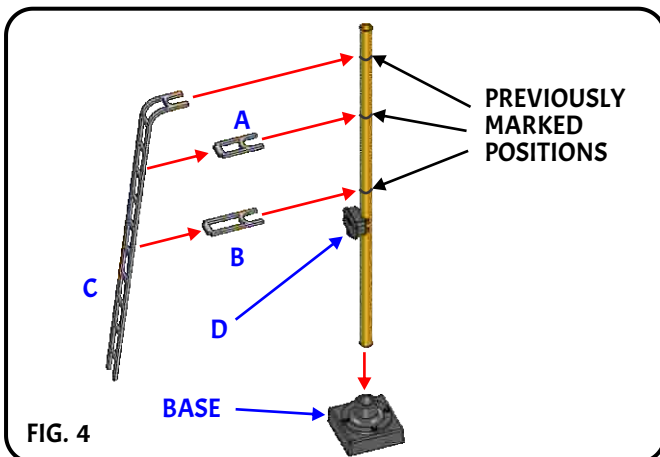


FIG. 4

ATTACH EACH BRACKET OF THE LADDER ASSEMBLY TO ITS CORRESPONDING PREVIOUSLY MARKED PLACE ON THE MAST / TUBE USING CANOPY GLUE (FIG. 4). THEN ATTACH THE LADDER TO THE BRACKETS ALSO USING CANOPY GLUE.

ROUTE THE TUBE / MAST AND WIRE BUNDLE DOWN THROUGH THE SIGNAL BASE (FIG. 4).

ONCE ASSEMBLY IS COMPLETE, THIN CA GLUE CAN BE USED TO PERMANENTLY ATTACH THE HEAD TO THE TOP OF THE MAST BY APPLYING A TINY DROP OF THE CA GLUE TO THE JOINT AND ALLOWING CAPILLARY ACTION TO CARRY IT THROUGH THE JOINT.

SIGNAL HEADS CAN BE ATTACHED AFTER LADDER ASSEMBLY IS COMPLETE