

ROSS CUSTOM SWITCHES TURNTABLE INSTRUCTIONS MANUAL (LINE UP BY EYE)

1. THERE IS A 1" LEDGE ALL AROUND THE $\frac{3}{4}$ " (just under) TOP. YOU CAN USE THAT LEDGE TO SUPPORT YOUR TURNTABLE. THE SQUARE HOLE YOU NEED IS 6" BIGGER THAN THE LENGTH OF THE BRIDGE. ONE WAY TO MOUNT IT IS TO SCREW SOME 1X3'S AROUND THE BOTTOM PERIMETER OF YOUR SQUARE HOLE SO THEY STICK OUT $\frac{3}{4}$ -1". THEN LAY THE UNIT RIGHT ON TOP OF THEM AND SCREW IT DOWN. TEST FIT FIRST AND THEN IT IS EASIER TO INSTALL THE BRIDGE ON THE WORKBENCH.
2. INSTALL THE BRIDGE. TAKE IT EASY WITH THIS STEP. IT'S THE ONLY TEDIOUS PART. PLUG THE WIRES FROM THE BRIDGE INTO THE WIRES COMING UP THROUGH THE CENTER SHAFT. REMOVE THE TWO SHOULDER SCREWS FROM THE GRAY SHAFT BLOCK SIDES. DO NOT PUSH DOWN ON THE TOWER SUPPORTS THAT PROTRUDE OUT FROM THE BOTTOM SIDES OF THE BRIDGE! CENTER THE BRIDGE OVER THE GRAY CENTER BLOCK. GET ONE END STARTED AND CAREFULLY WIGGLE THE BRIDGE DOWN OVER IT. DO NOT PUSH DOWN ON THE TOWER SUPPORTS THAT PROTRUDE OUT FROM THE BOTTOM SIDES! IF YOU BREAK IT OFF YOU CAN GLUE IT BACK ON WITH REGULAR MODEL AIRPLANE GLUE. MAKE SURE THE BRIDGE WHEELS ARE ON THE PIT RAIL. LOOK INTO ONE OF THE TWO MOUNTING HOLES ON THE SIDE OF THE BRIDGE. YOU WILL SEE THAT THE HOLES IN THE GRAY BLOCK DO NOT QUITE MATCH UP WITH THE HOLES IN THE BRIDGE. FLEX THE BRIDGE DOWN SLIGHTLY SO THE HOLES LINE UP AND INSERT THE SHOULDER SCREW. REPEAT ON THE OTHER SIDE.
3. THERE IS A RED WIRE INCLUDES WITH THE CONTROLLER. PLUG IT INTO THE HOLE LABELED TRACK POWER. CONNECT THE OTHER END OF THE RED WIRES, ONE EACH TO THE WIRES COMING FROM THE TURNTABLE MOTOR. THIS CONTROLLER GIVES VERY FINE CONTROL OVER THE TURNING OF THE BRIDGE. USE THE DIRECTION SLIDE SWITCH TO CHANGE DIRECTION.
4. CONNECT TRACK POWER TO THE TWO BRASS FINGER SCREWS ON THE BOTTOM TOWARDS ONE END OF THE UNIT. ONE IS LABELED CEN FOR CENTER RAIL. THE OTHER IS FOR THE OUTSIDE RAIL.
5. THE TRACK ON THE BRIDGE IS MOVEABLE BOTH END TO END AND SIDE TO SIDE. EYEBALL IT SO IT IS PRETTY WELL CENTERED BOTH WAYS. (LOOK AT BOTH ENDS OF THE TRACK AND THE BRIDGE) LOCATE WHERE YOU WANT YOUR FIRST TRACK TO BE AND LINE THE BRIDGE UP TO IT. MOVE THE BRIDGE BACK AND FORTH TO BE SURE IT CLEARS THE TRACK AND HAS A NICE SMALL GAP BETWEEN THE TRACK ON THE BRIDGE AND THE OUTSIDE TRACK. ALSO NOTE IF THE RAILS LINE UP AT THE TOPS. YOU MAY NEED TO SHIM THE OUTSIDE TRACK UP WITH PAPER OR BUSINESS CARD MATERIAL TO GET THEM EVEN. SWING THE BRIDGE AROUND 180 DEGREES AND MAKE SURE THAT END CLEARS AND HAS ABOUT THE SAME GAP. NOW YOU ARE READY TO GO TO TOWN FINISHING UP THE REST OF YOUR TRACKS.
6. HOLD THE BOTTOM OF THE TOWER SUPPORTS UP WITH YOUR FINGER AND WIGGLE THE TOWER ONE SIDE AT A TIME INTO THE SUPPORT. YOU CAN GLUE IT IN IF YOU WANT BUT IT'S A PRETTY TIGHT FIT. HAVE FUN AND HAPPY RAILROADING!