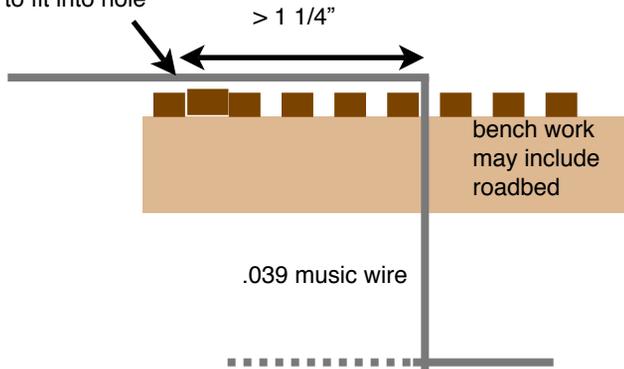


Servo Linkage for HO Scale

Dimensions and size will change for other scales

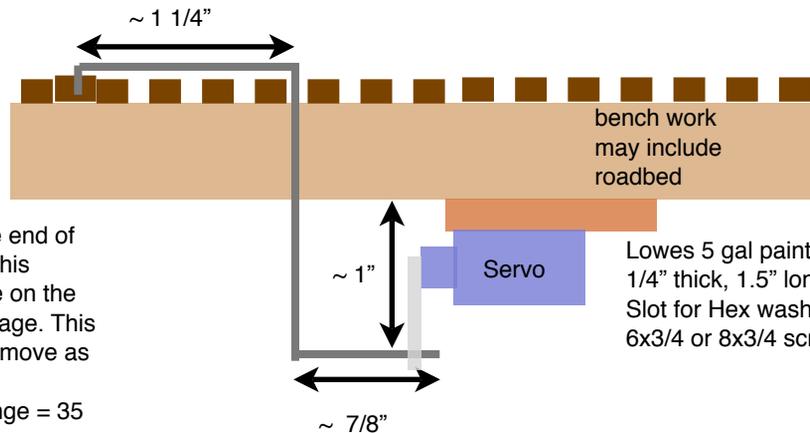
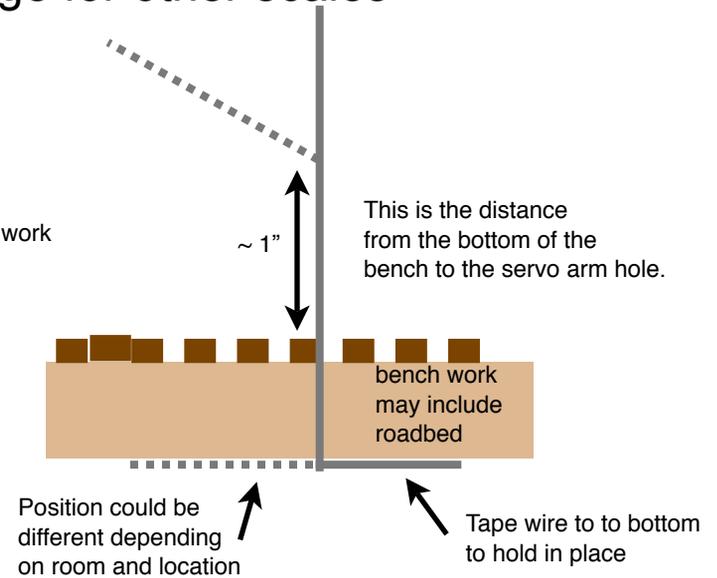
- Step 1 - Drill 3/64 hole in bench work 1 1/4" from points
- Step 2 - Make a right angle bend at the end of a .039" music wire that is 7/8" long
- Step 3 - Push the wire up through the bench work from the bottom side
- Step 4 - Make a right angle bend 1" from the top of the ties
- Step 5 - Cut off the end of the wire but leave more than 1 1/4"
- Step 6 - Make a right angle bend ~ 1 1/4" from the place wire the wire goes through the bench work
- Step 7 - Trim end of wire if to long

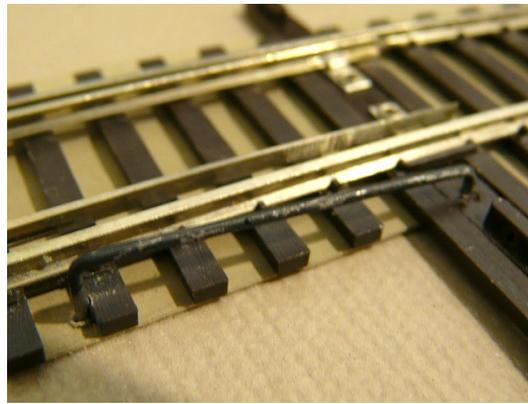
Cut so there is enough wire to bend down to fit into hole



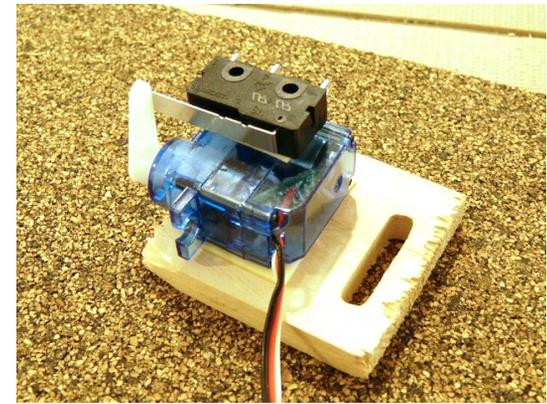
The distance the servo arm slips on the end of the 7/8" bell crank is not critical. Since this distance is less than the 1 1/4" distance on the track side there is a mechanical advantage. This means the servo arm does not have to move as far.

Servo move range = 35

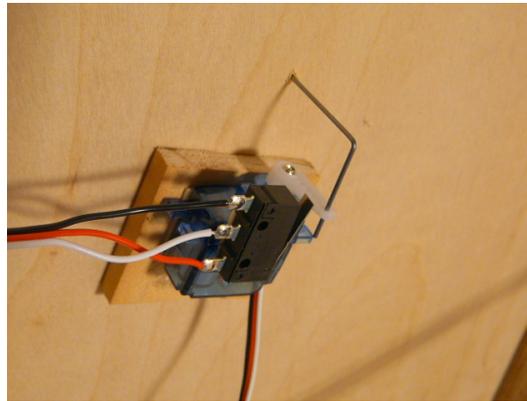




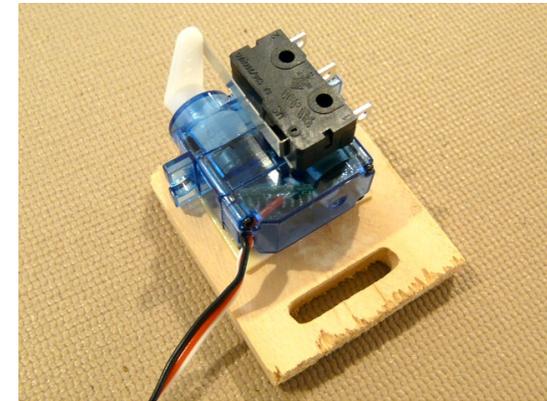
Throw arm has been weathered



Microswitch with longer arm is DigKey #
~~EG4546-ND~~ EG4544-ND



Servo mounted under bench.
Microswitch used for frog power
routing.



Slot in wood allows for sideways
adjustment.

