

Demonstrates solutions to some problems in major project production.

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## Evidence of Problem Solving

In a project of this nature problems are going to occur. In this section I will have documented the problems I have encountered and how I was able to solve them.

**Problem one:** When working on the inside of my H-legs I routed down too far which caused the brace of the legs to change. Therefore changes had to be made.

**Resolution:** Luckily the routing did not go all the way down so I had to re-measure the brace and make the routing join the brace evenly. My plan in the beginning was to only router the outside of the legs, however a lack of concentration as shown can almost destroy your job.

**Problem two:** While routing, the wheel that the router runs on stiffened up and required oil to loosen it up. However due to the stiffness of the wheel I burnt a black line down the side of the legs.

**Resolution:** I oiled the wheel before completing the routing. However to remove the burnt lines I used the spindle sander and sanded off the burnt line.

**Problem three:** On my 16mm MDF I was planning to cut out both the insert and drink tray out of the same sheet. However I measured out the insert at 1880mm in length then I left a gap 120mm to then draw the drink tray. The reason this was a problem was that the drink tray and insert are supposed to be a perfect fit and if I left that 120mm gap for error the pieces won't fit right as shown below. So I began cutting in the gap

**Resolution:** I stopped and repaired the cuts by gluing them back together, and then correctly cutting the line out using a jigsaw.