



<http://www.home.earthlink.net/~halloweenobsession/halloween/Projects/coffin.html>

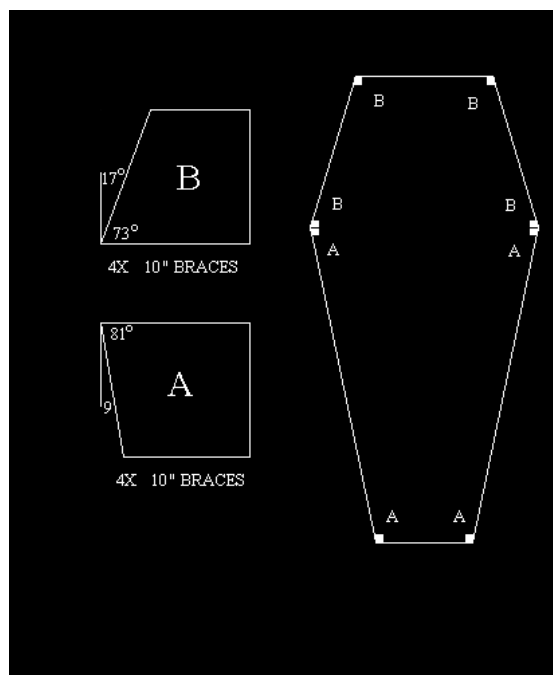
## Sit-up Coffin Mechanism

I am not the first on the list to do this, but this is my version. I made a L shaped bracket out of 1 inch PVC pipe and an 90 degree ell.

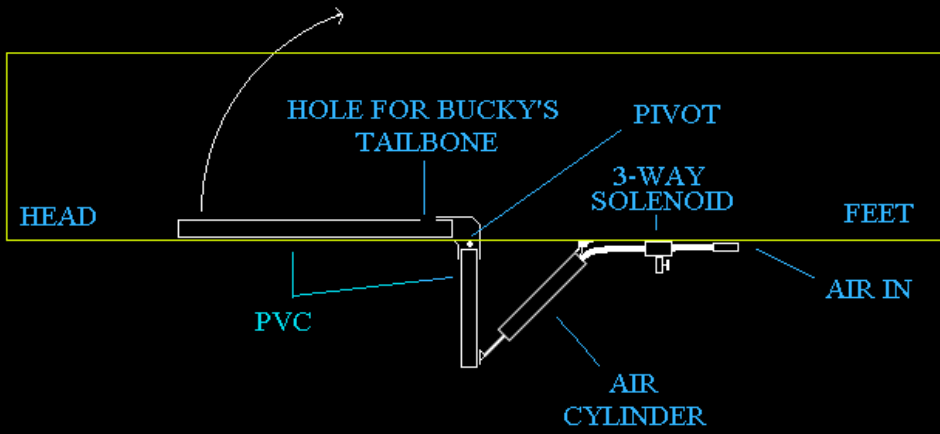
I drilled a hole through the ell for a pivot rod, which is bolted to the bottom of the casket using a pair of U-bolts. Bucky's tailbone sits in a hole in the PVC and his neck is strapped to the end of the pipe. I removed the pins that attach his legs to the pelvis, and replace them with small bungie cords.

This gave him a lot more flexibility. The air cylinder is attached between the PVC bracket and the bottom of the casket. The cylinder is attached to a 3-way solenoid. When the solenoid is activated air is let into the cylinder making Bucky sit up.

When the solenoid is deactivated, the air from the cylinder is vented through a needle valve which controls the speed at which Bucky lays down, so Bucky does not slam back into the casket.



# SIT-UP SKELETON CASKET SIDE VIEW



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