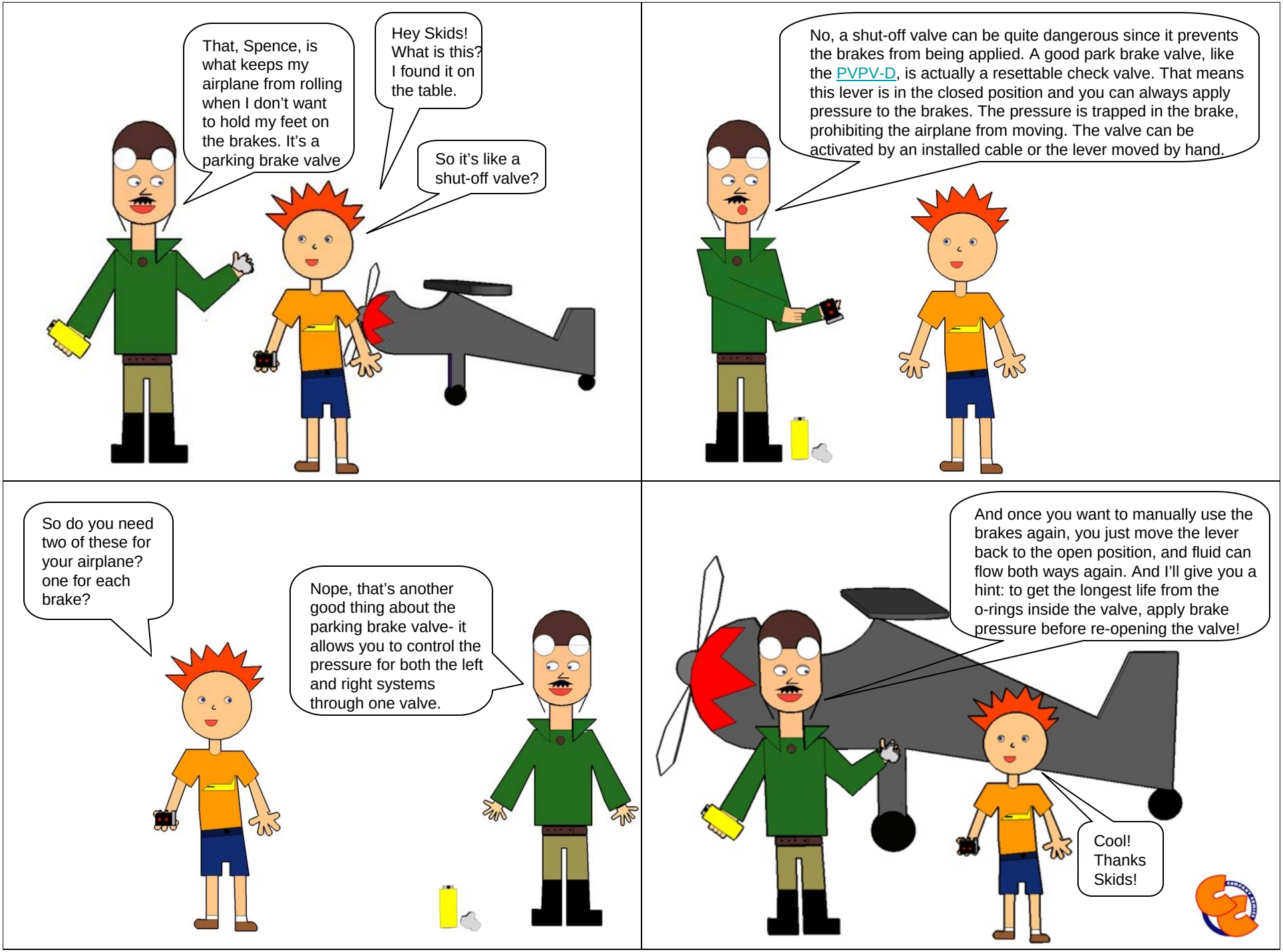
That, Spence, is what keeps my airplane from rolling when I don't want to hold my feet on the brakes. It's a parking brake valve
Hey Skids! What is this? I found it on the table.
So it's like a shut-off valve?
No, a shut-off valve can be quite dangerous since it prevents the brakes from being applied. A good park brake valve, like the PVPV-D, is actually a resettable check valve. That means this lever is in the closed position and you can always apply pressure to the brakes. The pressure is trapped in the brake, prohibiting the airplane from moving. The valve can be activated by an installed cable or the lever moved by hand.
So do you need two of these for your airplane? one for each brake?
Nope, that's another good thing about the parking brake valve- it allows you to control the pressure for both the left and right systems through one valve.
And once you want to manually use the brakes again, you just move the lever back to the open position, and fluid can flow both ways again. And I'll give you a hint: to get the longest life from the o-rings inside the valve, apply brake pressure before re-opening the valve!
Cool! Thanks Skids!