

Adapt Your Compression Tester to the Ford N Tractor with the Hood Installed

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First off, thanks to Bill Griffin for the inspiration for adapting a standard compression tester to use on an 8N tractor with the hood still installed, and the use of air tool quick connects. This tutorial will show you how to adapt your compression tester so that it can be used in a tight ceiling area like the N tractor with the hood and gas tank left installed. You will be able to easily install the compression fitting into each spark plug hole in the tight ceiling area under the gas tank.

Parts I Used:

- (2) 1/4" MIP x 1/8" FIP brass reducing bushing
- (2) 1/8" MIP brass nipple
- (1) 1/8" 90° brass elbow
- (1) 1/4" female air tool coupler
- (1) 1/4" male air tool coupler

How to Assemble the Parts:

I used plumbing paste on all male threads when assembling. You need leak-tight fittings to get the most accurate compression readings.

Screw 1/8" end of adapter bushing onto threaded compression tester fitting and tighten well.

Screw female air coupler to 1/4" end of adapter bushing.

Screw male air coupler to 1/4" end of the other adapter bushing.

Screw 1/8" nipple into other end of adapter bushing.

Screw other end of 1/8" nipple into brass elbow fitting.

Screw second 1/8" nipple into other end of brass elbow fitting.

Screw spark plug hole compression tester fitting onto the other end of the 1/8" nipple.

How to Use:

Disconnect the air tool coupler to allow you to screw the compression tester end into each spark plug hole and then reconnect to run your test for each cylinder.

