

INSTALLING VALVE GUIDES

Good Parts supplies guides in two different lengths, 2.070" and 2.260". The model of the car determines which length guides are needed for intake and exhaust valves. Be sure to install the proper length guides in the correct locations. In a TR6, the shorter 2.070" guides are for intake and the longer 2.260" guides are exhaust.

Press the guide into the head from the top making sure that the press fit is tight enough that at least a ton of force is required. On a few occasions I have seen heads with one or more holes slightly oversize allowing the guide to slide in with little or no press fit. Apparently, the factory had compensated with custom, slightly oversize guides for a proper press fit. Oversize bronze guides are available.

The factory installed the guides in the TR6 head with 0.625" protruding from the head. This works fine with factory valve lift even with valve seals added. However, if you will be using a cam or rockers that result in higher than factory valve lift and installing valve seals, you may need to press the guides in a little further to prevent the retainer from hitting the valve seal at full lift. As a reference, I usually install guides to 0.570" height to allow for up to approx. 0.425 to 0.450" lift. To calculate your actual maximum guide height put a valve in place without valve springs and hold an intake retainer and locks in place then measure the distance from the top of the head to the bottom of the retainer. From that measurement, subtract your net valve lift and the height that your valve seal will extend above the guide. With Good Parts Viton seals this is 0.165". The result is the maximum allowed guide height.

Good Parts Viton Valve Seal set (SKU 023V) includes a seal installation tool that also functions as a guide press-in tool that will set the installed height at 0.570". An extra shim washer(s) can be used under the tool to increase installed guide height.

After pressing the guide in, hone or ream the guides for the desired clearance to the valve stem. Recommended clearance for bronze guides is 0.0015" to .0020" intake and 0.0020" to .0025" exhaust.



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