

MASKING TIP SHEET

Custom-molded push plug protects hydraulic cylinders

Problem. A recreational vehicle parts manufacturer had a steering tube that required a mask for two different-sized holes connected via a tunnel. Protecting the interior of the part tunnel and multilevel countersink holes was critical for the following reasons:

- To keep liquid out of the part tunnel
- To protect the countersink holes from the coating process

Solution. The mating plug, a tapered plug made of metal and rubber, was designed to mask the interior of the part tunnel and multilevel countersink holes. The masking material withstands high-temperature finishing processes such as pow-

der coating, plating, and e-coating, ensuring long service life and consistent masking protection. This mask is applied by inserting the screw-attached mask through a 10-inch borehole and screwing the smaller flanged plug to its opposite end. The turn tabs on the plug ends allow easy application and removal, while screwing the pieces together ensures an airtight seal. The lip on the rim of the plug protects the countersink holes.

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Thanks to Echo Engineering and Production Supplies, Indianapolis; 317/876-8848 [www.echosupply.com].

