

# BMW M4 Air Filter Cover



## Application

Controlled Tightening of Air Filter Cover on BMW M4

## Solution

Norbar New Professional Model 25 with Automotive Ratchet, calibrated range = 5-25N·m

**Overview:** A fairly recent addition to the New Professional family is the Model 25 torque wrench. With its automotive ratchet, comfortable handle design and proven mechanism, this new torque wrench can be trusted to deliver accurate results on threaded fasteners. It is really at home in engine bays performing work in restricted spaces tightening fasteners to a high level of accuracy.

In the image above, the torque wrench is performing a tightening operation on the air filter cover. This needs to be correctly tightened in order to suppress vibrations and engage any seals or gasket assemblies.

Although manufacturer's concentrate on keeping vibration levels to a minimum, there are still various forces acting upon a vehicle whilst in motion. Of all the reasons a vehicle can shake and vibrate, engine vibration deserves special scrutiny. This is because it can have an impact on driver and passenger comfort, driver endurance and of course its opposite, fatigue as well as vehicle durability. Therefore it is important to follow the manufacturer's guidelines and understand correct torque control.

**Solution:** The Norbar model 25 was the preferred choice, not only does the handle material and scale lens resist all chemicals in common automotive use, but the ratchet has 48 engagement points, meaning you can ratchet back and apply torque in confined spaces. The wrench easily performed the task of tightening the air filter cover to within the manufacturer's specifications.



*Within our family of distributors we share applications and can often recommend solutions that have been tried and tested elsewhere.*

