

Tech.Cust.Service
VS-2010 wk/Kr/fm

BMW 1602 - 3.0 CS
Group: Engine

Munich, Oct '74
11 11 74(926) e

Ref: Retightening cylinder head bolts and exhaust manifold nuts
on the occasion of pre-delivery inspection
- BMW 1602 - 3.0 CS

Dear Sirs,

As our warranty statistics as well as comprehensive tests show, cylinder head and exhaust manifold gaskets are depressed in a higher degree just during the initial service hours and after a short period of application.

As you know, every engine is submitted to a scrutinizing run on the test stand after final assembly. Then, the most important bolted connections as, for example, cylinder head bolts and exhaust manifold nuts, are checked again and tightened, if necessary.

These measures, however, are not sufficient. We therefore have to insist on a repeated checking and retightening procedure on the occasion of the pre-delivery inspection. Only this way can - especially during the initial important service hours - a balanced distribution of forces be reached enabling a sufficient gasket life.

As to the BMW turbo, the exhaust manifold nuts should be checked and tightened, if necessary, every 6,000 km/4,000 miles.

BMW 1602 - 3.0 CS - Retighten cylinder head bolts with engine cold, max. coolant temperature $35^{\circ}\text{C}/95^{\circ}\text{F}$, tightening torque $7 \pm 0.2 \text{ mkp}/50.6 \pm 1.4 \text{ ft.lb.}$

On the occasion of pre-delivery inspection,
1st inspection at 1,000 km/600 miles and oil
service at 6,000 km/4,000 miles.

BMW turbo - On the occasion of pre-delivery inspection,
1st inspection at 1,000 km/600 miles and oil
service at 6,000 km/4,000 miles.

BMW 1602 - 3.0 CS - Retighten exhaust manifold nut with engine cold, tightening torque $3.0 \pm 0.3 \text{ mkp}$
 $/21.7 \pm 2.17 \text{ ft.lb.}$

On the occasion of pre-delivery inspection,
1st inspection at 1,000 km/600 miles, and every
15,000 km/10,000 miles to follow(BMW inspection).

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BMW turbo

- Retighten exhaust manifold nut with engine cold, tightening torque 5.5 ± 0.5 mkp / 39.8 ± 3.6 ft.lb.

On the occasion of pre-delivery inspection, 1st inspection at 1,000 km/600 miles, and every 6,000 km/4,000 miles to follow (oil service).

Yours faithfully,
BAYERISCHE MOTOREN WERKE
Aktiengesellschaft

ppa

i.V.

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Kortas