

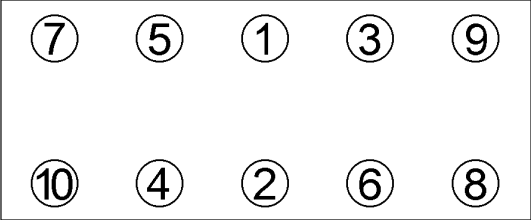
|                                                  |  |                                                                                         |                                                                                                   |
|--------------------------------------------------|--|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b>Anziehvorschrift für Zylinderkopf</b>         |  | <b>076.010</b><br>passend für / suitable for<br>adaptable à / adaptable a<br><b>BMW</b> | <br>Das Original |
| <b>Tightening Instructions for Cylinder Head</b> |  |                                                                                         |                                                                                                   |
| <b>Instructions de serrage pour culasse</b>      |  |                                                                                         |                                                                                                   |
| <b>Prescripciones de apriete para culatas</b>    |  |                                                                                         |                                                                                                   |

Schraubenkopf / Head shape  
 Tête de vis / Cabeza de tornillo



802.661  
M 12x1,5x147

Anziehreihenfolge/Tightening sequence/Ordre de serrage/Orden de apriete



|                                                 |                                                                      |
|-------------------------------------------------|----------------------------------------------------------------------|
| Anziehen/<br>Tightening/<br>Serrage/<br>Apriete | * 40 Nm<br>80 Nm<br><input type="checkbox"/> 50 Nm<br>➤ 90°<br>➤ 90° |
|-------------------------------------------------|----------------------------------------------------------------------|

Zeichenerklärung / Explanations / Explication / Explicacion

|   |                                             |                              |                                |                                       |
|---|---------------------------------------------|------------------------------|--------------------------------|---------------------------------------|
| * | neue Zylinderkopf-schrauben verwenden       | use new cylinder head bolts  | utiliser des vis neuves        | emplar tornillos nuevos               |
| ★ | Warmlauf (80°C)                             | warm up time (80°C)          | chauffage (80°C)               | calentamiento (80°C)                  |
| □ | Schrauben einzeln lösen und wieder anziehen | loosen and tighten each bolt | deserrer et serrer vis par vis | aflojar y apretar tornillo a tornillo |
| ● | Setzzeit                                    | relaxation time              | durée de tassement             | tiempo de espera                      |
| ➤ | Drehwinkel                                  | torque angle                 | angle de serrage               | ángulo de giro                        |

**Motortyp / Engine type / Type de moteur / Tipo de motor**  

✚ 1,8 mm, Ø 84,5 mm

Mot.: M47 D20

E46 318d, 320d  
E39 520d

|                                                                                |                  |
|--------------------------------------------------------------------------------|------------------|
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