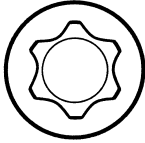
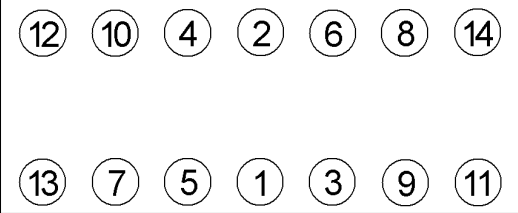
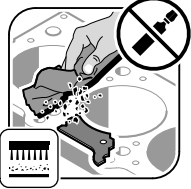
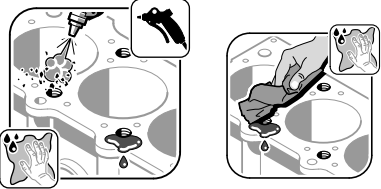
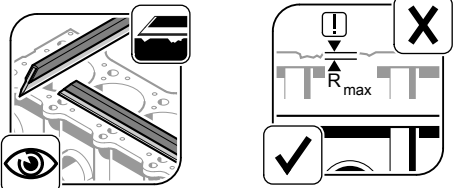

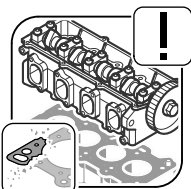
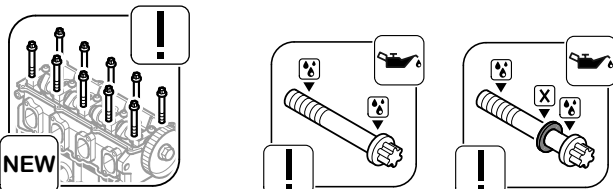
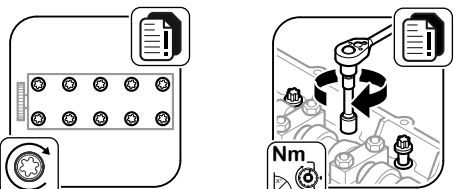





|   |   |   |                                |                                       |
|---|---|---|--------------------------------|---------------------------------------|
| <b>Anziehvorschrift für Zylinderkopf</b>  |   | passend für / suitable for<br>adaptable à / adaptable a<br><b>BMW</b>             |                                |                                       |
| <b>Tightening Instructions for Cylinder Head</b>                                  |   |   |                                |                                       |
| <b>Instructions de serrage pour culasse</b>                                       |   |   |                                |                                       |
| <b>Prescripciones de apriete para culatas</b>                                     |   |   |                                |                                       |
| Schraubenkopf / Head shape<br>Tête de vis / Cabeza de tornillo                    |   | Anziehreihenfolge/Tightening sequence/Ordre de serrage/Orden de apriete           |                                |                                       |
|  |   |  |                                |                                       |
| 820.229<br>M 10 x 150   |   |   |                                |                                       |
| Anziehen/<br>Tightening/<br>Serrage/<br>Apriete                                   | * 30 Nm<br>➤ 90°<br>➤ 90°                   |   |                                |                                       |
| Zeichenerklärung / Explanations / Explication / Explicacion                       |   |   |                                |                                       |
| *   | neue Zylinderkopfschrauben 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                        |
| <b>Motortyp / Engine type / Type de moteur / Tipo de motor</b>                    |   |   |                                |                                       |
| Mot. M20  |   |   |                                |                                       |

# WALLOTHNESCH.COM

# Nr. 4

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|   |   |   |          |
|---|---|---|----------|
|  |  |  |          |
| R <sub>z</sub>  | 15-20 µm  | 11 µm   | 11-20 µm |
| R <sub>max</sub>  | 20-25 µm  | 15 µm   | 15-20 µm |
| W <sub>t</sub>  | 8-10 µm   |   |          |