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**BMW 3-Series 320i & 320xi (12-14), 325i, 325xi, 330i & 330xi (06) & 328i & 328xi (07-14) Haynes Online Manual**

## Specifications

### Transmission type

328i, 328xi	GA6L45R (GM)
325i, 325xi, 330i, 330xi	GA6HP19Z (ZF)
320i, 328i	GA8HP45Z (ZF)

Ft-lbs (unless otherwise indicated)    Nm

### Torque specifications

**Note:**

One foot-pound (ft-lb) of torque is equivalent to 12 inch-pounds (in-lbs) of torque. Torque values below approximately 15 foot-pounds are expressed in inch-pounds, because most foot-pound torque wrenches are not accurate at these smaller values.

**Note:**

On some applications different grades of bolt are used; the grade of each bolt is stamped on the bolt head. Ensure that each bolt is tightened to the correct torque for its grade.

#### Transmission-to-engine bolts\*

##### 6-speed models

##### M10 x 30 mm

Stage 1	15	20
Stage 2	Tighten an additional 90-degrees	

##### M10 x 85 mm

Stage 1	15	20
Stage 2	Tighten an additional 180-degrees	

##### M12

Stage 1	18	25
Stage 2	Tighten an additional 130-degrees	

**8-speed models**

M6 bolts	80 in-lbs	9
M10 x 8.8 bolts	28	38
M10 x 10.9 bolts	41	56
Steel Torx bolts M8	168 in-lbs	19
Steel Torx bolts M12	50	66

**Output flange nut\***

Stage 1	140	190
Stage 2	Loosen 360-degrees	
Stage 3	89	120

**Torque converter-to-driveplate bolts****E-series chassis**

M8	19	26
M10		
8.8	36	49
10.9	41	56

**F-series chassis**

M10 x 10.9 bolt	44	60
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**Transmission crossmember-to-body bolts****6-speed models**

M8	15	21
M10	31	42

8-speed models	168 in-lbs	19
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**Transmission mount-to-transmission fasteners****6-speed models**

M8	15	21
M10	31	42

**8-speed models**

AWD models	50	68
RWD models	168 in-lbs	19

Transmission oil drain plug\* See [Chapter 1](#)

Transmission oil filler/level plug See [Chapter 1](#)

\*

*Do not re-use.*

**Caution:**

All aluminum fasteners must be replaced with new ones whenever they are removed. If in doubt, try to attract it with a magnet (aluminum is not magnetic). Additionally, most aluminum fasteners are identified with a blue paint marking.

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