



Haynes
shows you how

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

Specifications

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 installations, different grades of bolts 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.

Clutch

Clutch master cylinder mounting nuts	80 in-lbs	9
Clutch pressure plate-to-flywheel bolts - new ZNS (external Torx) bolts		
Step 1	132 in-lbs	15
Step 2	Tighten an additional 90-degrees	
Clutch release cylinder	16	22

Driveaxles

Driveaxle hub nut-(E-series chassis)		
Front (AWD models)	310	420
Driveaxle hub bolt (F-series chassis)*		
Step 1	154.5	210
Step 2	Tighten an additional 90 degrees	

Rear axle hub nut***E-series chassis**

M24	185	250
M27	310	420

F-series chassis

Step 1	107	145
Step 2	Tighten an additional 45 degrees	

Rear driveaxle-to-differential flange bolts-(E-series chassis)

M8 Torx	39	52
M10 Torx	52	70
M12 Torx	89	120

Differential**Front (AWD models)**

Bearing pedestal-to-oil pan bolts	20	27
Front differential-to-oil pan bolts	48	65
Subframe reinforcement plate bolts		
Step 1	41	56
Step 2	Tighten an additional 90-degrees	

Rear (all models)**Differential-to-subframe bolts**

Front	74	100
Rear	122	165
Oil filler plug	44	60
Vibration damper on bracket (where equipped)	50	68

Driveshafts**Front driveshaft (AWD models)****Mounting bolts***

Stage 1	15	20
Stage 2	Tighten an additional 45-degrees	

Rear driveshaft-to-transmission*

M10 bolts with 8.8 stamp	48	35
M10 bolts with 10.9 stamp	64	47
ZNS (external Torx) bolts/nuts		
Step 1		
With M10 bolts	15	20

With M12 bolts	41	55
Step 2	Tighten an additional 90 degrees	
Rear driveshaft-to-rear differential		
Flex-disc models		
Step 1		
With M10 bolts, with flex-disc	15	20
With M12 bolts, with flex-disc	41	55
Step 2	Tighten an additional 90 degrees	
Universal joint models		
With ribbed teeth under bolt head		
Step 1	30	40
Step 2	Tighten an additional 45 degrees	
Without ribbed teeth under bolt head		
Step 1	15	20
Step 2	Tighten an additional 90 degrees	
Rear driveshaft center-bearing support bracket nuts/bolts	15	21

Wheels

Wheel bolts

See [Chapter 1](#)

*Do not reuse