

Fastener Tightening Specifications (cont'd)

Application	Specification	
	Metric	English
Heater Inlet Pipe Nut	25 N-m	18 lb ft
Ignition Coil Bracket Bolt/Nut/Stud	25 N-m	18 lb ft
Intake Manifold Coolant Pipe Bolt	10 N-m	89 lb in
Knock Sensor	19 N-m	14 lb ft
Lower Intake Manifold Bolt	13 N-m	115 lb in
MAP Sensor Bolt	5 N-m	44 lb in
Oil Cooler Connector	50 N-m	37 lb ft
Oil Cooler Hose Fitting	19 N-m	14 lb ft
Oil Cooler Pipe Bracket Bolt	10 N-m	89 lb in
Oil Filter	13 N-m	115 lb in
Oil Filter Bypass Hole Plug	19 N-m	14 lb ft
Oil Filter Fitting	39 N-m	29 lb ft
Oil Gallery Plug — 1/4 inch	19 N-m	14 lb ft
Oil Gallery Plug — 3/8 inch	33 N-m	24 lb ft
Oil Level Indicator Tube Stud	25 N-m	18 lb ft
Oil Level Sensor Bolt	10 N-m	89 lb in
Oil Pan Bolt	25 N-m	18 lb ft
Oil Pan Drain Plug	25 N-m	18 lb ft
Oil Pan Side Bolt	50 N-m	37 lb ft
Oil Pump Cover Bolt	10 N-m	89 lb in
Oil Pump Drive Clamp Bolt	36 N-m	27 lb ft
Oil Pump Mounting Bolt	41 N-m	30 lb ft
Spark Plug	27 N-m	20 lb ft
Thermostat Bypass Pipe to Cylinder Head Nut	25 N-m	18 lb ft
Thermostat Bypass Pipe to Engine Front Cover Bolt	12 N-m	106 lb in
Thermostat Bypass Pipe to Throttle Body Nut	25 N-m	18 lb ft
Throttle Body Bolt/Stud	25 N-m	18 lb ft
Timing Chain Dampener Bolt	21 N-m	15 lb ft
Upper Intake Manifold Bolt/Stud	25 N-m	18 lb ft
Valve Lifter Guide Bolt	10 N-m	89 lb in
Valve Rocker Arm Bolt	19 N-m + 30°	14 lb ft+ 30°
Valve Rocker Arm Cover Bolt	10 N-m	89 lb in
Water Outlet Bolt	25 N-m	18 lb ft
Water Pump Bolt	10 N-m	89 lb in
Water Pump Pulley Bolt	25 N-m	18 lb ft

Chevy Engine Torque Specs

Michael Rajnik

A red circular graphic with a gradient, appearing as a stylized arrow or a partial circle, located to the right of the author's name.

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Table of Contents Chevy Engine Torque Specs

1. Understanding the eBook Chevy Engine Torque Specs
 - The Rise of Digital Reading Chevy Engine Torque Specs
 - Advantages of eBooks Over Traditional Books
2. Identifying Chevy Engine Torque Specs
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Chevy Engine Torque Specs
 - User-Friendly Interface
4. Exploring eBook Recommendations from Chevy Engine Torque Specs
 - Personalized Recommendations

- Chevy Engine Torque Specs User Reviews and Ratings
- Chevy Engine Torque Specs and Bestseller Lists
- 5. Accessing Chevy Engine Torque Specs Free and Paid eBooks
 - Chevy Engine Torque Specs Public Domain eBooks
 - Chevy Engine Torque Specs eBook Subscription Services
 - Chevy Engine Torque Specs Budget-Friendly Options
- 6. Navigating Chevy Engine Torque Specs eBook Formats
 - ePub, PDF, MOBI, and More
 - Chevy Engine Torque Specs Compatibility with Devices
 - Chevy Engine Torque Specs Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Chevy Engine Torque Specs
 - Highlighting and Note-Taking Chevy Engine Torque Specs
 - Interactive Elements Chevy Engine Torque Specs
- 8. Staying Engaged with Chevy Engine Torque Specs
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Chevy Engine Torque Specs
- 9. Balancing eBooks and Physical Books Chevy Engine Torque Specs
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Chevy Engine Torque Specs
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Chevy Engine Torque Specs
 - Setting Reading Goals Chevy Engine Torque Specs
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Chevy Engine Torque Specs
 - Fact-Checking eBook Content of Chevy Engine Torque Specs

- Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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