

[Table Of Contents](#)

Acknowledgments

Chapter 1:

Evolution not Revolution: G-Body History

A-Body Becomes G-Body

Chevrolet

Pontiac

Oldsmobile

Buick

Chapter 2:

On the Hunt: Finding Your Ideal G-Body

Choosing a Model

Setting Performance Goals

Creating a Budget

General Inspection

Rust Issues

Body Damage

Chassis Considerations

Chapter 3:

Maximizing Stopping Power: Stock and Aftermarket Brakes

Hydroboost Brake System

Powermaster Brake System

Brake Upgrades

Spindles

Brake Proportioning Valve

Brake Lines

Brake Conversions

Aftermarket Brake Systems

Chapter 4:

Getting a Grip: Front Suspension Performance

Component Options

Stock Control Arms

Aftermarket Control Arms

Sway Bars

Shocks

Springs

Chapter 5:

Handling on Rails: Steering System Upgrades

Steering Box

Rack-and-Pinion Conversion

Power Steering Hose

Power Steering Pump

Chapter 6:

Hooking Up: High-Performance Rear Suspension

Control Arms

Bushings

Sway Bars

Shocks

Air Bag Suspension

Chapter 7:

Building a Strong Foundation: Chassis and Frame Upgrades

Separate Frame from Body

Frame Rail Boxing

Roll Bar and Roll Cage Installation

Crossmembers

Wheel Clearance

Aftermarket Chassis

Chapter 8:

Putting the Power Down: High-Performance Differentials and Axles

GM 10- or 12-Bolt

Ford 9-Inch

Dana 60

Budget Option

Stock Axle Assembly Upgrades

Ring-and-Pinion Gears

Pinion Supports and Yokes

Axle Shafts

Wheel Studs

Limited-Slips

Detroit Lockers

Spools

Differential Covers

Back Braces

Gear Cases

Chapter 9:

Get Into Gear: Manual and Automatic Transmissions

Powerglide

Turbo Hydra-Matic

New-Generation Transmissions

OEM Manual Transmissions

Aftermarket Manual Transmission

Chapter 10:

A High-Performance Trans-Formation: Manual Transmission Swaps

Transmission Fit

Clutch Pedal

Driveshaft

Speedometer Drive

Shifter

Chapter 11:

A Higher Power: Engine Swaps

Traditional V-8 Power

LS Series

Engine Mounts

Wiring and Engine Management

Exhaust

Intake

Carburetor or EFI

Fuel System

Cooling System

Swap Kits

Gauges 1

Accessories

Chapter 12:

Driving in the Lap of Luxury: Performance Interior Upgrades

Gauges

Wiring Harness

Steering Wheel

Shifter

Seats

Safety Restraints

Source Guide