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› Tuff Stuff Power Brake Booster 2129NB-2 Instruction Manual

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MODEL: 2129NB-2

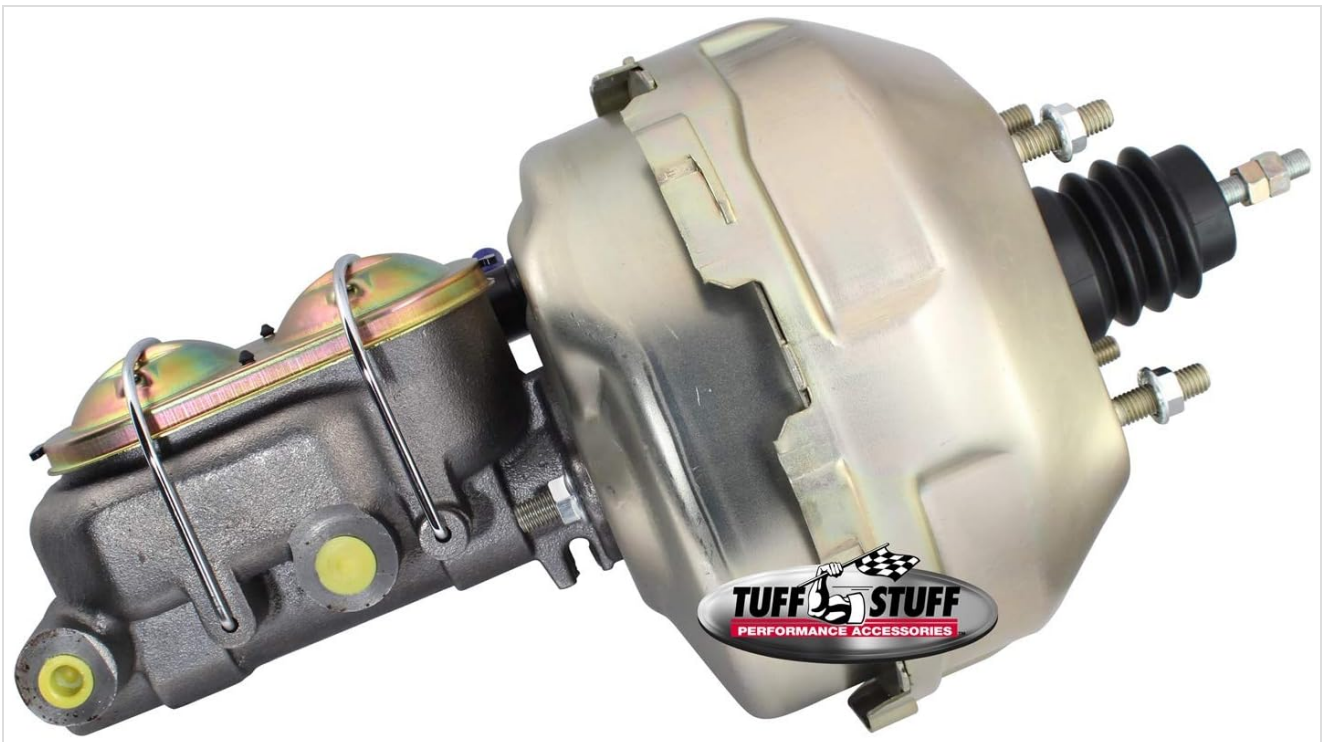


Image of the Tuff Stuff Power Brake Booster and Master Cylinder assembly, showing the cadmium-plated booster and cast iron master cylinder.

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Tuff Stuff Power Brake Booster, Model 2129NB-2. Designed for Chevy Corvette 1968-82, this 9-inch OD dual diaphragm steel cadmium booster is engineered to exceed OEM specifications, ensuring reliable and enhanced braking performance.

2. Safety Information

WARNING: Installation of brake components should only be performed by qualified personnel. Improper

installation can lead to brake failure, serious injury, or death. Always wear appropriate personal protective equipment (PPE) and follow all vehicle manufacturer's service procedures. Disconnect the vehicle's battery before beginning work.

Proposition 65 Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. Product Overview

The Tuff Stuff Power Brake Booster 2129NB-2 is a high-performance unit designed to enhance your vehicle's braking system. It features a 9-inch outer diameter, dual diaphragm design, and a durable steel construction with a cadmium finish. This unit is assembled, plated, and polished in-house to ensure quality and reliability.

Key features include:

- Available in natural and triple chrome plate finishes (this model is cadmium).
- Assembled, plated, and then polished in-house by Tuff Stuff.
- Built from hefty cast iron to exceed OEM specifications.



Alternate view of the Tuff Stuff Power Brake Booster and Master Cylinder, highlighting the overall assembly from a different angle.



Close-up view of the Tuff Stuff Power Brake Booster, emphasizing the 9-inch OD dual diaphragm design and mounting points.

4. Setup and Installation

Proper installation is critical for the safe and effective operation of your brake system. If you are not experienced with automotive brake system installation, it is highly recommended to seek professional assistance.

Pre-Installation Checklist:

- Verify all components are present and undamaged.
- Ensure you have the necessary tools and safety equipment (e.g., jack stands, wrench set, brake fluid, bleeding kit, safety glasses, gloves).
- Consult your vehicle's service manual for specific procedures related to your Chevy Corvette 1968-82.

General Installation Steps:

1. Disconnect the vehicle's battery to prevent electrical hazards.
2. Carefully drain the brake fluid from the master cylinder reservoir.
3. Disconnect the brake lines from the master cylinder. Cap the lines to prevent fluid loss and contamination.
4. Disconnect the vacuum hose from the brake booster.
5. From inside the vehicle, remove the nuts securing the booster to the firewall.
6. Carefully remove the old booster and master cylinder assembly from the vehicle.
7. Install the new Tuff Stuff Power Brake Booster, ensuring proper alignment with the firewall studs and brake pedal pushrod.
8. Reconnect all brake lines to the new master cylinder, the vacuum hose to the booster, and secure the mounting nuts from inside the vehicle.
9. Thoroughly bleed the entire brake system to remove all air. Follow the vehicle manufacturer's recommended bleeding procedure.
10. Refill the master cylinder with the appropriate type and amount of brake fluid.
11. Reconnect the vehicle's battery.

5. Operating Instructions

After installation and bleeding, perform a series of low-speed tests in a safe, open area to confirm proper brake function. The brake pedal should feel firm and responsive, and the vehicle should stop smoothly and predictably. Listen for any unusual noises or sensations during braking.

Regularly check brake fluid levels and inspect for any signs of leaks or abnormal operation.

6. Maintenance

- **Brake Fluid:** Periodically check the brake fluid level in the master cylinder reservoir. Top off with the recommended brake fluid if necessary. Replace brake fluid according to your vehicle manufacturer's service schedule.

- **Brake Lines and Connections:** Inspect all brake lines and connections for signs of wear, corrosion, or leaks during routine vehicle inspections.
- **Vacuum Hose:** Check the vacuum hose connected to the brake booster for cracks, kinks, or damage that could affect vacuum supply.
- **Booster Inspection:** Visually inspect the booster for any external damage or signs of fluid leakage.

7. Troubleshooting

- **Soft or Spongy Brake Pedal:** This typically indicates air in the brake lines. Re-bleed the entire brake system thoroughly.
- **Hard Brake Pedal (requires excessive force):** Check the vacuum hose connection to the booster for leaks or disconnections. Ensure the engine is producing adequate vacuum. Inspect the booster for internal diaphragm leaks.
- **Brake Fluid Leaks:** Inspect all connections at the master cylinder and brake lines for visible leaks. Tighten connections or replace faulty components as needed.
- **Unusual Noises During Braking:** Investigate the source of the noise. This could indicate issues with brake pads, rotors, or other brake system components.

If you encounter persistent issues or are unsure about any troubleshooting steps, consult a certified automotive technician.

8. Specifications

Specification	Detail
Manufacturer	TUFF-STUFF
Brand	Tuff Stuff
Model	2129NB-2
Item Weight	19.21 pounds
Product Dimensions	12 x 14 x 22 inches
Exterior Finish	Machined (Cadmium)
Manufacturer Part Number	2129NB-2
Position	Center

9. Warranty and Support

Warranty information for Tuff Stuff products is typically provided at the point of purchase or on the manufacturer's official website. Please refer to your purchase documentation or contact Tuff Stuff customer support for details regarding warranty coverage and technical assistance.

For further support or inquiries, please visit the official Tuff Stuff website or contact their customer service department.

