

# M.C Wiring And Controls

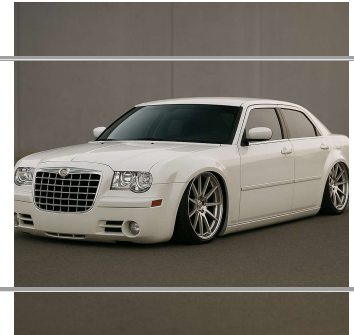
ENERGIZING YOUR RIDE, ONE CONNECTION AT A TIME.

## 📄 Estimate Pack — Chrysler 300 AWD HEMI (2006)

### Motor & Transmission Mount Shimming – Suspension Clearance Mod

MC Wiring & Controls — Wenatchee, WA

Michael T | Owner & Lead Technician



## 🔧 Objective

Shim engine and transmission mounts up to **½ inch** to allow for suspension lowering while maintaining drivetrain geometry and minimizing NVH.

## 📦 Labor Breakdown

Task	Time (hrs)	Notes
Vehicle lift + prep	0.5	Secure AWD chassis, inspect mounts
Mount teardown (engine + trans)	1.5	Support drivetrain, remove OEM bolts
Shim install + bolt fitment	1.0	Insert spacers, torque longer bolts
Clearance check + test drive	0.5	Inspect CV angles, exhaust clearance

**Total Labor: 3.5 hrs**

Shop Rate: \$87.50/hr → \$306.25 (Includes verification of +/- 5° leveling of half shafts under self weight)

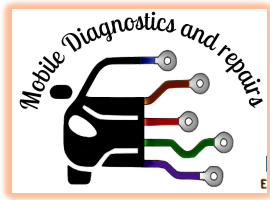
## 📦 Parts & Sourcing

Item	Source	Est. Cost	Notes
Mount shims (½" steel/alum)	Fabricated	\$45.00	2–4 pieces, CNC or hand-cut
Longer bolts (Grade 10.9)	Tacoma Screw	\$28.00	Match OEM thread/pitch, +½" length
Threadlocker (Blue)	Local supply	\$8.00	Medium strength
Optional: mount isolators	RockAuto/Mopar	\$60.00	Replace if worn

**Parts Total: \$141.00**

## 🔧 Bolt Spec Reference

- **Engine Mounts:** M10 × 1.5 thread pitch, OEM length ~80mm
- **Trans Mount:** M12 × 1.75 thread pitch, OEM length ~90mm
- **Recommended Upgrade:** +12–15mm length, Grade 10.9 or better
- **Head Style:** Hex flange preferred for subframe clearance



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## ✚ Notes

- Shimming mounts raises engine slightly—check hood clearance if running aftermarket intake
- AWD transfer case clearance must be verified post-drop
- CV joint angles should be rechecked after 100 miles
- Exhaust hangers may need adjustment depending on shim height
- This plan will guarantee drivetrain longevity and durability

## 💬 Client Overlay

“This mod gives us the clearance we need for a clean suspension drop without stressing the drivetrain. We’re keeping geometry tight and vibration low. Bolt spec matched, shims cut, and clearance verified.”

