



California Clutch & Gear presents

The Gear Gazette

Welcome to the Gear Gazette

Welcome to the premiere issue of *The Gear Gazette*, presented by California Clutch & Gear.

California Clutch & Gear is a medium- and heavy-duty truck drive train specialist, based in Santa Fe Springs, California.

We repair and rebuild manual transmissions, differentials, drivelines, clutches and flywheels. We have provided drive train repair to the Southern California area since 1984.

We also offer in-house removal and replacement service.

Please consider California Clutch & Gear for your next drive train purchase.

Call Toll-Free:

(800) 432-7348 #1

Local # (562) 921-7754



one of the largest drive-train inventories in Southern California

Gear Gazette # 1

Ask the Gear Guy:

Q: *I've heard a lot of truck drivers say that the back axle does all the pulling on a truck with tandem axles. Is that true?*

A: This question is a topic of discussion at many truck stops across the country, and a source of a lot of wrong information. And everyone seems to have their own theory.

So what's the truth? Which axle drives the truck? The answer is "both of them."

The fact is, both axles drive the truck, just like both the left and the right tires drive a rear-axle pickup truck, as long as there is no loss of traction.

When the differential or power divider lock is engaged, each axle now drives the truck whether the other axle has traction or not.

Later axle models will also include wheel differential locks so that each wheel will turn, regardless of traction conditions.

A note of caution: driving on a surface with good traction (like a road) with the differential lock engaged is a sure-fire way to dust one or both of your differentials.

The power divider contains a nest assembly that compensates for minor variances in tire wear. Locking the axles disables this compensator, which will cause damage to one or both of your axles.

And **never** lock in your axles when one of wheels is free-spinning. In fact, it's safest to lock in your axles when your truck is stopped.

California Clutch & Gear, Inc

14021 Dinard Avenue

Santa Fe Springs, CA 90670

Attention: Vehicle Maintenance Manager



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About California Clutch & Gear

California Clutch & Gear specializes in transmissions, differentials, clutches, driveline and flywheels for medium- and heavy-duty trucks. We've served the Southern California area for more than 25 years.

We Offer:

- ☐ Hundreds of rebuilt transmission and differentials
- ☐ One of the best-stocked heavy duty drive train parts departments in the area
- ☐ Courteous and knowledgeable staff
- ☐ Free pick up and delivery (call for our service area)
- ☐ Removal and replacement services for your vehicles.

Call us toll-free: (800) 432-7348 #1, or locally at (562) 921-7754 #1

Submissions:

California Clutch & Gear's Gear Gazette gladly accepts submission and drive train questions. You can email your questions and submissions to: questions@caclutchandgear.com.

If you'd prefer, you can mail questions and submissions to:

California Clutch & Gear, 14021 Dinard Ave., Santa Fe Springs, CA 90670

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