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# Installation Instructions



## Adjustable Cam Gear for B21, B23, B230 1976-1995 ipd #140128, 140129



### INSTALLATION TIPS

NOTE: For vehicles with B230 engine (1985 and later) do NOT use cam shim (ipd part #104930) if your engine already has one. If the belt rides past the front edge of the gear, you may need a shim.



### SAFETY WARNINGS



**CAUTION:** Be sure to tighten the 5 adjustment screws when installing. They may not be completely tightened when you receive the gear.

### INSTALLATION

- 1 Remove the old cam gear as described in the workshop manual. Now is a good time to replace the cam belt if necessary.
- 2 Do not replace the belt guide discs on the cam gear, as it will interfere with the adjustment feature. The crank gear has inner and outer guides, which will keep the belt in line with the gears.
- 3 Initially do not replace the cam belt cover so you can make adjustments easily. You can reinstall the cover when your adjustments are complete.

# INSTALLATION

## **How to use the Gear:**

The center mark is the stock setting 0 degrees.

To advance the cam timing adjust the outside mark toward A and retard toward R.

Adjustment requires loosening the five bolts.

Each mark is equal to 1 cam degree or 2 crank degrees. We recommend moving not more than 2 degrees at a time to gauge the best setting for your engine.

Do not over tighten the bolts. Torque is only 5 ft lbs. Anything more can break the bolts.

**Advancing** the cam timing will give more low-end torque and better throttle response.

**Retarding** the timing will give more upper rpm power.

# WARRANTY

## **One Year Limited Warranty**

ipd warrants to the original purchaser that the parts manufactured and/or sold by ipd (the Product) is free from defects in material and workmanship under normal use. ipd warrants that the Product will perform substantially in accordance with the specifications set forth in the documentation provided with it. The above express warranties are made for a period of the lesser of 12,000 miles or 12 months from the date the Product is installed in your vehicle.

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