



## **DENSO** Starters for GM Fleets

### ***Planetary Gear Reduction (PA Type) and Offset Gear Reduction (R Type) Starters***

#### **Features & Benefits:**

##### ***R Type (Offset Gear Reduction) Starters***

- Maximum cranking torque under all conditions.
- Class leaders in size and weight.
- Environmentally designed to start in cold and hot weather conditions.

##### ***PA Type (Planetary Gear Reduction) Starters***

- Oil-less bearing
- Dust and waterproof housing
- Fusible steel plate for safety
- High performance, long life brush
- Planetary gear reduction
- Internal gear ratio 5.67:1
- Smaller, lighter weight



**DENSO**  
**HEAVY DUTY**

# DENSO STARTERS FOR GM FLEETS

## DENSO PA & R Type Starters For Light Duty Fleet Applications

| Make | Model                                   | MY Range |      | Engine | DENSO Part Number | GM OE    | AC Delco |
|------|---|----------|------|--------|-------------------|----------|----------|
|      |   | From     | To   |        |                   |          |          |
| GM   | G-Van (10, 20, 30, 1500, 2500)          | 2004     | 2013 | 4.8    | TN438000-0160     | 19180529 | 323-1662 |
|      |   |          |      |        |                   | 89017848 | 323-1641 |
| GM   | G-Van (G20, 30, 2500 & 3500)            | 2007     | 2012 | 6.0    | TN438000-0160     | 12563830 | 323-1661 |
|      |   |          |      |        |                   | 12563907 | 323-1661 |
|      |   |          |      |        |                   | 89017848 | 323-1641 |
| GM   | GM Truck (Silverado, Sierra & Suburban) | 2001     | 2008 | 4.8    | TN438000-0160     | 19180529 | 323-1662 |
|      |   |          |      |        |                   | 89017848 | 323-1641 |
| GM   | GM Truck (Silverado, Sierra & Suburban) | 2001     | 2012 | 6.0    | TN438000-0160     | 12563830 | 323-1661 |
|      |   |          |      |        |                   | 12563907 | 323-1661 |
|      |   |          |      |        |                   | 89017848 | 323-1641 |
| GM   | GM Trucks<br>GM Vans                    | 1994     | 2000 | 4.3    | 281-8002          | 75726450 |          |
|      |   |          |      | 5.7    |                   | 10465167 |          |
|      |   |          |      | 7.4    |                   | 10465554 |          |
|      |   |          |      | 8.1    |                   | 9000786  |          |
|      |   |          |      |        |                   | 9000860  |          |
|      | 9000899                                 |          |      |        |                   |          |          |



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