

# PowerPacks™

DD SERIES

SERIES 60®

MBE 4000



**DETROIT™**  
GENUINE PARTS

# DEMAND PERFORMANCE, DURABILITY & RELIABILITY

## DETROIT™ GENUINE PARTS: THE BEST CHOICE FOR REPLACEMENT FUEL INJECTORS

Unlike non-genuine replacement fuel injectors, which are rebuilt, every Detroit™ Genuine Parts fuel injector is completely remanufactured by Detroit. PowerPacks™ – a set of six Detroit Genuine Parts fuel injectors – include the latest design and engineering upgrades. One hundred percent of the components are inspected for optimum quality, tolerance and function.

### WHY CHOOSE DETROIT GENUINE PARTS FUEL INJECTORS?

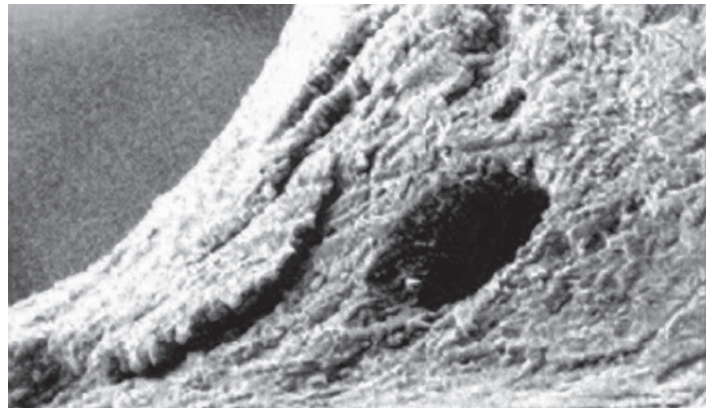
- Comprehensive field testing, combined with extensive lab testing at 115% of rated operating pressure, produce precise operation, efficiency and reliability
- Fuel flow rates and injector response time are tested to ensure maximum efficiency
- Fuel atomization and spray pattern are optimized for complete combustion
- Sealing surfaces are machined, lapped and thoroughly checked
- Injectors are calibrated, and calibration codes are laser-etched into the injector body to ensure balanced injector operation

### NO-HASSLE WARRANTY.

PowerPacks are backed by a 2-year/150,000-mile warranty when installed by an authorized Detroit™ service outlet — an even better value than our standard 1-year warranty on individual injectors.

### FUEL INJECTORS ARE MAINTENANCE ITEMS.

Like tires, brakes and belts, fuel injectors wear with normal use. Fuel injector performance is diminished due to wear and tear on moving parts and metal-to-metal sealing surfaces. Extreme heat and high combustion pressures also cause carbon buildup on injector tips, which degrades fuel atomization and spray pattern and decreases combustion efficiency. A set of PowerPacks replacement injectors improves fuel atomization and combustion efficiency for optimal engine performance.



*Microscopic image of a typical high-mileage injector tip shows carbon buildup*



## MAXIMIZE ENGINE POWER AND EFFICIENCY

### ENHANCE PERFORMANCE

A set of PowerPacks replacement fuel injectors gives your engine a smooth idle, responsive acceleration and potent pulling power, providing you with strong, reliable performance.

### OPTIMIZE FUEL ECONOMY

Diesel fuel is by far your largest operating cost. A set of PowerPacks replacement injectors produces optimal fuel atomization and complete combustion, squeezing more miles out of every gallon of fuel.

### REDUCE SMOKE

Maximum combustion efficiency decreases black smoke and particulates, resulting in cleaner emissions and longer service intervals for particulate filters and aftertreatment devices.

### DECREASE DOWNTIME

Since your engine's fuel injectors wear at roughly the same rate, installing a set of PowerPacks in a single service visit means you'll spend less time in the shop and more time on the road.

## POWERPACKS: ANYTHING LESS DOESN'T MAKE SENSE

Replacing fewer than six fuel injectors at one time is not smart business. Avoid downtime in the future by having PowerPacks installed today.

- Injectors wear at the same rate — if one needs replacing, the others are likely not far behind
- Your truck is already in our service bay — don't take it off the road again for the same service event
- Once your rocker cover is removed, all six injectors are immediately accessible — save the labor cost of replacing injectors individually
- PowerPacks fuel injector sets are priced at a discount compared to buying individual injectors — another way PowerPacks saves you money

## POWERPACKS PUT MORE PROFIT IN YOUR POCKET

Fuel is your biggest operating expense, so a small increase in fuel economy adds up to big savings over time. The chart below illustrates how improving fuel efficiency by as little as 0.2 mpg can keep more profit in your pocket.

TOTAL ANNUAL FUEL COST PER 100,000 MILES			
MPG	FUEL COST		
	\$3.00/GALLON	\$4.00/GALLON	\$5.00/GALLON
5.0	\$60,000.00	\$80,000.00	\$100,000.00
5.2	\$57,692.30	\$76,923.07	\$96,153.85
5.4	\$55,555.55	\$74,074.07	\$92,592.59
5.6	\$53,571.43	\$71,428.57	\$89,285.71
5.8	\$51,724.14	\$68,965.52	\$86,206.90
6.0	\$50,000.00	\$66,666.66	\$83,333.33
6.2	\$48,387.10	\$64,516.13	\$80,645.16
6.4	\$46,875.00	\$62,500.00	\$78,125.00
6.6	\$45,454.55	\$60,606.06	\$75,757.58
6.8	\$44,117.65	\$58,823.53	\$73,529.41
7.0	\$42,857.14	\$57,142.86	\$71,428.57

*NOTE: Because fuel efficiency is dependent on a number of factors — including speed, load, tire inflation pressure and driving style — Detroit cannot guarantee better fuel economy by installing PowerPacks. However, the optimal fuel atomization, proper injection timing and more complete combustion provided by PowerPacks can improve engine fuel efficiency and save you money.*



# DETROIT SUPPORT. ANYWHERE.

- SERVICE AT HUNDREDS OF DETROIT AUTHORIZED SERVICE LOCATIONS
- REPAIRS PERFORMED BY CERTIFIED TECHNICIANS
- UNMATCHED AVAILABILITY OF DETROIT GENUINE PARTS
- COVERAGE THROUGHOUT U.S. AND CANADA

