

Remanufactured Engines



| Engine Model | Fuel | Cylinders | Engine Overhaul Kit # | Engine Model | Fuel | Cylinders | Engine Overhaul Kit # |
|--------------|------|-----------|-----------------------|--------------|------|-----------|-----------------------|
|--------------|------|-----------|-----------------------|--------------|------|-----------|-----------------------|



Allis Chalmers

| | | | |
|------|-----|---|--------------|
| G153 | Gas | 4 | 06-G153-OVKL |
| G230 | Gas | 6 | 06-G230-OVKL |

Case

| | | | |
|------|--------|---|--------------------------|
| D188 | Diesel | 4 | Order Parts Individually |
| G188 | Gas | 4 | Order Parts Individually |
| D207 | Diesel | 4 | Order Parts Individually |



Continental

| | | | |
|-------|--------|---|--------------|
| F163 | Gas | 4 | 91-F163-OVK |
| F227 | Gas | 6 | 91-F227-OVK |
| F245 | Gas | 6 | 91-F245-OVK |
| G193 | Gas | 4 | 91-G193-OVK |
| TM27 | Gas | 4 | 91-TM27-OVK |
| TMD27 | Diesel | 4 | 91-TMD27-OVK |
| Y112 | Gas | 4 | 91-Y112-OVK |



Caterpillar

| | | | |
|------|--------|---|--------------------------|
| 1404 | Gas | 4 | 09-1404-OVK |
| 3208 | Diesel | 8 | Order Parts Individually |



Ford

| | | | |
|------|--------|---|--------------------------|
| 1.6 | Gas | 4 | Order Parts Individually |
| 172D | Diesel | 4 | 08-172D-OVK |
| 172 | Gas | 4 | 08-172-OVK |
| 192 | Gas | 4 | 08-192-OVK |
| 300 | Gas | 6 | Order Parts Individually |



Chrysler

| | | | |
|--------|-----|---|---------------|
| 318 | Gas | 8 | 26-318-OVK |
| H225 | Gas | 6 | 26-H225-OVK |
| H239 | Gas | 6 | 26-H239-OVK |
| IND-30 | Gas | 6 | 26-IND-30-OVK |

Toll Free USA & Canada: 800-321-9983, Mexico: 001-800-561-1897 Fax: 330/342-3895 www.joseph.com

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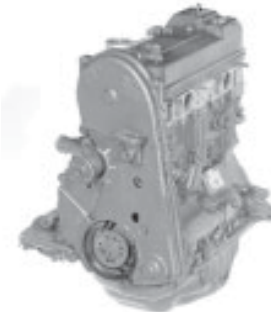
| GMC | | | |
|----------|-----|---|--------------------------|
| 153 | Gas | 4 | 188-153-OVK |
| 181 | Gas | 4 | 188-181-OVK |
| 250 | Gas | 6 | Order Parts Individually |
| 305 | Gas | 6 | Order Parts Individually |
| 350 | Gas | 8 | Order Parts Individually |
| 2.2L | Gas | 4 | Order Parts Individually |
| 4.3L | Gas | 6 | 188-4.3LB-OVK |
| Balanced | | | |



| Mazda | | | |
|-------|--------|---|-------------|
| D5 | Gas | 4 | 320-D5-OVK |
| F2 | Gas | 4 | 320-F2-OVK |
| FE | Gas | 4 | 320-FE-OVK |
| HA | Diesel | 4 | 320-HA-OVKL |
| UA | Gas | 4 | 320-UA-OVKL |
| VA | Gas | 4 | 320-VA-OVKL |
| XA | Diesel | 4 | 320-XA-OVKL |
| ZB | Diesel | 6 | 320-ZB-OVKL |



| Hercules | | | |
|----------|-----|---|---------------|
| G1600 | Gas | 4 | 230-G1600-OVK |



| Mitsubishi | | | |
|------------|--------|---|-------------|
| 4G32 | Gas | 4 | 4-4G32-OVK |
| 4G33 | Gas | 4 | 4-4G33-OVK |
| 4G52 | Gas | 4 | 4-4G52-OVK |
| 4G54 | Gas | 4 | 4-4G54B-OVK |
| 4G63 | Gas | 4 | 4-4G63B-OVK |
| 4G64 | Gas | 4 | 4-4G64B-OVK |
| 6G72 | Gas | 6 | 4-6G72-OVK |
| S6E | Diesel | 6 | 4-S6E-OVK |



| Isuzu | | | |
|-------|--------|---|---------------|
| C240 | Diesel | 4 | 130-C240-OVKL |

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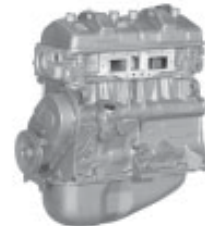
Nissan

| | | | |
|---------|--------|---|----------------------------|
| A15 | Gas | 4 | 2-A15-OVK |
| D11 | Gas | 4 | 2-D11-OVK |
| FD6 | Diesel | 6 | 2-FD6-OVK |
| H20 | Gas | 4 | 2-H20-OVK |
| H20-II | Gas | 4 | 2-H20-II-OVK |
| H20-IIK | Gas | 4 | 2-H20-IIK-OVK |
| H25 | Gas | 4 | 2-H25-OVK |
| H30 | Gas | 6 | 2-H30-OVK |
| J15 | Gas | 4 | 2-J15-OVK |
| P40 | Gas | 6 | 2-P40-OVK |
| PPU240 | Gas | 6 | 2-PPU240-OVK |
| SD22 | Diesel | 4 | 2-SD22-OVK |
| SD22 | Diesel | 4 | 2-SD22-OVKL with liners |
| SD25 | Diesel | 4 | 2-SD25-OVKL with liners |
| SD33 | Diesel | 6 | 2-SD33-OVK |
| SD33 | Diesel | 6 | 2-SD33-OVKL with liners |
| SD33T | Diesel | 6 | 2-SD33-OVK |
| SD33T | Diesel | 6 | 2-SD33-OVKL with liners |
| TB42 | Gas | 6 | 2-TB42-OVK |
| TD42 | Diesel | 6 | 2-TD42-OVKL with liners |
| Z24 | Gas | 4 | 2-Z24-OVK |



Perkins

| | | | |
|----------|--------|---|-----------------------|
| 1004 | Diesel | 4 | Build Number Required |
| 1004.4 | Diesel | 4 | Build Number Required |
| 1006 | Diesel | 6 | Build Number Required |
| 1006.6 | Diesel | 6 | Build Number Required |
| 4.108 | Diesel | 4 | Build Number Required |
| 4.154 | Diesel | 4 | Build Number Required |
| 4.203 | Diesel | 4 | Build Number Required |
| 4.203.2 | Diesel | 4 | Build Number Required |
| 4.236 | Diesel | 4 | Build Number Required |
| 4.248 | Diesel | 4 | Build Number Required |
| 4.248.2 | Diesel | 4 | Build Number Required |
| 6.354 | Diesel | 6 | Build Number Required |
| 6.354.4 | Diesel | 6 | Build Number Required |
| D3.152 | Diesel | 3 | Build Number Required |
| G4.203 | Gas | 4 | Build Number Required |
| G4.236 | Gas | 4 | Build Number Required |
| T6.354.4 | Diesel | 6 | Build Number Required |



Peugeot

| | | | |
|------|--------|---|------------------------------|
| XD3P | Diesel | 4 | 202-XD3P-OVK |
| XN1P | Gas | 4 | 202-XN1P-OVKL with liners |

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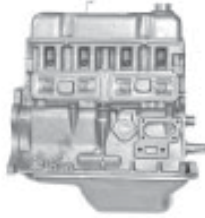
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Toyota

| | | | |
|-------------|--------|---|--------------------------|
| 1DZ | Diesel | 6 | Order Parts Individually |
| 1Z | Diesel | 4 | Order Parts Individually |
| 2F | Gas | 6 | 1-2F-OVK |
| 2H | Diesel | 6 | 1-2H-OVK |
| 2J w/liners | Diesel | 4 | 1-2J-OVKL |
| 2R | Gas | 4 | 1-2R-OVK |
| 3F | Gas | 6 | 1-3F-OVK |
| 3P | Gas | 4 | 1-3P-OVK |
| 4P | Gas | 4 | 1-4P-OVK |
| 4Y | Gas | 4 | 1-4Y-OVK |
| 5K | Gas | 4 | 1-5K-OVK |
| 5P | Gas | 4 | 1-5P-OVK |
| 5R (Early) | Gas | 4 | 1-5R-E-OVK |
| 5R (Mid) | Gas | 4 | 1-5R-M-OVK |
| 5R (Late) | Gas | 4 | 1-5R-L-OVK |
| F | Gas | 6 | 1-F-OVK |
| H w/liners | Diesel | 6 | 1-H-OVKL |



Waukesha

| | | | |
|--------|--------|---|--------------------------|
| 1CK | Gas | 4 | Order Parts Individually |
| D155GD | Diesel | 4 | Order Parts Individually |
| D155G | Gas | 4 | 107-D155G-OVKL |
| D176GA | Gas | 4 | Order Parts Individually |
| D176G | Gas | 4 | 107-D176G-OVKL |
| FC | Gas | 4 | Order Parts Individually |

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What is a Long Block Reman Engine??

A long block consists of the following parts:

| | |
|------------------------------|---------------|
| Oil pump | Oil pan |
| Crankshaft | Cam shaft |
| Connecting rods | Cylinder head |
| Valve cover | Gasket set |
| Pistons/Piston Rings | Front cover |
| Main bearings / Rod bearings | |
| Intake / Exhaust Valves | |
| Engine cylinder block | |

Items not included with a long block engine

| | | |
|-------------|--------------|------------|
| Starter | Alternator | Flywheel |
| Manifold | Motor mounts | Belts |
| Water pump | Distributor | Carburetor |
| Spark plugs | | |

What is a Long Block Reman Diesel Engine??

A long block consists of the following parts:

| | |
|------------------------------|---------------|
| Oil pump | Oil pan |
| Crankshaft | Cam shaft |
| Connecting rods | Cylinder head |
| Valve cover | Gasket set |
| Pistons/Piston Rings | Front cover |
| Thermostat | Fuel System |
| Main bearings / Rod bearings | |
| Intake / Exhaust Valves | Water Pump |
| Engine cylinder block | |

Items not included with a long block engine

| | |
|--------------|------------|
| Starter | Alternator |
| Flywheel | Manifold |
| Motor mounts | Belts |



Identification Tag

Each Joseph Industries Remanufactured Engine will have an engine identification tag attached to the side of the engine block.

JOSEPH
INDUSTRIES, INC.

MANUFACTURER

MODEL #

● SPEC # ●

MAIN SIZE ROD SIZE

BORE SIZE JOB #

DATE INSTALLED

STREETSBORO OHIO 1-800-321-9983

WARNING TAGS

Each Joseph Industries Remanufactured Engine will ship to the customer with the following warning attached to the engine.

CAUTION

BEFORE STARTING

OIL PRESSURE SHOULD BE BUILT UP BEFORE STARTING ENGINE. WE RECOMMEND CRANKING THE ENGINE WITHOUT SPARK PLUGS UNTIL THE OIL LIGHT IS OUT OR THE GAUGE REGISTERS. THIS WILL HELP INSURE A LONG BEARING LIFE.

“BREAK-IN INSTRUCTIONS”

- 1 NEVER ALLOW AN ENGINE TO IDLE FOR A PROLONGED TIME. LIMIT IDLE TIME TO FIVE MINUTES OR LESS WITHIN THE FIRST THREE HOURS OF OPERATION FOLLOWING INSTALLATION OF NEW CYLINDER COMPONENTS.
- 2 OPERATE ENGINE IN THE NORMAL RPM RANGE AT APPROXIMATELY 75% LOAD FOR THE FIRST TWO OR THREE HOURS.
- 3 LIMIT PERIODS OF FULL LOAD OR FULL RATED SPEED OPERATION DURING THE BREAK-IN PERIOD TO SHORT INTERVALS OF TWO OR THREE MINUTES.
- 4 BEFORE SHUT DOWN, ALLOW ENGINE OPERATING TEMPERATURE TO COOL DOWN AND STABILIZE BY OPERATING AT LIGHT OR NO LOAD FOR NO MORE THAN FIVE MINUTES.

CAUTION

TORQUE CYLINDER HEAD BOLTS TO PROPER SPEC & SEQUENCE, RETORQUE AT ENGINE OPERATING TEMP.



HEAT TABS

Each engine remanufactured by Joseph Industries will have a heat tab installed on the cylinder head.

The center of the heat tab will melt at 250 degrees F. If the heat tab has been removed or
the center of the heat tab has melted the engine warranty is void.

