



Engine Rebuilding Kits



Part Number	Description
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Kalmar-Allis Chalmers	
G153-OVKL	OVERHAUL KIT W/LINERS
G230-OVKL	OVERHAUL KIT W/LINERS

Part Number	Description
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Caterpillar	
1404-OVK	OVERHAUL KIT

Part Number	Description
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Chrysler	
H225-OVK	OVERHAUL KIT
H225-OVKOP	OVERHAUL KIT W/OIL PUMP
IND-30-OVK	OVERHAUL KIT

Part Number	Description
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Continental	
F163-OVK	OVERHAUL KIT
F163-OVKOP	OVERHAUL KIT W/OIL PUMP
F227-OVK	OVERHAUL KIT
F227-OVKOP	OVERHAUL KIT W/OIL PUMP
F245-OVK	OVERHAUL KIT
F245-OVKOP	OVERHAUL KIT W/OIL PUMP
TM27-OVK	OVERHAUL KIT
TMD27-OVK	OVERHAUL KIT
TMD27-OVKOP	OVERHAUL KIT W/OIL PUMP
Y112-OVK	OVERHAUL KIT
Y112-OVKOP	OVERHAUL KIT W/OIL PUMP

Part Number	Description
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Ford	
172D-OVK	OVERHAUL KIT
172D-OVKOP	OVERHAUL KIT W/OIL PUMP
172-OVK	OVERHAUL KIT
172-OVKOP	OVERHAUL KIT W/OIL PUMP
192-OVK	OVERHAUL KIT
192-OVKOP	OVERHAUL KIT W/ OIL PUMP

Part Number	Description
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General Motors	
153-OVK	OVERHAUL KIT
153-OVKOP	OVERHAUL KIT W/OIL PUMP
181-OVK	OVERHAUL KIT
181-OVKOP	OVERHAUL KIT W/OIL PUMP
4.3LB-OVK	OVERHAUL KIT
4.3LB-OVKOP	OVERHAUL KIT W/OIL PUMP
4.3L-OVK	OVERHAUL KIT
4.3L-OVKOP	OVERHAUL KIT W/OIL PUMP

Part Number	Description
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Isuzu	
4BB1-OVKL	OVERHAUL KIT W/LINERS
4BC2-OVKL	OVERHAUL KIT W/LINERS
4BD1-OVKL	OVERHAUL KIT W/LINERS
4BD1T-OVKL	OVERHAUL KIT W/LINERS
4BD2TC-OVKL	OVERHAUL KIT W/LINERS
4JB1-OVKL	OVERHAUL KIT W/LINERS
6BB1-OVKL	OVERHAUL KIT W/LINERS
6BD1-OVKL	OVERHAUL KIT W/LINERS
6BD1T-OVKL	OVERHAUL KIT W/LINERS
6BG1-OVKL	OVERHAUL KIT W/LINERS
C240-OVKL	OVERHAUL KIT W/LINERS
C240-OVKLOP	O/HAUL KIT W/LINERS & OIL PUMP

Part Number	Description
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Mazda	
D5-OVK	OVERHAUL KIT
F2-OVK	OVERHAUL KIT
F2-OVKOP	OVERHAUL KIT W/PUMP
FE-OVK	OVERHAUL KIT
FE-OVKOP	OVERHAUL KIT W/PUMP
UA-OVKL	OVERHAUL KIT W/LINERS
UA-OVKLOP	O/HAUL KIT W/LINERS & OIL PUMP
VA-OVKL	OVERHAUL KIT W/LINERS
VA-OVKLOP	O/HAUL KIT W/LINERS & OIL PUMP

Part Number	Description
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Mitsubishi	
4G32-OVK	OVERHAUL KIT
4G32-OVKOPK	OVERHAUL KIT W/OIL PUMP KIT
4G33-OVK	OVERHAUL KIT
4G33-OVKOPK	OVERHAUL KIT W/OIL PUMP KIT
4G52-OVK	OVERHAUL KIT
4G52-OVKOP	OVERHAUL KIT W/OIL PUMP
4G54B-OVK	OVERHAUL KIT
4G54B-OVKOP	OVERHAUL KIT W/OIL PUMP
4G54-OVK	OVERHAUL KIT
4G54-OVKOP	OVERHAUL KIT W/OIL PUMP
4G63B-OVK	OVERHAUL KIT
4G63-OVK	OVERHAUL KIT
4G64B-OVK	OVERHAUL KIT
4G64-OVK	OVERHAUL KIT
6G72-OVK	OVERHAUL KIT

Part Number	Description
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Nissan	
A12-OVK	OVERHAUL KIT
A15-OVK	OVERHAUL KIT
A15-OVKOP	OVERHAUL KIT W/OIL PUMP
D11-OVK	OVERHAUL KIT

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

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Engine Rebuilding Kits

Part Number	Description
Nissan continued	
D11-OVKOP	OVERHAUL KIT W/OIL PUMP
H20-IIK-OVK	OVERHAUL KIT
H20-IIK-OVKOP	OVERHAUL KIT W/OIL PUMP
H20-II-OVK	OVERHAUL KIT
H20-II-OVKOP	OVERHAUL KIT W/OIL PUMP
H20-OVK	OVERHAUL KIT
H20-OVKOP	OVERHAUL KIT W/OIL PUMP
H25-OVK	OVERHAUL KIT
H25-OVKOP	OVERHAUL KIT W/OIL PUMP
H30-OVK	OVERHAUL KIT
H30-OVKOP	OVERHAUL KIT W/OIL PUMP
J15-OVK	OVERHAUL KIT
J15-OVKOP	OVERHAUL KIT W/OIL PUMP
P40-OVK	OVERHAUL KIT
P40-OVKOP	OVERHAUL KIT W/OIL PUMP
PPU240-OVK	OVERHAUL KIT
PPU240-OVKOP	OVERHAUL KIT W/OIL PUMP
SD22-OVK	OVERHAUL KIT
SD22-OVKL	OVERHAUL KIT W/LINERS
SD22-OVKLOP	OVERHAUL KIT W/LINERS & OIL PUMP
SD22-OVKOP	OVERHAUL KIT W/OIL PUMP
SD25-OVK	OVERHAUL KIT
SD25-OVKL	OVERHAUL KIT W/LINERS
SD25-OVKLOP	OVERHAUL KIT W/LINERS & OIL PUMP
SD33-OVK	OVERHAUL KIT
SD33-OVKL	OVERHAUL KIT W/LINERS
SD33-OVKLOP	OVERHAUL KIT W/LINERS & OIL PUMP
SD33-OVKOP	OVERHAUL KIT W/OIL PUMP
Z24-OVK	OVERHAUL KIT
Z24-OVKOP	OVERHAUL KIT W/OIL PUMP

Perkins

Genuine Perkins and Aftermarket Perkins Overhaul Kits are available. Call for Overhaul Kit information.
Build List Required.

Part Number	Description
Peugeot	
XD3P-OVK	OVERHAUL KIT
XN1P-OVKL	OVERHAUL KIT W/LINERS
XN1P-OVKLOP	OVERHAUL KIT W/LINERS & OIL PUMP
Toyota	
2F-OVK	OVERHAUL KIT
2F-OVKOP	OVERHAUL KIT W/OIL PUMP
2J-OVKL	OVERHAUL KIT W/LINERS
2R-OVK	OVERHAUL KIT
2R-OVKOP	OVERHAUL KIT W/OIL PUMP
3P-OVK	OVERHAUL KIT
3P-OVKOP	OVERHAUL KIT W/OIL PUMP
4P-OVK	OVERHAUL KIT
4P-OVKOP	OVERHAUL KIT W/OIL PUMP
4Y-OVK	OVERHAUL KIT
4Y-OVKOP	OVERHAUL KIT W/OIL PUMP
5P-OVK	OVERHAUL KIT
5R-E-OVK	OVERHAUL KIT - EARLY
5R-E-OVKOP	OVERHAUL KIT - EARLY W/OIL PUMP
5R-L-OVK	OVERHAUL KIT - LATE
5R-L-OVKOP	OVERHAUL KIT - LATE W/OIL PUMP
5R-M-OVK	OVERHAUL KIT - MID
5R-M-OVKOP	OVERHAUL KIT - MID W/OIL PUMP
F-OVK	OVERHAUL KIT
F-OVKOP	OVERHAUL KIT W/OIL PUMP
Waukesha	
D155G-OVKL	OVERHAUL KIT W/LINERS
D176G-OVKL	OVERHAUL KIT W/LINERS

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ALLIS CHALMERS ENGINE OVERHAUL KIT WITH LINERS 06-G153-OVKL

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTON, RINGS, LINER) 06-G153-LK

MAIN BEARINGS

STD	06-G153-MBS
.10	06-G153-MBS.10
.20	06-G153-MBS.20
.30	06-G153-MBS.30
.40	06-G153-MBS.40

ROD BEARINGS

STD	06-G153-RBS
.10	06-G153-RBS.10
.20	06-G153-RBS.20
.30	06-G153-RBS.30
.40	06-G153-RBS.40

PIN BUSHINGS	06-G153-PB
O/HAUL GASKET SET	06-G153-GA

CAM BEARINGS	06-G153-CBS
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ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	06-G153-IV
EXHAUST VALVE	06-G153-EV
INTAKE GUIDE	06-G153-IVG
EXHAUST GUIDE	06-G153-EVG
VALVE SPRING	06-G153-VS

MISCELLANEOUS

LIFTERS	06-G153-LIFT
REMAN CYLINDER HEAD	06-G153-HEAD-R

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ALLIS CHALMERS ENGINE OVERHAUL KIT WITH LINERS 06-G230-OVKL

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTON, RINGS, LINER) 06-G230-LK

MAIN BEARINGS

STD	06-G230-MBS
.10	06-G230-MBS.10
.20	06-G230-MBS.20
.30	06-G230-MBS.30
.40	06-G230-MBS.40

ROD BEARINGS

STD	06-G230-RBS
.10	06-G230-RBS.10
.20	06-G230-RBS.20
.30	06-G230-RBS.30
.40	CALL

PIN BUSHINGS	06-G230-PB
O/HAUL GASKET SET	06-G230-GA

CAM BEARINGS	06-G230-CBS
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**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	06-G230-IV
EXHAUST VALVE	06-G230-EV
INTAKE GUIDE	06-G230-IVG
EXHAUST GUIDE	06-G230-EVG
VALVE SPRING	06-G230-VS

MISCELLANEOUS

LIFTERS	06-G230-LIFT
REMAN CYLINDER HEAD	06-G230-HEAD-R

CATERPILLAR ENGINE OVERHAUL KIT 09-1404-OVK

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	09-1404-PIS
.20	09-1404-PIS.20
.30	09-1404-PIS.30
.40	09-1404-PIS.40

RING SET

STD	09-1404-RS
.20	09-1404-RS.20
.30	09-1404-RS.30
.40	09-1404-RS.40

MAIN BEARINGS

STD	09-1404-MBS
.10	09-1404-MBS.10
.20	09-1404-MBS.20
.30	09-1404-MBS.30

ROD BEARINGS

STD	09-1404-RBS
.10	09-1404-RBS.10
.20	09-1404-RBS.20
.30	09-1404-RBS.30

PIN BUSHINGS	09-1404-PB
O/HAUL GASKET SET	09-1404-GA

CAM BEARINGS	09-1404-CBS
FREEZE PLUGS	09-1404-FPK

ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	09-1404-IV
EXHAUST VALVE	09-1404-EV
INTAKE GUIDE	09-1404-IVG
EXHAUST GUIDE	09-1404-EVG

MISCELLANEOUS

TWO POSSIBLE SIZES ON VALVE GUIDES

.439 OD & .502 OD

** Specify make of truck when ordering parts



CHRYSLER ENGINE OVERHAUL KIT WITH OIL PUMP 26-H225-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	26-H225-PIS
.10	26-H225-PIS.10
.20	26-H225-PIS.20
.30	26-H225-PIS.30
.40	26-H225-PIS.40
.60	26-H225-PIS.60

MAIN BEARINGS

(WITH CAST CRANKSHAFT)	
STD	26-H225-MBS
.10	26-H225-MBS.10
.20	26-H225-MBS.20
.30	26-H225-MBS.30
.40	26-H225-MBS.40
.60	26-H225-MBS.60

MAIN BEARINGS

(WITH FORGED CRANKSHAFT)	
STD	26-H225-MBSFC
.10	26-H225-MBSFC.10
.20	26-H225-MBSFC.20
.30	26-H225-MBSFC.30
.40	26-H225-MBSFC.40
.60	26-H225-MBSFC.60

RING SET

STD	26-H225-RS
.10	26-H225-RS.10
.20	26-H225-RS.20
.30	26-H225-RS.30
.40	26-H225-RS.40
.60	26-H225-RS.60

ROD BEARINGS

(WITH CAST CRANKSHAFT)	
STD	26-H225-RBS
.10	26-H225-RBS.10
.20	26-H225-RBS.20
.30	26-H225-RBS.30
.40	26-H225-RBS.40
.60	26-H225-RBS.60

ROD BEARINGS

(WITH FORGED CRANKSHAFT)	
STD	26-H225-RBSFC
.10	26-H225-RBSFC.10
.20	26-H225-RBSFC.20
.30	26-H225-RBSFC.30
.40	26-H225-RBSFC.40
.60	26-H225-RBSFC.60

PIN BUSHINGS

26-H225-PB

CAM BEARINGS

26-H225-CBS

O/HAUL GASKET SET

26-H225-GA

OIL PUMP

26-H225-OP

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	26-H225-IV
INTAKE GUIDE	26-H225-IVG
EXHAUST GUIDE	26-H225-EVG
VALVE SPRING	26-H225-VS
EXHAUST VALVE 2-GROOVE STEM	26-H225-EV
EXHASUT VALVE 4-GROOVE STEM	26-H225-EV.4G

MISCELLANEOUS

LIFTERS	26-H225-LIFT
REMAN CYLINDER HEAD	26-H225-HEAD-R
CRANKSHAFT KIT	26-H225-CRKIT

CHRYSLER ENGINE OVERHAUL KIT 26-IND-30-OVK

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	26-IND-30-PIS
.10	26-IND-30-PIS.10
.20	26-IND-30-PIS.20
.30	26-IND-30-PIS.30
.40	26-IND-30-PIS.40
.60	26-IND-30-PIS.60

MAIN BEARINGS

STD	26-IND-30-MBS
.10	26-IND-30-MBS.10
.20	26-IND-30-MBS.20
.30	26-IND-30-MBS.30
.40	26-IND-30-MBS.40
.60	26-IND-30-MBS.60

RING SET

STD	26-IND-30-RS
.10	26-IND-30-RS.10
.20	26-IND-30-RS.20
.30	26-IND-30-RS.30
.40	26-IND-30-RS.40
.60	26-IND-30-RS.60

ROD BEARINGS

STD	26-IND-30-RBS
.10	26-IND-30-RBS.10
.20	26-IND-30-RBS.20
.30	26-IND-30-RBS.30
.40	26-IND-30-RBS.40
.60	26-IND-30-RBS.60

PIN BUSHINGS 26-IND-30-PB

CAM BEARINGS 26-IND-30-CBS

O/HAUL GASKET SET 26-IND-30-GA

ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	26-IND-30-IV
INTAKE GUIDE	26-IND-30-IVG
EXHAUST GUIDE	26-IND-30-EVG
VALVE SPRING	26-IND-30-VS
EXHAUST VALVE	26-IND-30-EV

MISCELLANEOUS

LIFTERS 26-IND-30-LIFT



CONTINENTAL ENGINE OVERHAUL KIT WITH OIL PUMP 91-F163-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW:

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT
(PISTONS, RING SET, FRONT GASKET SET, OIL PUMP, MAIN & ROD BEARINGS)

PISTONS

STD 91-F163-PIS
.20 91-F163-PIS.20
.30 91-F163-PIS.30
.40 91-F163-PIS.40
.60 91-F163-PIS.60

RING SET

STD 91-F163-RS
.20 91-F163-RS.20
.30 91-F163-RS.30
.40 91-F163-RS.40
.60 91-F163-RS.60

MAIN BEARINGS

STD 91-F163-MBS
.10 91-F163-MBS.10
.20 91-F163-MBS.20
.30 91-F163-MBS.30

ROD BEARINGS – ONE WAY

STD 91-F163-RBS
.10 91-F163-RBS.10
.20 91-F163-RBS.20
.30 91-F163-RBS.30
.60 91-F163-RBS.60

FRONT GASKET SET

BAKER 91-F163-FGA.BK
CATERPILLAR 91-F163-FGA.CT
CLARK 91-F163-FGA.CL
HYSTER 91-F163-FGA.HY
UNIVERSAL 91-F163-FGA

ROD BEARINGS – STAGGERED

STD 91-F163-RBSS
.10 91-F163-RBSS.10
.20 91-F163-RBSS.20
.30 91-F163-RBSS.30
.60 91-F163-RBSS.60

OIL PUMP

STEEL GEAR 91-F163-OP
CAST GEAR 91-F163-OP.CG

CAM BEARINGS

91-F163-CBS

FREEZE PLUG KIT

91-F163-FPK

PIN BUSHINGS

91-F163-PB

TOP GASKET SET

91-F163-TGA

BOTTOM GASKET SET

91-F163-BGA

ALL ITEMS LISTED CAN BE ORDERED SEPARATELY

OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

** SPECIFY OEM BEFORE ORDERING

CYLINDER HEAD PARTS

INTAKE GUIDE 91-F163-IVG
EXHAUST GUIDE 91-F163-EVG
VALVE SPRING 91-F163-VS
EXHAUST VALVE 91-F163-EV
INTAKE VALVE 91-F163-IV

MISCELLANEOUS

LIFTERS 91-F163-LIFT
OIL PUMP REPAIR KIT 91-F163-OPK
CYLINDER LINER 91-F163-CLS
CRANKSHAFT KIT 91-F163-CRKIT
REMAN CYLINDER HEAD 91-F163-HEAD-R

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CONTINENTAL ENGINE OVERHAUL KIT WITH OIL PUMP 91-F227-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW:

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

(PISTONS, RING SET, FRONT GASKET SET, OIL PUMP, MAIN & ROD BEARINGS)

PISTONS

STD 91-F227-PIS
.20 91-F227-PIS.20
.30 91-F227-PIS.30
.40 91-F227-PIS.40
.60 91-F227-PIS.60

ROD BEARINGS – ONE WAY

STD 91-F227-MBS
.10 91-F227-MBS.10
.20 91-F227-MBS.20
.30 91-F227-MBS.30
.40 91-F227-MBS.40
.60 91-F227-MBS.60

FRONT GASKET SET

BAKER 91-F227-FGA.BK
CATERPILLAR 91-F227-FGA.CT
CLARK 91-F227-FGA.CL
CLARK – 5 GEAR 91-F227-FGACL5G
UNIVERSAL 91-F227-FGA

OIL PUMP

STEEL GEAR 91-F227-OP
CAST GEAR 91-F227-OP.CG

RING SET

STD 91-F227-RS
.20 91-F227-RS.20
.30 91-F227-RS.30
.40 91-F227-RS.40
.60 91-F227-RS.60

MAIN BEARINGS

STD 91-F227-RBS
.10 91-F227-RBS.10
.20 91-F227-RBS.20
.30 91-F227-RBS.30
.40 91-F227-RBS.40
.60 91-F227-RBS.60

ROD BEARINGS – STAGGERED

STD 91-F227-RBSS
.10 91-F227-RBSS.10
.20 91-F227-RBSS.20
.30 91-F227-RBSS.30
.40 91-F227-RBSS.40
.60 91-F227-RBSS.60

CAM BEARINGS	91-F227-CBS
FREEZE PLUG KIT	91-F227-FPK
PIN BUSHINGS	91-F227-PB
TOP GASKET SET	91-F227-TGA
BOTTOM GASKET SET	91-F227-BGA

ALL ITEMS LISTED CAN BE ORDERED SEPARATELY

OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

**** SPECIFY OEM BEFORE ORDERING**

CYLINDER HEAD PARTS

INTAKE GUIDE 91-F227-IVG
EXHAUST GUIDE 91-F227-EVG
VALVE SPRING 91-F227-VS
EXHAUST VALVE 91-F227-EV
INTAKE VALVE 91-F227-IV

MISCELLANEOUS

LIFTERS 91-F227-LIFT
OIL PUMP REPAIR KIT 91-F227-OPK
CYLINDER LINER 91-F227-CLS
CRANKSHAFT KIT 91-F227-CRKIT
REMAN CYLINDER HEAD 91-F227-HEAD-R

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CONTINENTAL ENGINE OVERHAUL KIT WITH OIL PUMP 91-F245-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW:

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

(PISTONS, RING SET, FRONT GASKET SET, OIL PUMP, MAIN & ROD BEARINGS)

PISTONS

STD	91-F245-PIS
.20	91-F245-PIS.20
.30	91-F245-PIS.30
.40	91-F245-PIS.40
.60	91-F245-PIS.60

RING SET

STD	91-F245-RS
.20	91-F245-RS.20
.30	91-F245-RS.30
.40	91-F245-RS.40
.60	91-F245-RS.60

MAIN BEARINGS

STD	91-F245-MBS
.10	91-F245-MBS.10
.20	91-F245-MBS.20
.30	91-F245-MBS.30
.40	91-F245-MBS.40
.60	91-F245-MBS.60

ROD BEARINGS – ONE WAY

STD	91-F245-RBS
.10	91-F245-RBS.10
.20	91-F245-RBS.20
.30	91-F245-RBS.30
.40	91-F245-RBS.40
.60	91-F245-RBS.60

FRONT GASKET SET

CATERPILLAR	91-F245-FGA.CT
CLARK	91-F245-FGA.CL
HYSTER	91-F245-FGA.HY
UNIVERSAL	91-F245-FGA

ROD BEARINGS – STAGGERED

STD	91-F245-RBSS
.10	91-F245-RBSS.10
.20	91-F245-RBSS.20
.30	91-F245-RBSS.30
.40	91-F245-RBSS.40
.60	91-F245-RBSS.60

OIL PUMP

STEEL GEAR	91-F245-OP
CAST GEAR	91-F245-OP.CG

CAM BEARINGS	91-F245-CBS
FREEZE PLUG KIT	91-F245-FPK
PIN BUSHINGS	91-F245-PB
TOP GASKET SET	91-F245-TGA
BOTTOM GASKET SET	91-F245-BGA

ALL ITEMS LISTED CAN BE ORDERED SEPARATELY

OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

** SPECIFY OEM BEFORE ORDERING

CYLINDER HEAD PARTS

INTAKE GUIDE	91-F245-IVG
EXHAUST GUIDE	91-F245-EVG
VALVE SPRING	91-F245-VS
EXHAUST VALVE	91-F245-EV
INTAKE VALVE	91-F245-IV

MISCELLANEOUS

LIFTERS	91-F245-LIFT
OIL PUMP REPAIR KIT	91-F245-OPK
CYLINDER LINER	91-F245-CLS
CRANKSHAFT KIT	91-F245-CRKIT
REMAN CYLINDER HEAD	91-F245-HEAD-R

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CONTINENTAL ENGINE OVERHAUL KIT WITH OIL PUMP 91-TM27-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW:

SELECT COMPONENT SIZES (PISTONS, RING SET, MAIN & ROD BEARINGS) REQUIRED FOR YOUR KIT

PISTONS

STD	91-TM27-PIS
.50	91-TM27-PIS.50
.75	91-TM27-PIS.75
1.00	91-TM27-PIS1.00

RING SET

STD	91-TM27-RS
.50	91-TM27-RS.50
.75	91-TM27-RS.75
1.00	91-TM27-RS1.00

MAIN BEARINGS

STD	91-TM27-MBS
.25	91-TM27-MBS.25
.50	91-TM27-MBS.50
.75	91-TM27-MBS.75
1.00	91-TM27-MBS1.00

ROD BEARINGS

STD	91-TM27-RBS
.25	91-TM27-RBS.25
.50	91-TM27-RBS.50
.75	91-TM27-RBS.75
1.00	91-TM27-RBS1.00

OIL PUMP	91-TM27-OP
PIN BUSHINGS	91-TM27-PB
TOP GASKET SET	91-TM27-TGA
BOTTOM GASKET SET	91-TM27-BGA
FRONT GASKET SET	91-TM27-FGA

ALL ITEMS LISTED CAN BE ORDERED SEPARATELY
OR
CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE GUIDE	91-TM27-IVG
EXHAUST GUIDE	91-TM27-EVG
VALVE SPRING	91-TM27-VS
EXHAUST VALVE	91-TM27-EV

MISCELLANEOUS

LIFTERS	91-TM27-LIFT
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CONTINENTAL ENGINE OVERHAUL KIT 91-TMD27-OVK

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW:

SELECT COMPONENT SIZES (PISTONS, RING SET, MAIN & ROD BEARINGS) REQUIRED FOR YOUR KIT

PISTONS

STD 91-TMD27-PIS
.50 91-TMD27-PIS.50
.75 91-TMD27-PIS.75
1.00 91-TMD27-PIS100

RING SET

STD 91-TMD27-RS
.50 91-TMD27-RS.50
.75 91-TMD27-RS.75
1.00 91-TMD27-RS1.00

MAIN BEARINGS

STD 91-TMD27-MBS
.25 91-TMD27-MBS.25
.50 91-TMD27-MBS.50
.75 91-TMD27-MBS.75
1.00 91-TMD27-MBS100

ROD BEARINGS

STD 91-TMD27-RBS
.25 91-TMD27-RBS.25
.50 91-TMD27-RBS.50
.75 91-TMD27-RBS.75
1.00 91-TMD27-RBS100

PIN BUSHINGS 91-TMD27-PB

TOP GASKET SET 91-TMD27-TGA

BOTTOM GASKET SET 91-TMD27-BGA

FRONT GASKET SET 91-TMD27-FGA

ALL ITEMS LISTED CAN BE ORDERED SEPARATELY
OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE GUIDE 91-TMD27-IVG
EXHAUST GUIDE 91-TMD27-EVG
VALVE SPRING 91-TMD27-VS
EXHAUST VALVE 91-TMD27-EV
INTAKE VALVE 91-TMD27-IV

MISCELLANEOUS

LIFTERS 91-TMD27-LIFT

CONTINENTAL ENGINE OVERHAUL KIT WITH OIL PUMP 91-Y112-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW:

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT
(PISTONS, RING SET, FRONT GASKET SET, OIL PUMP, MAIN & ROD BEARINGS)

PISTONS

STD 91-Y112-PIS
.20 91-Y112-PIS.20
.30 91-Y112-PIS.30
.40 91-Y112-PIS.40
.60 91-Y112-PIS.60

RING SET

STD 91-Y112-RS
.20 91-Y112-RS.20
.30 91-Y112-RS.30
.40 91-Y112-RS.40
.60 91-Y112-RS.60

MAIN BEARINGS – FLAT

STD 91-Y112-MBS
.10 91-Y112-MBS.10
.20 91-Y112-MBS.20
.30 91-Y112-MBS.30

ROD BEARINGS – ONE WAY

STD 91-Y112-RBS
.10 91-Y112-RBS.10
.20 91-Y112-RBS.20
.30 91-Y112-RBS.30

MAIN BEARINGS – FLANGED

STD 91-Y112-MBSF
.10 91-Y112-MBSF.10
.20 91-Y112-MBSF.20
.30 91-Y112-MBSF.30

ROD BEARINGS – STAGGERED

STD 91-Y112-RBSS
.10 91-Y112-RBSS.10
.20 91-Y112-RBSS.20
.30 91-Y112-RBSS.30

FRONT GASKET SET

BAKER 91-Y112-FGA.BK
CLARK 91-Y112-FGA.CL
HYSTER 91-Y112-FGA.HY
UNIVERSAL 91-Y112-FGA

OIL PUMP

STEEL GEAR 91-Y112-OP
CAST GEAR 91-Y112-OP.CG

CAM BEARINGS 91-Y112-CBS
FREEZE PLUG KIT 91-Y112-FPK
PIN BUSHINGS 91-Y112-PB
TOP GASKET SET 91-Y112-TGA
BOTTOM GASKET SET 91-Y112-BGA

ALL ITEMS LISTED CAN BE ORDERED SEPARATELY

OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

** SPECIFY OEM BEFORE ORDERING PARTS

CYLINDER HEAD PARTS

INTAKE GUIDE 91-Y112-IVG
EXHAUST GUIDE 91-Y112-EVG
VALVE SPRING 91-Y112-VS
EXHAUST VALVE 91-Y112-EV
INTAKE VALVE 91-Y112-IV

MISCELLANEOUS

LIFTERS 91-Y112-LIFT
CYLINDER LINER 91-Y112-CLS
OIL PUMP KIT 91-Y112-OPK
REMAN CYLINDER HEAD 91-Y112-HEAD-R

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FORD ENGINE OVERHAUL KIT WITH OIL PUMP 08-172-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 08-172-PIS
.20 08-172-PIS.20
.30 08-172-PIS.30
.40 08-172-PIS.40
.60 08-172-PIS.60

RING SET

STD 08-172-RS
.20 08-172-RS.20
.30 08-172-RS.30
.40 08-172-RS.40
.60 08-172-RS.60

MAIN BEARINGS

STD 08-172-MBS
.10 08-172-MBS.10
.20 08-172-MBS.20
.30 08-172-MBS.30
.40 08-172-MBS.40

ROD BEARINGS

STD 08-172-RBS
.10 08-172-RBS.10
.20 08-172-RBS.20
.30 08-172-RBS.30
.40 08-172-RBS.40
.50 08-172-RBS.50

OIL PUMP 08-172-OP
PIN BUSHINGS 08-172-PB

FREEZE PLUG KIT 08-172-FPK
O/HAUL GASKET SET 08-172-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE GUIDE 08-172-IVG
EXHAUST GUIDE 08-172-EVG
VALVE SPRING 08-172-VS
EXHAUST VALVE 08-172-EV
INTAKE VALVE 08-172-IV

MISCELLANEOUS

LIFTERS 08-172-LIFT

FORD ENGINE OVERHAUL KIT WITH OIL PUMP 08-172D-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 08-172D-PIS
.20 08-172D-PIS.20
.30 08-172D-PIS.30
.40 08-172D-PIS.40

RING SET

STD 08-172D-RS
.20 08-172D-RS.20
.30 08-172D-RS.30
.40 08-172D-RS.40
.60 08-172D-RS.60

MAIN BEARINGS

STD 08-172D-MBS
.10 08-172-MBS.10
.20 08-172-MBS.20
.30 08-172-MBS.30
.40 08-172-MBS.40

ROD BEARINGS

STD 08-172D-RBS
.10 08-172-RBS.10
.20 08-172-RBS.20
.30 08-172-RBS.30
.40 08-172-RBS.40
.50 08-172-RBS.50

FREEZE PLUG KIT 08-172D-FPK
PIN BUSHINGS 08-172D-PB
O/HAUL GASKET SET 08-172D-GA
OIL PUMP W/1 HOLE IN COVER PLATE 08-172D-OP
OIL PUMP W/2 HOLES IN COVER PLATE 08-172D-OP2

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE GUIDE 08-172-IVG
EXHAUST GUIDE 08-172-EVG
VALVE SPRING 08-172-VS
EXHAUST VALVE 08-172-EV
INTAKE VALVE 08-172-IV

MISCELLANEOUS

LIFTERS 08-172-LIFT



FORD ENGINE OVERHAUL KIT 08-192-OVK

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 08-192-PIS
.20 08-192-PIS.20
.30 08-192-PIS.30

RING SET

STD 08-192-RS
.20 08-192-RS.20
.30 08-192-RS.30

MAIN BEARINGS

STD 08-192-MBS
.10 08-192-MBS.10
.20 08-192-MBS.20
.30 08-192-MBS.30
.40 08-192-MBS.40

ROD BEARINGS

STD 08-192-RBS
.10 08-192-RBS.10
.20 08-192-RBS.20
.30 08-192-RBS.30
.40 08-192-RBS.40

PIN BUSHINGS 08-192-PB
O/HAUL GASKET SET 08-192-GA
FREEZE PLUG KIT 08-192-FPK

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE GUIDE 08-192-IVG
EXHAUST GUIDE 08-192-EVG
EXHAUST VALVE 08-192-EV
INTAKE VALVE 08-192-IV

GMC ENGINE OVERHAUL KIT WITH OIL PUMP 188-153-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 188-153-PIS
.20 188-153-PIS.20
.30 188-153-PIS.30
.40 188-153-PIS.40
.60 188-153-PIS.60

RING SET

STD 188-153-RS
.20 188-153-RS.20
.30 188-153-RS.30
.40 188-153-RS.40
.60 188-153-RS.60

MAIN BEARINGS

STD 188-153-MBS
.10 188-153-MBS.10
.20 188-153-MBS.20
.30 188-153-MBS.30

ROD BEARINGS

STD 188-153-RBS
.20 188-153-RBS.20
.30 188-153-RBS.30
.40 188-153-RBS.40
.50 188-153-RBS.50

OIL PUMP 188-153-OP
CAM BEARINGS 188-153-CBS

O/HAUL GASKET SET 188-153-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

VALVE SPRING 188-153-VS
EXHAUST VALVE 188-153-EV
INTAKE VALVE 188-153-IV

MISCELLANEOUS

LIFTERS 188-153-LIFT

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GMC ENGINE OVERHAUL KIT WITH OIL PUMP 188-181-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 188-181-PIS
.20 188-181-PIS.20
.30 188-181-PIS.30
.40 188-181-PIS.40
.60 188-181-PIS.60

RING SET

STD 188-181-RS
.20 188-181-RS.20
.30 188-181-RS.30
.40 188-181-RS.40
.60 188-181-RS.60

MAIN BEARINGS

STD 188-181-MBS
.10 188-181-MBS.10
.20 188-181-MBS.20
.30 188-181-MBS.30

ROD BEARINGS

STD 188-181-RBS
.10 188-181-RBS.10
.20 188-181-RBS.20
.30 188-181-RBS.30
40 188-181-RBS.40

OIL PUMP 188-181-OP
CAM BEARINGS 188-181-CBS

O/HAUL GASKET SET 188-181-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

VALVE SPRING 188-181-VS
EXHAUST VALVE 188-181-EV
INTAKE VALVE 188-181-IV

MISCELLANEOUS

LIFTERS 188-181-LIFT

ISUZU ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 130-4BB1-OVKL

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTONS, RING SET, LINERS) 130-4BB1-LK

MAIN BEARINGS

STD	130-4BB1-MBS
.25mm	130-4BB1-MBS.25
.50mm	130-4BB1-MBS.50
.75mm	CALL
1.00mm	CALL

ROD BEARINGS

STD	130-4BB1-RBS
.25mm	130-4BB1-RBS.25
.50mm	130-4BB1-RBS.50
.75mm	130-4BB1-RBS.75
1.00mm	CALL

CAM BEARINGS	130-4BB1-CB
THRUST WASHERS	130-4BB1-TW
PIN BUSHINGS	130-4BB1-PB
O/HAUL GASKET SET	130-4BB1-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	130-4BB1-IV
EXHASUT VALVE	130-4BB1-EV
VALVE GUIDE	130-4BB1-VG

MISCELLANEOUS

FREEZE PLUGS	130-4BB1-FPK
HEAD SET	130-4BB1-HS

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ISUZU ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 130-4BC2-OVKL

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTONS, RING SET, LINERS) 130-4BC2-LK

MAIN BEARINGS

STD	130-4BC2-MBS
.25mm	130-4BC2-MBS.25
.50mm	130-4BC2-MBS.50
.75mm	130-4BC2-MBS.75
1.00mm	CALL

ROD BEARINGS

STD	130-4BC2-RBS
.25mm	130-4BC2-RBS.25
.50mm	130-4BC2-RBS.50
.75mm	130-4BC2-RBS.75
1.00mm	CALL

CAM BEARINGS

130-4BC2-CB

THRUST WASHERS

130-4BC2-TW

PIN BUSHINGS

130-4BC2-PB

O/HAUL GASKET SET (06/82 - 10/85)

130-4BC2-GAE

O/HAUL GASKET SET (11/85 ON)

130-4BC2-GAL

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	130-4BC2-IV
EXHASUT VALVE	130-4BC2-EV
VALVE GUIDE	130-4BC2-VG

MISCELLANEOUS

FREEZE PLUGS	130-4BC2-FPK
HEAD SET (06/82-10/85)	130-4BC2-HSE
HEAD SET (11/82 ON)	130-4BC2-HSL

ISUZU ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 130-4BD1-OVKL

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTONS, RING SET, LINERS) 130-4BD1-LK

MAIN BEARINGS

STD	130-4BD1-MBS
.25mm	130-4BD1-MBS.25
.50mm	130-4BD1-MBS.50
.75mm	130-4BD1-MBS.75
1.00mm	CALL

ROD BEARINGS

STD	130-4BD1-RBS
.25mm	130-4BD1-RBS.25
.50mm	130-4BD1-RBS.50
.75mm	130-4BD1-RBS.75
1.00mm	CALL

CAM BEARINGS

130-4BD1-CB

THRUST WASHERS

130-4BD1-TW

PIN BUSHINGS

130-4BD1-PB

O/HAUL GASKET SET (1986 - 07/87)

130-4BD1-GAE

O/HAUL GASKET SET (08/87 - 05/90)

130-4BD1-GAM

O/HAUL GASKET SET (06/90-1991)

130-4BD1-GAL

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	130-4BD1-IV
EXHASUT VALVE	130-4BD1-EV
VALVE GUIDE	130-4BD1-VG

MISCELLANEOUS

FREEZE PLUGS	130-4BD1-FPK
HEAD SET	130-4BD1-HS
OIL PUMP	CALL



**ISUZU ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP
130-4BD1T-OVKL**

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTONS, RING SET, LINERS) 130-4BD1T-LK

MAIN BEARINGS		ROD BEARINGS	
STD	130-4BD1T-MBS	STD	130-4BD1T-RBS
.25mm	130-4BD1T-MBS.25	.25mm	130-4BD1T-RBS.25
.50mm	130-4BD1T-MBS.50	.50mm	130-4BD1T-RBS.50
.75mm	130-4BD1T-MBS.75	.75mm	130-4BD1T-RBS.75
1.00mm	CALL	1.00mm	CALL

CAM BEARINGS	130-4BD1T-CB
THRUST WASHERS	130-4BD1T-TW
PIN BUSHINGS	130-4BD1T-PB
O/HAUL GASKET SET (1986 - 07/87)	130-4BD1T-GAE
O/HAUL GASKET SET (08/87 - 05/90)	130-4BD1T-GAM
O/HAUL GASKET SET (06/90-1991)	130-4BD1T-GAL

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS		MISCELLANEOUS	
INTAKE VALVE	130-4BD1T-IV	FREEZE PLUGS	130-4BD1T-FPK
EXHASUT VALVE	130-4BD1T-EV	HEAD SET	130-4BD1T-HS
VALVE GUIDE	130-4BD1T-VG	OIL PUMP	CALL

ISUZU ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 130-4BD2TC-OVKL

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTONS, RING SET, LINERS) (01/91-11/93) 130-4BD2TC-LKE
CYLINDER LINER KIT (PISTONS, RING SET, LINERS) (12/93-12/97) 130-4BD2TC-LKL

MAIN BEARINGS

STD	130-4BD2TC-MBS
.25mm	130-4BD2TC-MBS.25
.50mm	130-4BD2TC-MBS.50
.75mm	130-4BD2TC-MBS.75
1.00mm	CALL

ROD BEARINGS

STD	130-4BD2TC-RBS
.25mm	130-4BD2TC-RBS.25
.50mm	130-4BD2TC-RBS.50
.75mm	130-4BD2TC-RBS.75
1.00mm	CALL

CAM BEARINGS

130-4BD2TC-CB

THRUST WASHERS

130-4BD2TC-TW

PIN BUSHINGS

130-4BD2TC-PB

O/HAUL GASKET SET (01/91 - 11/93)

130-4BD2TC-GAE

O/HAUL GASKET SET (12/93 - ON)

130-4BD2TC-GAL

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	130-4BD2TC-IV
EXHASUT VALVE	130-4BD2TC-EV
VALVE GUIDE	130-4BD2TC-VG

MISCELLANEOUS

FREEZE PLUGS	130-4BD2TC-FPK
OIL PUMP	CALL



ISUZU ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 130-4JB1-OVKL

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTONS, RING SET, LINERS) 130-4JB1-LK

MAIN BEARINGS

STD	130-4JB1-MBS
.25mm	130-4JB1-MBS.25
.50mm	130-4JB1-MBS.50
.75mm	130-4JB1-MBS.75
1.00mm	CALL

ROD BEARINGS

STD	130-4JB1-RBS
.25mm	130-4JB1-RBS.25
.50mm	130-4JB1-RBS.50
.75mm	130-4JB1-RBS.75
1.00mm	CALL

CAM BEARINGS	130-4JB1-CB
THRUST WASHERS	130-4JB1-TW
PIN BUSHINGS	130-4JB1-PB
O/HAUL GASKET SET	130-4JB1-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	130-4JB1-IV
EXHASUT VALVE	130-4JB1-EV
VALVE GUIDE	130-4JB1-VG

MISCELLANEOUS

FREEZE PLUGS	CALL
GLOW PLUG	130-4JB1-GP

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ISUZU ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 130-6BB1-OVKL

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

MAIN BEARINGS

STD	130-6BB1-MBS
.25mm	130-6BB1-MBS.25
.50mm	130-6BB1-MBS.50
.75mm	130-6BB1-MBS.75
1.00mm	CALL

ROD BEARINGS

STD	130-6BB1-RBS
.25mm	130-6BB1-RBS.25
.50mm	130-6BB1-RBS.50
.75mm	130-6BB1-RBS.75
1.00mm	CALL

STANDARD SIZES ONLY

LINERS	130-6BB1-LIN
PISTONS	130-6BB1-PIS
RING SET	130-6BB1-RS

CAM BEARINGS	130-6BB1-CB
THRUST WASHERS	130-6BB1-TW
PIN BUSHINGS	130-6BB1-PB
O/HAUL GASKET SET	130-6BB1-GA

ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	130-6BB1-IV
EXHASUT VALVE	130-6BB1-EV
VALVE GUIDE	130-6BB1-VG

MISCELLANEOUS

FREEZE PLUGS	CALL
OIL PUMP	CALL

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

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**ISUZU ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP
130-6BD1-OVKL**

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTONS, RING SET, LINERS) 130-6BD1-LK

MAIN BEARINGS

STD	130-6BD1-MBS
.25mm	130-6BD1-MBS.25
.50mm	130-6BD1-MBS.50
.75mm	130-6BD1-MBS.75
1.00mm	CALL

ROD BEARINGS

STD	130-6BD1-RBS
.25mm	130-6BD1-RBS.25
.50mm	130-6BD1-RBS.50
.75mm	130-6BD1-RBS.75
1.00mm	CALL

CAM BEARINGS

130-6BD1-CB

THRUST WASHERS

130-6BD1-TW

PIN BUSHINGS

130-6BD1-PB

O/HAUL GASKET SET (1973 - 11/81)

130-6BD1-GA1

O/HAUL GASKET SET (12/81- 12/83)

130-6BD1-GA2

O/HAUL GASKET SET (01/84- 08/86)

130-6BD1-GA3

O/HAUL GASKET SET (09/86- 11/86)

130-6BD1-GA4

O/HAUL GASKET SET (12/86- 12/90)

130-6BD1-GA5

ALL ITEMS CAN BE ORDERED SEPARATELY

OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	130-6BD1-IV
EXHASUT VALVE	130-6BD1-EV
VALVE GUIDE	130-6BD1-VG

MISCELLANEOUS

FREEZE PLUGS	CALL
OIL PUMP	CALL
HEAD SET	CALL

ISUZU ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 130-6BD1T-OVKL

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTONS, RING SET, LINERS) 130-6BD1T-LK

MAIN BEARINGS

STD	130-6BD1T-MBS
.25mm	130-6BD1T-MBS.25
.50mm	130-6BD1T-MBS.50
.75mm	130-6BD1T-MBS.75
1.00mm	CALL

ROD BEARINGS

STD	130-6BD1T-RBS
.25mm	130-6BD1T-RBS.25
.50mm	130-6BD1T-RBS.50
.75mm	130-6BD1T-RBS.75
1.00mm	CALL

CAM BEARINGS

130-6BD1T-CB

THRUST WASHERS

130-6BD1T-TW

PIN BUSHINGS

130-6BD1T-PB

O/HAUL GASKET SET (1973 - 11/81)

130-6BD1T-GA1

O/HAUL GASKET SET (12/81- 12/83)

130-6BD1T-GA2

O/HAUL GASKET SET (01/84- 08/86)

130-6BD1T-GA3

O/HAUL GASKET SET (09/86- 11/86)

130-6BD1T-GA4

O/HAUL GASKET SET (12/86- 12/90)

130-6BD1T-GA5

ALL ITEMS CAN BE ORDERED SEPARATELY

OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	130-6BD1T-IV
EXHASUT VALVE	130-6BD1T-EV
VALVE GUIDE	130-6BD1T-VG

MISCELLANEOUS

FREEZE PLUGS	CALL
OIL PUMP	CALL
HEAD SET	CALL



**ISUZU ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP
130-6BG1-OVKL**

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTONS, RING SET, LINERS) 130-6BG1-LK

MAIN BEARINGS

STD	130-6BG1-MBS
.25mm	130-6BG1-MBS.25
.50mm	130-6BG1-MBS.50
.75mm	130-6BG1-MBS.75
1.00mm	CALL

ROD BEARINGS

STD	130-6BG1-RBS
.25mm	130-6BG1-RBS.25
.50mm	130-6BG1-RBS.50
.75mm	130-6BG1-RBS.75
1.00mm	CALL

CAM BEARINGS	130-6BG1-CB
THRUST WASHERS	130-6BG1-TW
PIN BUSHINGS	130-6BG1-PB
O/HAUL GASKET SET	130-6BG1-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	130-6BG1-IV
EXHAUST VALVE	130-6BG1-EV
VALVE GUIDE	130-6BG1-VG

MISCELLANEOUS

FREEZE PLUGS	CALL
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ISUZU ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 130-C240-OVKLOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

LINERS	130-C240-LIN	PIN BUSHINGS	130-C240-PB
PISTONS	130-C240-PIS	OIL PUMP	130-C240-OP
RING SET	130-C240-RS	O/HAUL GASKET SET	130-C240-GA
CAM BEARINGS	130-C240-CBS	FREEZE PLUGS	130-C240-FPK
THRUST WASHERS	130-C240-TWS		
MAIN BEARINGS		ROD BEARINGS	
STD	130-C240-MBS	STD	130-C240-RBS
.25mm	130-C240-MBS.25	.25mm	130-C240-RBS.25
.50mm	130-C240-MBS.50	.50mm	130-C240-RBS.50
.75mm	130-C240-MBS.75	.75mm	130-C240-RBS.75
1.00mm	130-C240-MBS1.00	1.00mm	130-C240-RBS1.00

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS		MISCELLANEOUS	
INTAKE VALVE	130-C240-IV	HEAD SET	130-C240-HS
EXHAUST VALVE	130-C240-EV	CAMSHAFT	130-C240-CAM
VALVE GUIDE	130-C240-VG	LIFTERS	130-C240-LIFT
LINER KIT	130-C240-LK		

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MAZDA ENGINE OVERHAUL KIT 320-D5-OVK

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	320-D5-PIS
.50mm	320-D5-PIS.50
.75mm	320-D5-PIS.75
1.00mm	320-D5-PIS1.00

RING SET

STD	320-D5-RS
.50mm	320-D5-RS.50
.75mm	320-D5-RS.75
1.00mm	320-D5-RS1.00

MAIN BEARINGS

STD	320-D5-MBS
.25mm	320-D5-MBS.25
.50mm	320-D5-MBS.50
.75mm	320-D5-MBS.75
1.00mm	320-D5-MBS1.00

ROD BEARINGS

STD	320-D5-RBS
.25mm	320-D5-RBS.25
.50mm	320-D5-RBS.50
.75mm	320-D5-RBS.75
1.00mm	320-D5-RBS1.00

TIMING CHAIN	320-D5-TC**
FREEZE PLUGS	320-D5-FPK
THRUST WASHERS	320-D5-TWS

O/HAUL GASKET SET	320-D5-GA
OIL PUMP DRIVE CHAIN	320-D5-OPDC
OIL PUMP REPAIR KIT	320-D5-OPK

**** SPECIFY SINGLE OR DOUBLE ROW TIMING CHAIN**

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	320-D5-IV
EXHAUST VALVE	320-D5-EV
VALVE GUIDE	320-D5-VG
VALVE SPRING	320-D5-VS
STEM SEALS	320-D5-SS

MISCELLANEOUS

CRANK SPROCKET	320-D5-CRSP
CAM SPROCKET	320-D5-CASP
TENSIONER	320-D5-TEN
CRANK O/P SPROCKET	320-D5-COPS
PUMP O/P SPROCKET	320-D5-PSP
GUIDE RAIL (LEFT)	320-D5-GRL
GUIDE RAIL (RIGHT)	320-D5-GRR
CAM SHAFT	320-D5-CAM

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MAZDA ENGINE OVERHAUL KIT WITH OIL PUMP 320-F2-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	320-F2-PIS
.50mm	320-F2-PIS.50
.75mm	320-F2-PIS.75
1.00mm	320-F2-PIS1.00

RING SET

STD	320-F2-RS
.50mm	320-F2-RS.50
.75mm	320-F2-RS.75
1.00mm	320-F2-RS1.00

MAIN BEARINGS

STD	320-F2-MBS
.25mm	320-F2-MBS.25
.50mm	320-F2-MBS.50
.75mm	320-F2-MBS.75
1.00mm	320-F2-MBS1.00

ROD BEARINGS

STD	320-F2-RBS
.25mm	320-F2-RBS.25
.50mm	320-F2-RBS.50
.75mm	320-F2-RBS.75
1.00mm	320-F2-RBS1.00

TIMING BELT	320-F2-TB	
TIMING CHAIN	320-F2-TC	
O/HAUL GASKET SET	320-F2-GA	(TIMING BELT APPLICATION)
O/HAUL GASKET SET	320-F2-GA-TC	(TIMING CHAIN APPLICATION)
OIL PUMP	320-F2-OP	(FITS BELT APPLICATION ONLY)
FREEZE PLUGS	320-F2-FPK	

ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	320-F2-IV
EXHAUST VALVE	320-F2-EV
VALVE GUIDE	320-F2-VG
INNER VALVE SPRING	320-F2-IS
OUTER VALVE SPRING	320-F2-OS
STEM SEALS	320-F2-SS

MISCELLANEOUS

HEAD SET	320-F2-HS
TENSIONER	320-F2-TEN
IDLER	320-F2-ID
CAM SHAFT	320-F2-CAM
WATER PUMP	CALL
SLEEVE	CALL
CONN ROD	CALL
ROCKER ASSY	CALL

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MAZDA ENGINE OVERHAUL KIT WITH OIL PUMP 320-FE-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 320-FE-PIS
50mm 320-FE-PIS.50
.75mm 320-FE-PIS.75
1.00mm 320-FE-PIS1.00

MAIN BEARINGS

STD 320-FE-MBS
.25mm 320-FE-MBS.25
.50mm 320-FE-MBS.50
.75mm 320-FE-MBS.75
1.00mm 320-FE-MBS1.00

RING SET

STD 320-FE-RS
.50mm 320-FE-RS.50
.75mm 320-FE-RS.75
1.00mm 320-FE-RS1.00

ROD BEARINGS

STD 320-FE-RBS
.25mm 320-FE-RBS.25
.50mm 320-FE-RBS.50
.75mm 320-FE-RBS.75
1.00mm 320-FE-RBS1.00

OIL PUMP 320-FE-OP
TIMING BELT 320-FE-TB
O/HAUL GASKET SET 320-FE-GA
FREEZE PLUGS 320-FE-FPK

ALL ITEMS CAN BE ORDERED SEPARATELY
OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE 320-FE-IV
EXHAUST VALVE 320-FE-EV
VALVE GUIDE 320-FE-VG
INNER VALVE SPRING 320-FE-IVS
OUTER VALVE SPRING 320-FE-OS
STEM SEALS 320-FE-SS

MISCELLANEOUS

HEAD SET 320-FE-HS
TENSIONER 320-FE-TEN
CAMSHAFT 320-FE-CAM
WATER PUMP 320-FE-WP
SLEEVE 320-FE-SL
CONN ROD CALL
ROCKER ASSY CALL

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MAZDA ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 320-UA-OVKLOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

LINERS 320-UA-LIN
PISTONS 320-UA-PIS
RING SET 320-UA-RS
RING SET (OE STYLE) 320-UA-RSOE
CAM BEARINGS 320-UA-CBS

PIN BUSHINGS 320-UA-PB
O/HAUL GASKET SET 320-UA-GA
OIL PUMP 320-UA-OP

MAIN BEARINGS
STD 320-UA-MBS
.25mm 320-UA-MBS.25
.50mm 320-UA-MBS.50
.75mm 320-UA-MBS.75
1.00mm 320-UA-MBS1.00

ROD BEARINGS
STD 320-UA-RBS
.25mm 320-UA-RBS.25
.50mm 320-UA-RBS.50
.75mm 320-UA-RBS.75
1.00mm 320-UA-BS1.00

ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE 320-UA-IV
EXHAUST VALVE 320-UA-EV
VALVE GUIDE 320-UA-VG
VALVE SPRINGS 320-UA-VS
STEM SEALS 320-UA-SS

MISCELLANEOUS

PTO CHAIN 320-UA-PTOC
CAM PLUG 320-UA-CP
LIFTERS 320-UA-LIFT
LINER KIT 320-UA-LK
CAMSHAFT 320-UA-CAM
TAPPETS 320-UA-TAP
PUSH ROD TUBE 320-UA-PUR



MAZDA ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 320-VA-OVKLOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

LINERS 320-VA-LIN
PISTONS 320-VA-PIS
RING SET 320-VA-RS

MAIN BEARINGS
STD 320-VA-MBS
.25mm 320-VA-MBS.25
.50mm 320-VA-MBS.50
.75mm 320-VA-MBS.75
1.00mm 320-VA-MBS1.00

ROD BEARINGS
STD 320-VA-RBS
.25mm 320-VA-RBS.25
.50mm 320-VA-RBS.50
.75mm 320-VA-RBS.75
1.00mm 320-VA-RBS1.00

OIL PUMP 320-VA-OP
PIN BUSHINGS 320-VA-PB
WITHOUT PTO O/HAUL GASKET SET 320-VA-GA
FRONT COVER HAS PTO O/HAUL GASKET SET 320-VA-GAC

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	320-VA-IV
EXHAUST VALVE	320-VA-EV
VALVE GUIDE	320-VA-VG
VALVE SPRINGS	320-VA-VS
STEM SEALS	320-VA-SS

MISCELLANEOUS

CAM PLUG	320-VA-CP
LIFTERS	320-VA-LIFT
LINER KIT	320-VA-LK
PTO CHAIN	320-VA-PTOC
CAMSHAFT	320-VA-CAM
CAM BEARING SET	320-VA-CBS (IF APPLICABLE)
CRANK GEAR	320-VA-CRG
CAM GEAR (FIBER)	320-VA-CAG
CAM GEAR (STEEL)	320-VA-CAGS
HEAD GASKET	320-VA-HGA
TAPPETS	320-VA-TAP
PUSH ROD TUBE	320-VA-PUR

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MITSUBISHI ENGINE OVERHAUL KIT WITH OIL PUMP KIT 4-4G32-OVKOPK

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	4-4G32-PIS
.50mm	4-4G32-PIS.50
.75mm	4-4G32-PIS.75
1.00mm	4-4G32-PIS1.00

RING SET

STD	4-4G32-RS
.50mm	4-4G32-RS.50
.50mm	4-4G32-RS.75
1.00mm	4-4G32-RS1.00

MAIN BEARINGS

STD	4-4G32-MBS
.25mm	4-4G32-MBS.25
.50mm	4-4G32-MBS.50
.75mm	4-4G32-MBS.75
1.00mm	4-4G32-MBS1.00

ROD BEARINGS

STD	4-4G32-RBS
.25mm	4-4G32-RBS.25
.50mm	4-4G32-RBS.50
.75mm	4-4G32-RBS.75
1.00mm	4-4G32-RBS1.00

TIMING BELT	4-4G32-TB
FREEZE PLUGS	4-4G32-FPK

O/HAUL GASKET SET	4-4G32-GA
OIL PUMP KIT	4-4G32-OPK

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

(ROUND GROOVE VALVE)	
INTAKE VALVE	4-4G32-IV
EXHAUST VALVE	4-4G32-EV
VALVE SPRING	4-4G32-VS
INTAKE GUIDE	4-4G32-IVG
EXHAUST GUIDE	4-4G32-EVG
STEM SEALS	4-4G32-SS
KEEPER	4-4G32-K

MISCELLANEOUS

WATER PUMP	4-4G32-WP
CAM GEAR	4-4G32-CAG
TENSIONER	4-4G32-TEN
SLEEVE	4-4G32-SL
CAMSHAFT	4-4G32-CAM
CRANK GEAR	4-4G32-CRG
PUMP DRIVE GEAR	4-4G32-PDG

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MITSUBISHI ENGINE OVERHAUL KIT WITH OIL PUMP KIT 4-4G33-OVKOPK

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 4-4G33-PIS
.50mm 4-4G33-PIS.50
1.00mm 4-4G33-PIS1.00

RING SET

STD 4-4G33-RS
.50mm 4-4G33-RS.50
1.00mm 4-4G33-RS1.00

MAIN BEARINGS

STD 4-4G33-MBS
.25mm 4-4G33-MBS.25
.50mm 4-4G33-MBS.50
.75mm 4-4G33-MBS.75
1.00mm 4-4G33-MBS1.00

ROD BEARINGS

STD 4-4G33-RBS
.25mm 4-4G33-RBS.25
.50mm 4-4G33-RBS.50
.75mm 4-4G33-RBS.75
1.00mm 4-4G33-RBS1.00

FREEZE PLUGS 4-4G33-FPK
OIL PUMP KIT 4-4G33-OPK

O/HAUL GASKET SET 4-4G33-GA
TIMING BELT (120 TTH) 4-4G33-TB120
TIMING BELT (122 TTH) 4-4G33-TB122
SPECIFY IF SQUARE TOOTH BELT

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

(ROUND GROOVE VALVE)

INTAKE VALVE 4-4G33-IV
EXHAUST VALVE 4-4G33-EV
KEEPER 4-4G33-K

(SQUARE GROOVE VALVE)

INTAKE VALVE 4-4G33-IV.SQ
EXHAUST VALVE 4-4G33-EV.SQ
KEEPER 4-4G33-K.SQ

VALVE SPRING 4-4G33-VS
INTAKE GUIDE 4-4G33-IVG
EXHAUST GUIDE 4-4G33-EVG
STEM SEALS 4-4G33-SS

MISCELLANEOUS

WATER PUMP 4-4G33-WP
CAM GEAR - CAST 4-4G33-CAG
CAM GEAR - STEEL 4-4G33-CAGS
TENSIONER - ROUND TOOTH BELT 4-4G33-TEN
TENSIONER - SQUARE TOOTH BELT 4-4G33-TEN.SQ
SLEEVE 4-4G33-SL
CAMSHAFT 4-4G33-CAM
CRANK GEAR 4-4G33-CRG
PUMP DRIVE GEAR 4-4G33-PDG

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MITSUBISHI ENGINE OVERHAUL KIT WITH OIL PUMP 4-4G52-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW:

SELECT COMPONENT SIZES (PISTONS, RING SET, MAIN & ROD BEARINGS) REQUIRED FOR YOUR KIT

PISTONS

STD	4-4G52-PIS
.50mm	4-4G52-PIS.50
.75mm	4-4G52-PIS.75
1.00mm	4-4G52-PIS1.00

RING SET

STD	4-4G52-RS
.50mm	4-4G52-RS.50
.75mm	4-4G52-RS.75
1.00mm	4-4G52-RS1.00

MAIN BEARINGS (EARLY)

CRANKSHAFT JOURNAL DIAMETER IS 66mm

STD	4-4G52-MBS
.25mm	4-4G52-MBS.25
.50mm	4-4G52-MBS.50
.75mm	4-4G52-MBS.75
1.00mm	4-4G52-MBS1.00

ROD BEARINGS

STD	4-4G52-RBS
.25mm	4-4G52-RBS.25
.50mm	4-4G52-RBS.50
.75mm	4-4G52-RBS.75
1.00mm	4-4G52-RBS1.00

MAIN BEARINGS (LATE)

CRANKSHAFT JOURNAL DIAMETER IS 60mm

STD	4-4G52-MBSL
.25mm	4-4G52-MBSL.25
.50mm	4-4G52-MBSL.50
.75mm	4-4G52-MBSL.75
1.00mm	4-4G52-MBSL1.00

FREEZE PLUGS 4-4G52-FPK

TIMING CHAIN 4-4G52-TC

OIL PUMP 4-4G52-OP

OIL PUMP DRIVE CHAIN 4-4G52-OPDC

O/HAUL GASKET SET 4-4G52-GA

ALL ITEMS LISTED CAN BE ORDERED SEPARATELY

OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

(ROUND GROOVE VALVE)	
INTAKE VALVE	4-4G52-IV
EXHAUST VALVE	4-4G52-EV
KEEPER	4-4G52-K
(SQUARE GROOVE VALVE)	
INTAKE VALVE	4-4G52-IV.SQ
EXHAUST VALVE	4-4G52-EV.SQ
KEEPER	4-4G52-K.SQ
VALVE SPRING	4-4G52-VS
INTAKE GUIDE	4-4G52-IVG
EXHAUST GUIDE	4-4G52-EVG
STEM SEALS	4-4G52-SS
ROCKER ARM	4-4G52-RA

MISC

HEAD SET	4-4G52-HS
SLEEVE	4-4G52-SL
CAMSHAFT	4-4G52-CAM
WATER PUMP	4-4G52-WP
FRONT CAM HALF MOON	4-4G52-CSF
REAR CAM HALF MOON	4-4G52-CSR
HEAD GASKET	4-4G52-HGA
CONNECTING ROD	4-4G52-CCR

TIMING COMPONENTS

CRANK O/P SPROCKET	4-4G52-COPS
PUMP O/P SPROCKET	4-4G52-POPS
CRANK SPROCKET	4-4G52-CRSP
CAM SPROCKET	4-4G52-CASP
TENSIONER	4-4G52-TEN
GUIDE RAIL (TENSION)	4-4G52-GRT
GUIDE RAIL (SLACK)	4-4G52-GRS

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MITSUBISHI ENGINE OVERHAUL KIT WITH OIL PUMP 4-4G54-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	4-4G54-PIS
.50mm	4-4G54-PIS.50
.75mm	4-4G54-PIS.75
1.00mm	4-4G54-PIS1.00
1.50mm	4-4G54-PIS1.50

RING SET

STD	4-4G54-RS
.50mm	4-4G54-RS.50
.75mm	4-4G54-RS.75
1.00mm	4-4G54-RS1.00
1.50mm	4-4G54-RS1.50

MAIN BEARINGS

STD	4-4G54-MBS
.25mm	4-4G54-MBS.25
.50mm	4-4G54-MBS.50
.75mm	4-4G54-MBS.75
1.00mm	4-4G54-MBS1.00

ROD BEARINGS

STD	4-4G54-RBS
.25mm	4-4G54-RBS.25
.50mm	4-4G54-RBS.50
.75mm	4-4G54-RBS.75
1.00mm	4-4G54-RBS1.00

OIL PUMP	4-4G54-OP
FREEZE PLUGS	4-4G54-FPK
TIMING CHAIN	4-4G54-TC

OIL PUMP DRIVE CHAIN	4-4G54-OPDC
O/HAUL GASKET SET	4-4G54-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

(ROUND GROOVE VALVE)	
INTAKE VALVE	4-4G54-IV
EXHAUST VALVE	4-4G54-EV
KEEPER	4-4G54-K
(SQUARE GROOVE VALVE)	
INTAKE VALVE	4-4G54-IV.SQ
EXHAUST VALVE	4-4G54-EV.SQ
KEEPER	4-4G54-K.SQ
VALVE SPRING	4-4G54-VS
INTAKE GUIDE	4-4G54-IVG
EXHAUST GUIDE	4-4G54-EVG
STEM SEALS	4-4G54-SS
ROCKER ARM	4-4G54-RA

MISC

HEAD SET	4-4G54-HS
SLEEVE	4-4G54-SL
CAMSHAFT	4-4G54-CAM
WATER PUMP	4-4G54-WP
FRONT CAM HALF MOON	4-4G54-CSF
HEAD GASKET	4-4G54-HGA
CONNECTING ROD	4-4G54-CCR

TIMING COMPONENTS

CRANK O/P SPROCKET	4-4G54-COPS
PUMP O/P SPROCKET	4-4G54-POPS
CRANK SPROCKET	4-4G54-CRSP
CAM GEAR	4-4G54-CAG
TENSIONER	4-4G54-TEN
GUIDE RAIL (TENSION)	4-4G54-GRT
GUIDE RAIL (SLACK)	4-4G54-GRS
CAM SPROCKET	4-4G54-CASP
CAM PLUG	4-4G54-CP
CRANK GEAR	4-4G54-CRG

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MITSUBISHI ENGINE OVERHAUL KIT WITH OIL PUMP 4-4G54B-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	4-4G54B-PIS
.50mm	4-4G54B-PIS.50
.75mm	4-4G54B-PIS.75
1.00mm	4-4G54B-PIS1.00

RING SET

STD	4-4G54B-RS
.50mm	4-4G54B-RS.50
.75mm	4-4G54B-RS.75
1.00mm	4-4G54B-RS1.00

MAIN BEARINGS

STD	4-4G54B-MBS
.25mm	4-4G54B-MBS.25
.50mm	4-4G54B-MBS.50
.75mm	4-4G54B-MBS.75
1.00mm	4-4G54B-MBS1.00

ROD BEARINGS

STD	4-4G54B-RBS
.25mm	4-4G54B-RBS.25
.50mm	4-4G54B-RBS.50
.75mm	4-4G54B-RBS.75
1.00mm	4-4G54B-RBS1.00

BAL. SHAFT CHAIN	4-4G54B-BSC
FREEZE PLUGS	4-4G54B-FPK
TIMING CHAIN	4-4G54B-TC

BAL. SHAFT BEARINGS	4-4G54B-BSR
O/HAUL GASKET SET	4-4G54B-GA
OIL PUMP	4-4G54B-OP

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS (ROUND GROOVE VALVE)

INTAKE VALVE	4-4G54B-IV
EXHAUST VALVE	4-4G54B-EV
KEEPER	4-4G54B-K

(SQUARE GROOVE VALVE)

INTAKE VALVE	4-4G54B-IV.SQ
EXHAUST VALVE	4-4G54B-EV.SQ
KEEPER	4-4G54B-K.SQ

VALVE SPRING	4-4G54B-VS
INTAKE GUIDE	4-4G54B-IVG
EXHAUST GUIDE	4-4G54B-EVG
STEM SEALS	4-4G54B-SS
ROCKER ARM	4-4G54B-RA

MISCELLANEOUS

CRANK SPROCKET	4-4G54B-CRSP	SLEEVE	4-4G54B-SL
CAM SPROCKET	4-4G54B-CASP	CAMSHAFT	4-4G54B-CAM
TENSIONER	4-4G54B-TEN	WATER PUMP	4-4G54B-WP
GUIDE RAIL (TENSION)	4-4G54B-GRT	CAM PLUG	4-4G54B-CP
GUIDE RAIL (SLACK)	4-4G54B-GRS	HEAD GASKET	4-4G54B-HGA
HEAD SET	4-4G54B-HS	CONN RODS	4-4G54B-CCR

(BALANCE SHAFT COMPONENTS)

CRANK BAL. SPROCKET	4-4G54B-CRBS
BAL. SHAFT SPROCKET	4-4G54B-BSSP (REQ.2)
GUIDE RAIL (LOWER L)	4-4G54B-GRLL
GUIDE RAIL (LOWER R)	4-4G54B-GRLR
GUIDE RAIL (UPPER)	4-4G54B-GRU
BAL. SHAFT	4-4G54B-BS
BAL. SHAFT (O/P)	4-4G54B-BSOP

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MITSUBISHI ENGINE OVERHAUL KIT 4-4G63-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	4-4G63-PIS
.50mm	4-4G63-PIS.50
.75mm	4-4G63-PIS.75
1.00mm	4-4G63-PIS1.00

RING SET

STD	4-4G63-RS
.50mm	4-4G63-RS.50
.75mm	4-4G63-RS.75
1.00mm	4-4G63-RS1.00

MAIN BEARINGS

STD	4-4G63-MBS
.25mm	4-4G63-MBS.25
.50mm	4-4G63-MBS.50
.75mm	4-4G63-MBS.75

ROD BEARINGS

STD	4-4G63-RBS
.25mm	4-4G63-RBS.25
.50mm	4-4G63-RBS.50
.75mm	4-4G63-RBS.75

* SPECIFY FLANGED MAINS OR EXTERNAL THRUST WASHERS

FREEZE PLUGS	4-4G63-FPK
TIMING BELT	4-4G63-TB
OIL PUMP	4-4G63-OP

O/HAUL GASKET SET	4-4G63-GA
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**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	4-4G63-IV
EXHAUST VALVE	4-4G63-EV
VALVE SPRING	4-4G63-VS
INTAKE GUIDE	4-4G63-IVG
EXHAUST GUIDE	4-4G63-EVG
STEM SEALS	4-4G63-SS
KEEPER	4-4G63-K

MISCELLANEOUS

TENSIONER	4-4G63-TEN
VALVE GRIND SET	4-4G63-TGA
LIFTER/LASH ADJ	4-4G63-LA
CAMSHAFT	4-4G63-CAM
VALVE GRIND SET	4-4G63-VGS
WATER PUMP	4-4G63-WP
SLEEVE	4-4G63-SL

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MITSUBISHI ENGINE OVERHAUL KIT 4-4G63B-OVK

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 4-4G63B-PIS
.50mm 4-4G63B-PIS.50
.75mm 4-4G63B-PIS.75
1.00mm 4-4G63B-PIS1.00

RING SET

STD 4-4G63B-RS
.50mm 4-4G63B-RS.50
.75mm 4-4G63B-RS.75
1.00mm 4-4G63B-RS1.00

MAIN BEARINGS

STD 4-4G63B-MBS
.25mm 4-4G63B-MBS.25
.50mm 4-4G63B-MBS.50
.75mm 4-4G63B-MBS.75

ROD BEARINGS

STD 4-4G63B-RBS
.25mm 4-4G63B-RBS.25
.50mm 4-4G63B-RBS.50
.75mm 4-4G63B-RBS.75

** SPECIFY FLANGED MAINS OR EXTERNAL THRUST WASHERS

OIL PUMP 4-4G63B-OP
FREEZE PLUGS 4-4G63B-FPK
TIMING BELT 4-4G63B-TB

BAL. SHAFT BEARINGS 4-4G63B-BSR
O/HAUL GASKET SET 4-4G63B-GA
BAL SHAFT BELT 55 TEETH 4-4G63B-BSBL
BAL SHAFT BELT 65 SMALL TEETH 4-4G63B-BSB

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE 4-4G63B-IV
EXHAUST VALVE 4-4G63B-EV
VALVE SPRING 4-4G63B-VS
INTAKE GUIDE 4-4G63B-IVG
EXHAUST GUIDE 4-4G63B-EVG
STEM SEALS 4-4G63B-SS
KEEPER 4-4G63B-K

MISCELLANEOUS

TENSIONER 4-4G63B-TEN
BALANCE TENSIONER 4-4G63B-BT
VALVE GRIND SET 4-4G63B-TGA
LIFTER/LASHADJ 4-4G63B-LA
CAMSHAFT 4-4G63B-CAM
WATER PUMP 4-4G63B-WP
SLEEVE 4-4G63B-SL
BALANCE TENSIONER - LARGE 4-4G63B-BTL

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MITSUBISHI ENGINE OVERHAUL KIT 4-4G64-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 4-4G64-PIS
.25mm 4-4G64-PIS.25
.50mm 4-4G64-PIS.50
.75mm 4-4G64-PIS.75
1.00mm 4-4G64-PIS1.00

RING SET

STD 4-4G64-RS
.25mm 4-4G64-RS.25
.50mm 4-4G64-RS.50
.75mm 4-4G64-RS.75
1.00mm 4-4G64-RS1.00

MAIN BEARINGS

STD 4-4G64-MBS
.25mm 4-4G64-MBS.25
.50mm 4-4G64-MBS.50
.75mm 4-4G64-MBS.75

ROD BEARINGS

STD 4-4G64-RBS
.25mm 4-4G64-RBS.25
.50mm 4-4G64-RBS.50
.75mm 4-4G64-RBS.75

FREEZE PLUGS 4-4G64-FPK

TIMING BELT 4-4G64-TB

TIMING BELT 4-4G64-TBL

OIL PUMP 4-4G64-OP

O/HAUL GASKET SET 4-4G64-GA

(ENG. SERIAL # UP TO 9301-1)

(ENG. SERIAL # 9301-1)

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE 4-4G64-IV
EXHAUST VALVE 4-4G64-EV
VALVE SPRING 4-4G64-VS
INTAKE GUIDE 4-4G64-IVG
EXHAUST GUIDE 4-4G64-EVG
STEM SEALS 4-4G64-SS
KEEPER 4-4G64-K

MISCELLANEOUS

TENSIONER 4-4G64-TEN
VALVE GRIND SET 4-4G64-TGA
LIFTER/LASH ADJ 4-4G64-LA
CAMSHAFT 4-4G64-CAM
SLEEVE 4-4G64-SL
WATERPUMP 4-4G64-WP

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MITSUBISHI ENGINE OVERHAUL KIT 4-4G64B-OVK

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	4-4G64B-PIS
.25mm	4-4G64B-PIS.25
.50mm	4-4G64B-PIS.50
.75mm	4-4G64B-PIS.75
1.00mm	4-4G64B-PIS1.00

RING SET

STD	4-4G64B-RS
.25mm	4-4G64B-RS.25
.50mm	4-4G64B-RS.50
.75mm	4-4G64B-RS.75
1.00mm	4-4G64B-RS1.00

MAIN BEARINGS

STD	4-4G64B-MBS
.25mm	4-4G64B-MBS.25
.50mm	4-4G64B-MBS.50
.75mm	4-4G64B-MBS.75

ROD BEARINGS

STD	4-4G64B-RBS
.25mm	4-4G64B-RBS.25
.50mm	4-4G64B-RBS.50
.75mm	4-4G64B-RBS.75

BAL. SHAFT BELT	4-4G64B-BSB
FREEZE PLUGS	4-4G64B-FPK
TIMING BELT	4-4G64B-TB
TIMING BELT	4-4G64B-TBL
OIL PUMP	4-4G64B-OP

BAL. SHAFT BEARINGS	4-4G64B-BSR
O/HAUL GASKET SET	4-4G64B-GA
	(ENG. SERIAL # UP TO 9301-1)
	(ENG. SERIAL # 9301-1)

ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	4-4G64B-IV
EXHAUST VALVE	4-4G64B-EV
VALVE SPRING	4-4G64B-VS
INTAKE GUIDE	4-4G64B-IVG
EXHAUST GUIDE	4-4G64B-EVG
STEM SEALS	4-4G64B-SS
KEEPER	4-4G64B-K

MISCELLANEOUS

TENSIONER	4-4G64B-TEN
BALANCE TENSIONER	4-4G64B-BT
VALVE GRIND SET	4-4G64B-TGA
LIFTER/LASHADJ	4-4G64B-LA
CAMSHAFT	4-4G64B-CAM
SLEEVE	4-4G64B-SL
WATER PUMP	4-4G64B-WP



MITSUBISHI ENGINE OVERHAUL KIT 4-6G72-OVK

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	4-6G72-PIS
.50mm	4-6G72-PIS.50
.75mm	4-6G72-PIS.75
1.00mm	4-6G72-PIS1.00

RING SET

STD	4-6G72-RS
.50mm	4-6G72-RS.50
.75mm	4-6G72-RS.75
1.00mm	4-6G72-RS1.00

MAIN BEARINGS

STD	4-6G72-MBS
.25mm	4-6G72-MBS.25
.50mm	4-6G72-MBS.50
.75mm	4-6G72-MBS.75

ROD BEARINGS

STD	4-6G72-RBS
.25mm	4-6G72-RBS.25
.50mm	4-6G72-RBS.50
.75mm	4-6G72-RBS.75

O/HAUL GASKET SET	4-6G72-GA
THRUST WASHERS	4-6G72-TW
FREEZE PLUGS	4-6G72-FPK

TIMING BELT	4-6G72-TB
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**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	4-6G72-IV
EXHAUST VALVE	4-6G72-EV
INTAKE GUIDE	4-6G72-IVG
EXHAUST GUIDE	4-6G72-EVG
VALVE SPRING	4-6G72-VS
STEM SEAL	4-6G72-SS
KEEPER	4-6G72-K

MISCELLANEOUS

CAM SPROCKET	CALL
CRANK SPROCKET	CALL
TENSIONER	4-6G72-TEN
SLEEVE	4-6G72-SL
LIFTER	4-6G72-LIFT
HEAD SET	4-6G72-HS
CAMSHAFT (LH)	4-6G72-CAMLH
CAMSHAFT (RH)	4-6G72-CAMRH
WATER PUMP	4-6G72-WP
OIL PUMP	4-6G72-OP

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NISSAN ENGINE OVERHAUL KIT WITH OIL PUMP 2-A15-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 2-A15-PIS
.50mm 2-A15-PIS.50
.75mm 2-A15-PIS.75
1.00mm 2-A15-PIS1.00
1.50mm 2-A15-PIS1.50

RING SET

STD 2-A15-RS
.50mm 2-A15-RS.50
.75mm 2-A15-RS.75
1.00mm 2-A15-RS1.00
1.50mm 2-A15-RS1.50

MAIN BEARINGS

STD 2-A15-MBS
.25mm 2-A15-MBS.25
.50mm 2-A15-MBS.50
.75mm 2-A15-MBS.75
1.00mm 2-A15-MBS1.00

ROD BEARINGS

STD 2-A15-RBS
.25mm 2-A15-RBS.25
.50mm 2-A15-RBS.50
.75mm 2-A15-RBS.75
1.00mm 2-A15-RBS1.00

CAM BEARINGS 2-A15-CBS
FREEZE PLUGS 2-A15-FPK
TIMING CHAIN 2-A15-TC

OIL PUMP 2-A15-OP
O/HAUL GASKET SET 2-A15-GA

ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE 2-A15-IV
EXHAUST VALVE 2-A15-EV
VALVE SPRING 2-A15-VS
INTAKE GUIDE 2-A15-IVG
EXHAUST GUIDE 2-A15-EVG
STEM SEAL 2-A15-SS

MISCELLANEOUS

TENSIONER 2-A15-TEN
CAM SPROCKET 2-A15-CASP
CRANK SPROCKET 2-A15-CRSP
SLEEVE 2-A15-SL
LIFTER 2-A15-LIFT
CAMSHAFT 2-A15-CAM

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NISSAN ENGINE OVERHAUL KIT WITH OIL PUMP 2-D11-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 2-D11-PIS
.50mm 2-D11-PIS.50
.75mm 2-D11-PIS.75
1.00mm 2-D11-PIS1.00
1.50mm 2-D11-PIS1.50

RING SET

STD 2-D11-RS
.50mm 2-D11-RS.50
.75mm 2-D11-RS.75
1.00mm 2-D11-RS1.00
1.50mm 2-D11-RS1.50

MAIN BEARINGS

STD 2-D11-MBS
.25mm 2-D11-MBS.25
.50mm 2-D11-MBS.50
.75mm 2-D11-MBS.75
1.00mm 2-D11-MBS1.00

ROD BEARINGS

STD 2-D11-RBS
.25mm 2-D11-RBS.25
.50mm 2-D11-RBS.50
.75mm 2-D11-RBS.75
1.00mm 2-D11-RBS1.00

CAM BEARINGS 2-D11-CBS
FREEZE PLUGS 2-D11-FPK
OIL PUMP 2-D11-OP

THRUST WASHERS 2-D11-TWS
O/HAUL GASKET SET 2-D11-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE 2-D11-IV
EXHAUST VALVE 2-D11-EV
VALVE SPRING 2-D11-VS
INTAKE GUIDE 2-D11-IVG
EXHAUST GUIDE 2-D11-EVG
STEM SEAL 2-D11-SS

MISCELLANEOUS

CRANK GEAR 2-D11-CRG
CAM GEAR 2-D11-CAG
SLEEVE 2-D11-SL
LIFTER 2-D11-LIFT
CAMSHAFT 2-D11-CAM

NISSAN ENGINE OVERHAUL KIT WITH OIL PUMP 2-H20-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 2-H20-PIS
.50mm 2-H20-PIS.50
.75mm 2-H20-PIS.75
1.00mm 2-H20-PIS1.00
1.50mm 2-H20-PIS1.50

RING SET

STD 2-H20-RS
.50mm 2-H20-RS.50
.75mm 2-H20-RS.75
1.00mm 2-H20-RS1.00
1.50mm 2-H20-RS1.50

MAIN BEARINGS

STD 2-H20-MBS
.25mm 2-H20-MBS.25
.50mm 2-H20-MBS.50
.75mm 2-H20-MBS.75
1.00mm 2-H20-MBS1.00

ROD BEARINGS

STD 2-H20-RBS
.25mm 2-H20-RBS.25
.50mm 2-H20-RBS.50
.75mm 2-H20-RBS.75
1.00mm 2-H20-RBS1.00

CAM BEARINGS 2-H20-CBS

FREEZE PLUGS 2-H20-FPK

OIL PUMP 2-H20-OP

TIMING CHAIN 2-H20-TC

PIN BUSHINGS 2-H20-PB

WITHOUT PTO
FRONT COVER HAS PTO

O/HAUL GASKET SET 2-H20-GA
O/HAUL GASKET SET 2-H20-GAC

ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

MISCELLANEOUS

INTAKE VALVE 2-H20-IV
EXHAUST VALVE 2-H20-EV
VALVE SPRING 2-H20-VS
INTAKE GUIDE 2-H20-IVG

STEM SEALS 2-H20-SS
KEEPERS 2-H20-K
RETAINERS 2-H20-RET
EXHAUST GUIDE 2-H20-EVG

MISCELLANEOUS

WATER PUMP 2-H20-WP
SLEEVE 2-H20-SL
LIFTER 2-H20-LIFT
CAMSHAFT 2-H20-CAM
HEAD SET 2-H20-HS
CRANK SPROCKET 2-H20-CRSP
CAM SPROCKET 2-H20-CASP
TENSIONER 2-H20-TEN
MANIFOLD GASKET 2-H20-MGA
PTO CR/SPROCKET 2-H20-PTOCRSP
PTO PUMP SPKT 2-H20-PTOPSP
CYLINDER HEAD 2-H20-HEAD

PTO CHAIN (EARLY) 2-H20-PTOC
PTO CHAIN (LATE) 2-H20-PTOCL
OIL PUMP (LATE) 2-H20-OPL
HEAD GASKET 2-H20-HGA
PAN GASKET 2-H20-PGA
VALVE COVER GASKET 2-H20-VCGA
FRONT COVER GASKET 2-H20-FCGA
BACK PLATE GASKET 2-H20-BPGA
TIMING SEAL(W/PTO CHAIN) 2-H20-TSC
CYLINDER HEAD 2-H20-HEAD
ROCKER ASSY 2-H20-RA
CRANKSHAFT 2-H20-CRANK

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NISSAN ENGINE OVERHAUL KIT WITH OIL PUMP

2-H20-IIK-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	2-H20-IIK-PIS
.50MM	2-H20-IIK-PIS.50
.75MM	2-H20-IIK-PIS.75
1.00MM	2-H20-IIK-PIS1.00
1.50MM	2-H20-IIK-PIS1.50

RING SET

STD	2-H20-IIK-RS
.50MM	2-H20-IIK-RS.50
.75MM	2-H20-IIK-RS.75
1.00MM	2-H20-IIK-RS1.00
1.50MM	2-H20-IIK-RS1.50

MAIN BEARINGS

STD	2-H20-IIK-MBS
.25MM	2-H20-IIK-MBS.25
.50MM	2-H20-IIK-MBS.50
.75MM	2-H20-IIK-MBS.75
1.00MM	2-H20-IIK-MBS1.00

ROD BEARINGS

STD	2-H20-IIK-RBS
.25MM	2-H20-IIK-RBS.25
.50MM	2-H20-IIK-RBS.50
.75MM	2-H20-IIK-RBS.75

CAM BEARINGS	2-H20-IIK-CBS
TIMING CHAIN	2-H20-IIK-TC
OIL PUMP	2-H20-IIK-OP

O/HAUL GASKET SET	2-H20-IIK-GA
FREEZE PLUGS	2-H20-IIK-FPK

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	2-H20-IIK-IV
EXHAUST VALVE	2-H20-IIK-EV
VALVE SPRING	2-H20-IIK-VS
STEM SEAL	2-H20-IIK-SS
INTAKE GUIDE	2-H20-IIK-IVG
EXHAUST GUIDE	2-H20-IIK-EVG
KEEPER	2-H20-IIK-K
RETAINERS	2-H20-IIK-RET

TIMING COMPONENTS

CRANK SPROCKET	2-H20-IIK-CRSP
CAM SPROCKET	2-H20-IIK-CASP
TENSIONER	2-H20-IIK-TEN

MISCELLANEOUS

CAMSHAFT	2-H20-IIK-CAM
LIFTERS	2-H20-IIK-LIFT
SLEEVE	2-H20-IIK-SL
PTO CHAIN	2-H20-IIK-PTOC
PTO CRANK SPROCKET	2-H20-IIK-PTOCRSP
PTO PUMP SPROCKET	2-H20-IIK-PTOPSP
ROCKER SHAFT	2-H20-IIK-RSH
HEAD GASKET	2-H20-IIK-HGA
HEAD SET	2-H20-IIK-HS
WATER PUMP	2-H20-IIK-WP
CONNECTING ROD	2-H20-IIK-CCR
FRONT SEAL	2-H20-IIK-FS

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NISSAN OVERHAUL KIT WITH OIL PUMP 2-H20-II-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STANDARD	2-H20-II-PIS
.50MM	2-H20-II-PIS.50
.75MM	2-H20-II-PIS.75
1.00MM	2-H20-II-PIS1.00
1.50MM	2-H20-II-PIS1.50

RING SET

STANDARD	2-H20-II-RS
.50MM	2-H20-II-RS.50
.75MM	2-H20-II-RS.75
1.00MM	2-H20-II-RS1.00
1.50MM	2-H20-II-RS1.50

MAIN BEARINGS

STANDARD	2-H20-II-MBS
.25MM	2-H20-II-MBS.25
.50MM	2-H20-II-MBS.50
.75MM	2-H20-II-MBS.75
1.00MM	2-H20-II-MBS1.00

ROD BEARINGS

STANDARD	2-H20-II-RBS
.25MM	2-H20-II-RBS.25
.50MM	2-H20-II-RBS.50
.75MM	2-H20-II-RBS.75
1.00MM	2-H20-II-RBS1.00

CAM BEARINGS	2-H20-II-CBS
TIMING CHAIN	2-H20-II-TC
OIL PUMP	2-H20-II-OP

O/HAUL GASKET SET	2-H20-II-GA
FREEZE PLUGS	2-H20-II-FPK

ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	2-H20-II-IV
EXHAUST VALVE	2-H20-II-EV
VALVE SPRING	2-H20-II-VS
STEM SEAL	2-H20-II-SS
INTAKE VALVE GUIDE	2-H20-II-IVG
EXHAUST VALVE GUIDE	2-H20-II-EVG
KEEPER	2-H20-II-K

TIMING COMPONENTS

CRANK SPROCKET	2-H20-II-CRSP
CAM SPROCKET	2-H20-II-CASP
TENSIONER	2-H20-II-TEN

MISCELLANEOUS

CAMSHAFT	2-H20-II-CAM
LIFTERS	2-H20-II-LIFT
SLEEVE	2-H20-II-SL
PTO CHAIN	2-H20-II-PTOC
PTO CRANK SPROCKET	2-H20-II-PTOCRSP
PTO PUMP SPROCKET	2-H20-II-PTOPSP
ROCKER SHAFT	2-H20-II-RS
HEAD GASKET	2-H20-II-HGA
CONN ROD	2-H20-II-CCR
WATER PUMP	2-H20-II-WP
FRONT SEAL	2-H20-II-FS

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NISSAN OVERHAUL KIT WITH OIL PUMP

2-H25-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STANDARD	2-H25-PIS
.50MM	2-H25-PIS.50
.75MM	2-H25-PIS.75
1.00MM	2-H25-PIS1.00
1.50MM	2-H25-PIS1.50

RING SET

STANDARD	2-H25-RS
.50MM	2-H25-RS.50
.75MM	2-H25-RS.75
1.00MM	2-H25-RS1.00
1.50MM	2-H25-RS1.50

MAIN BEARINGS

STANDARD	2-H25-MBS
.25MM	2-H25-MBS.25
.50MM	2-H25-MBS.50
.75MM	2-H25-MBS.75
1.00MM	2-H25-MBS1.00

ROD BEARINGS

STANDARD	2-H25-RBS
.25MM	2-H25-RBS.25
.50MM	2-H25-RBS.50
.75MM	2-H25-RBS.75
1.00MM	2-H25-RBS1.00

CAM BEARINGS	2-H25-CBS
TIMING CHAIN	2-H25-TC
OIL PUMP	2-H25-OP

O/HAUL GASKET SET	2-H25-GA
FREEZE PLUGS	2-H25-FPK

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	2-H25-IV
EXHAUST VALVE	2-H25-EV
VALVE SPRING	2-H25-VS
STEM SEAL	2-H25-SS
KEEPER	2-H25-K

TIMING COMPONENTS

CRANK SPROCKET	2-H25-CRSP
CAM SPROCKET	2-H25-CASP
TENSIONER	2-H25-TEN

MISCELLANEOUS

CAMSHAFT	2-H25-CAM
LIFTERS	2-H25-LIFT
PTO CHAIN	2-H25-PTOC
CRANKSHAFT	2-H25-CRANK
SLEEVE	2-H25-SL
PTO CRANK SPROCKET	2-H25-PTOCRSP
PTO PUMP SPROCKET	2-H25-PTOPSP
HEAD GASKET	2-H25-HGA
HEAD SET	2-H25-HS
CONN. ROD	2-H25-CCR

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NISSAN ENGINE OVERHAUL KIT WITH OIL PUMP 2-H30-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	2-H30-PIS
.50mm	2-H30-PIS.50
.75mm	2-H30-PIS.75
1.00mm	2-H30-PIS1.00
1.50mm	2-H30-PIS1.50

RING SET

STD	2-H30-RS
.50mm	2-H30-RS.50
.75mm	2-H30-RS.75
1.00mm	2-H30-RS1.00
1.50mm	2-H30-RS1.50

MAIN BEARINGS

STD	2-H30-MBS
.25mm	2-H30-MBS.25
.50mm	2-H30-MBS.50
.75mm	2-H30-MBS.75
1.00mm	2-H30-MBS1.00

ROD BEARINGS

STD	2-H30-RBS
.25mm	2-H30-RBS.25
.50mm	2-H30-RBS.50
.75mm	2-H30-RBS.75
1.00mm	2-H30-RBS1.00

CAM BEARINGS 2-H30-CBS

FREEZE PLUGS 2-H30-FPK

OIL PUMP 2-H30-OP

WITHOUT PTO

TIMING CHAIN 2-H30-TC

PIN BUSHINGS 2-H30-PB

O/HAUL GASKET SET 2-H30-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	2-H30-IV
EXHAUST VALVE	2-H30-EV
VALVE SPRING	2-H30-VS
INTAKE GUIDE	2-H30-IVG
EXHAUST GUIDE	2-H30-EVG
STEM SEALS	2-H30-SS
KEEPERS	2-H30-K
RETAINERS	2-H30-RET

MISCELLANEOUS

SLEEVE	2-H30-SL
LIFTER	2-H30-LIFT
WATER PUMP	2-H30-WP
PTO CHAIN	2-H30-PTOC
CRANK SPROCKET	2-H30-CRSP
CAM SPROCKET	2-H30-CASP
TENSIONER	2-H30-TEN
CAMSHAFT	2-H30-CAM
PTO CRANK GEAR	2-H30-PTOCRG
PTO PUMP GEAR	2-H30-PTOPGR
PTO BEARING	2-H30-PTOBRG
TIMING SEAL	2-H30-TS
FRONT COVER GASKET	2-H30-FCGA
CONN ROD	2-H30-CCR

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NISSAN ENGINE OVERHAUL KIT WITH OIL PUMP 2-J15-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STANDARD	2-J15-PIS
.50mm	2-J15-PIS.50
.75mm	2-J15-PIS.75
1.00mm	2-J15-PIS1.00
1.50mm	2-J15-PIS1.50

RING SET

STANDARD	2-J15-RS
.50mm	2-J15-RS.50
.75mm	2-J15-RS.75
1.00mm	2-J15-RS1.00
1.50mm	2-J15-RS1.50

MAIN BEARINGS

STANDARD	2-J15-MBS
.25mm	2-J15-MBS.25
.50mm	2-J15-MBS.50
.75mm	2-J15-MBS.75
1.00mm	2-J15-MBS1.00

ROD BEARINGS

STANDARD	2-J15-RBS
.25mm	2-J15-RBS.25
.50mm	2-J15-RBS.50
.75mm	2-J15-RBS.75
1.00mm	2-J15-RBS1.00

CAM BEARINGS	2-J15-CBS
FREEZE PLUGS	2-J15-FPK
THRUST WASHER	2-J15-TW S

TIMING CHAIN	2-J15-TC
OIL PUMP	2-J15-OP

WITHOUT PTO	O/HAULGASKETSET	2-J15-GA
FRONT COVER HAS PTO	O/HAUL GASKET SET	2-J15-GAC

ALL ITEMS CAN BE ORDERED SEPARATELY
OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

(WIDE GROOVE VALVE)

INTAKE VALVE	2-J15-IVW
EXHAUST VALVE	2-J15-EVW
KEEPERS	2-J15-K

(NARROW GROOVE VALVE)

INTAKE VALVE	2-J15-IVN
EXHAUST VALVE	2-J15-EVN
KEEPERS	2-J15-KN

VALVE SPRING	2-J15-VS
INTAKE GUIDE	2-J15-IVG
EXHAUST GUIDE	2-J15-EVG

MISCELLANEOUS

CRANK SPROCKET	2-J15-CRSP
CAM SPROCKET	2-J15-CASP
TENSIONER	2-J15-TEN
SLEEVE	2-J15-SL
LIFTER	2-J15-LIFT
CAMSHAFT	2-J15-CAM
HEAD SET	2-J15-HS
PTO CHAIN	2-J15-PTOC
ROCKER ASSY	2-J15-RA
PTO BEARING	2-J15-PTOBRG
CONN ROD	2-J15-CCR
CRANKSHAFT	2-J15-CRANK
CYLINDER HEAD	2-J15-HEAD

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NISSAN ENGINE OVERHAUL KIT WITH OIL PUMP 2-P40-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	2-P40-PIS
.50mm	2-P40-PIS.50
.75mm	2-P40-PIS.75
1.00mm	2-P40-PIS1.00
1.50mm	2-P40-PIS1.50

RING SET

STD	2-P40-RS
.50mm	2-P40-RS.50
.75mm	2-P40-RS.75
1.00mm	2-P40-RS1.00
1.50mm	2-P40-RS1.50

MAIN BEARINGS

STD	2-P40-MBS
.25mm	2-P40-MBS.25
.50mm	2-P40-MBS.50
.75mm	2-P40-MBS.75
1.00mm	2-P40-MBS1.00

ROD BEARINGS

STD	2-P40-RBS
.25mm	2-P40-RBS.25
.50mm	2-P40-RBS.50
.75mm	2-P40-RBS.75
1.00mm	2-P40-RBS1.00

CAM BEARINGS 2-P40-CBS

FREEZE PLUGS 2-P40-FPK

OIL PUMP 2-P40-OP

TIMING CHAIN 2-P40-TC

O/HAUL GASKET SET 2-P40-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	2-P40-IV
EXHAUST VALVE	2-P40-EV
VALVE SPRING	2-P40-VS
INTAKE GUIDE	2-P40-IVG
EXHAUST GUIDE	2-P40-EVG
STEM SEALS	2-P40-SS
KEEPERS	2-P40-K
RETAINERS	2-P40-RET

MISCELLANEOUS

SLEEVE	2-P40-SL
LIFTER	2-P40-LIFT
CRANK SPROCKET	2-P40-CRSP
CAM SPROCKET	2-P40-CASP
TENSIONER	2-P40-TEN
CAM SHAFT	2-P40-CAM

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NISSAN ENGINE OVERHAUL KIT WITH OIL PUMP 2-PPU240-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	2-PPU240-PIS
.50mm	2-PPU240-PIS.50
.75mm	2-PPU240-PIS.75
1.00mm	2-PPU240-PIS1.00
1.50mm	2-PPU240-PIS1.50

RING SET

STD	2-PPU240-RS
.50mm	2-PPU240-RS.50
.75mm	2-PPU240-RS.75
1.00mm	2-PPU240-RS1.00
1.50mm	2-PPU240-RS1.50

MAIN BEARINGS

STD	2-PPU240-MBS
.25mm	2-PPU240-MBS.25
.50mm	2-PPU240-MBS.50
.75mm	2-PPU240-MBS.75
1.00mm	2-PPU240-MBS1.00

ROD BEARINGS

STD	2-PPU240-RBS
.25mm	2-PPU240-RBS.25
.50mm	2-PPU240-RBS.50
.75mm	2-PPU240-RBS.75
1.00mm	2-PPU240-RBS1.00

CAM BEARINGS	2-PPU240-CBS
FREEZE PLUGS	2-PPU240-FPK

OIL PUMP	2-PPU240-OP
O/HAUL GASKET SET	2-PPU240-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

	CYLINDER HEAD PARTS
INTAKE VALVE	2-PPU240-IV
EXHAUST VALVE	2-PPU240-EV
VALVE SPRING	2-PPU240-VS
INTAKE GUIDE	2-PPU240-IVG
EXHAUST GUIDE	2-PPU240-EVG
STEM SEALS	2-PPU240-SS
KEEPERS	2-PPU240-K
RETAINERS	2-PPU240-RET

	MISCELLANEOUS
SLEEVE	2-PPU240-SL
LIFTER	2-PPU240-LIFT
CRANK GEAR	2-PPU240-CRG
CAM GEAR	2-PPU240-CAG
CAM SHAFT	2-PPU240-CAM

NISSAN ENGINE OVERHAUL KIT WITH OIL PUMP 2-SD22-OVKOP / 2-SD22-OVKLOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	2-SD22-PIS
.50mm	2-SD22-PIS.50

RING SET

STD	2-SD22-RS
.50mm	2-SD22-RS.50

MAIN BEARINGS

STD	2-SD22-MBS
.25mm	2-SD22-MBS.25
.50mm	2-SD22-MBS.50
.75mm	2-SD22-MBS.75
1.00mm	2-SD22-MBS1.00

ROD BEARINGS

STD	2-SD22-RBS
.25mm	2-SD22-RBS.25
.50mm	2-SD22-RBS.50
.75mm	2-SD22-RBS.75
1.00mm	2-SD22-RBS1.00

CAM BEARINGS 2-SD22-CBS

FREEZE PLUGS 2-SD22-FPK

OIL PUMP 2-SD22-OP

LINERS 2-SD22-LIN

THRUST WASHERS 2-SD22-TWS

O/HAUL GASKET SET 2-SD22-GA

PIN BUSHINGS 2-SD22-PB

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	2-SD22-IV
EXHAUST VALVE	2-SD22-EV
VALVE SPRING	2-SD22-VS

MISCELLANEOUS

CAM GEAR	2-SD22-CAG
LIFTER	2-SD22-LIFT
CRANK GEAR	2-SD22-CRG
CAMSHAFT	2-SD22-CAM



NISSAN ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 2-SD25-OVKLOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS 2-SD25-PIS
LINERS 2-SD25-LIN
RING SET 2-SD25-RS

MAIN BEARINGS
STD 2-SD25-MBS
.25mm 2-SD25-MBS.25
.50mm 2-SD25-MBS.50
.75mm 2-SD25-MBS.75
1.00mm 2-SD25-MBS1.00

ROD BEARINGS
STD 2-SD25-RBS
.25mm 2-SD25-RBS.25
.50mm 2-SD25-RBS.50
.75mm 2-SD25-RBS.75
1.00mm 2-SD25-RBS1.00

CAM BEARINGS 2-SD25-CBS
FREEZE PLUGS 2-SD25-FPK
OIL PUMP 2-SD25-OP

THRUST WASHERS 2-SD25-TWS
O/HAUL GASKET SET 2-SD25-GA
PIN BUSHINGS 2-SD25-PB

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE 2-SD25-IV
EXHAUST VALVE 2-SD25-EV
VALVE SPRING 2-SD25-VS
INTAKE GUIDE 2-SD25-IVG
EXHAUST GUIDE 2-SD25-EVG

MISCELLANEOUS

CAMSHAFT 2-SD25-CAM
LIFTER 2-SD25-LIFT
CONN ROD 2-SD25-CCR

NISSAN ENGINE OVERHAUL KIT WITH OIL PUMP 2-SD33-OVKOP / 2-SD33-OVKLOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 2-SD33-PIS
.50mm 2-SD33-PIS.50

RING SET

STD 2-SD33-RS
.50mm 2-SD33-RS.50

MAIN BEARINGS

STD 2-SD33-MBS
.25mm 2-SD33-MBS.25
.50mm 2-SD33-MBS.50
.75mm 2-SD33-MBS.75
1.00mm 2-SD33-MBS1.00

ROD BEARINGS

STD 2-SD33-RBS
.25mm 2-SD33-RBS.25
.50mm 2-SD33-RBS.50
.75mm 2-SD33-RBS.75
1.00mm 2-SD33-RBS1.00

CAM BEARINGS 2-SD33-CBS
FREEZE PLUGS 2-SD33-FPK
OIL PUMP 2-SD33-OP
LINERS 2-SD33-LIN

THRUST WASHERS 2-SD33-TWS
O/HAUL GASKET SET 2-SD33-GA
PIN BUSHINGS 2-SD33-PB

ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE 2-SD33-IV
EXHAUST VALVE 2-SD33-EV
VALVE SPRING 2-SD33-VS

MISCELLANEOUS

CAM GEAR 2-SD33-CAG
LIFTER 2-SD33-LIFT
CRANK GEAR 2-SD33-CRG
CAMSHAFT 2-SD33-CAM
CONN ROD 2-SD33-CCR

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NISSAN ENGINE OVERHAUL KIT WITH OIL PUMP 2-Z24-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	2-Z24 -PIS
.50mm	2-Z24-PIS.50
.75mm	2-Z24-PIS.75
1.00mm	2-Z24-PIS1.00
1.50mm	2-Z24-PIS1.50

RING SET

STD	2-Z24-RS
.50mm	2-Z24-RS.50
.75mm	2-Z24-RS.75
1.00mm	2-Z24-RS1.00
1.50mm	2-Z24-RS1.50

MAIN BEARINGS

STD	2-Z24-MBS
.25mm	2-Z24-MBS.25
.50mm	2-Z24-MBS.50
.75mm	2-Z24-MBS.75
1.00mm	2-Z24-MBS1.00

ROD BEARINGS

STD	2-Z24-RBS
.25mm	2-Z24-RBS.25
.50mm	2-Z24-RBS.50
.75mm	2-Z24-RBS.75
1.00mm	2-Z24-RBS1.00

FREEZE PLUGS	2-Z24-FPK
OIL PUMP	2-Z24-OP

O/HAUL GASKET SET	2-Z24-GA
TIMING CHAIN	2-Z24-TC

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	2-Z24-IV
EXHAUST VALVE	2-Z24-EV
INTAKE GUIDE	2-Z24-IVG
EXHAUST GUIDE	2-Z24-EVG
INNER SPRING	2-Z24-IS
OUTER SPRING	2-Z24-OS
CONNECTING ROD KEEPER	2-Z24-CCR
	2-Z24-K

MISCELLANEOUS

CRANK SPROCKET	2-Z24-CRSP
CAM SPROCKET	2-Z24-CASP
TENSIONER	2-Z24-TEN
GUIDE RAIL TENSION SIDE	2-Z24-GRT
GUIDE RAIL SLACK SIDE	2-Z24-GRS
CAMSHAFT	2-Z24-CAM
FRONT SEAL	2-Z24-FS
PTO CHAIN	2-Z24-PTOC

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PEUGEOT ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 202-XN1P-OVKLOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

CYLINDER LINER KIT (PISTON, RINGS, LINER) 202-XN1P-LK

MAIN BEARINGS

STD 202-XN1P-MBS
.30mm 202-XN1P-MBS.30
.50mm 202-XN1P-MBS.50
.80mm 202-XN1P-MBS.80

ROD BEARINGS

STD 202-XN1P-RBS
.30mm 202-XN1P-RBS.30
.50mm 202-XN1P-RBS.50
.80mm 202-XN1P-RBS.80

OIL PUMP 202-XN1P-OP
FREEZE PLUGS 202-XN1P-FPK

PIN BUSHINGS 202-XN1P-PB
THRUST WASHER SET 202-XN1P-TWS
O/HAUL GASKET SET 202-XN1P-GA
TIMING CHAIN 202-XN1P-TC

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

MISCELLANEOUS

MISCELLANEOUS

INTAKE VALVE	202-XN1P-IV
EXHAUST VALVE	202-XN1P-EV
INTAKE GUIDE	202-XN1P-IVG
EXHAUST GUIDE	202-XN1P-EVG
TIMING CHAIN TENSIONER	202-XN1P-TCT
CAMSHAFT	202-XN1P-CAM
RING SET	202-XN1P-RS
VALVE SPRING	202-XN1P-VS
STEM SEAL	202-XN1P-SS
FRONT SEAL	202-XN1P-FS
HEAD SET	202-XN1P-HS
CONN ROD	202-XN1P-CCR
CRANK SPROCKET	202-XN1P-CRSP
CAM SPROCKET	202-XN1P-CASP

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**TOYOTA ENGINE OVERHAUL KIT WITH OIL PUMP
1-2F-OVKOP**

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 1-2F-PIS
.50mm 1-2F-PIS.50
.75mm 1-2F-PIS.75
1.00mm 1-2F-PIS1.00
1.50mm 1-2F-PIS1.50

RING SET

STD 1-2F-RS
.50mm 1-2F-RS.50
.75mm 1-2F-RS.75
1.00mm 1-2F-RS1.00
1.50mm 1-2F-RS1.50

MAIN BEARINGS

STD 1-2F-MBS
.25mm 1-2F-MBS.25
.50mm 1-2F-MBS.50
.75mm 1-2F-MBS.75
1.00mm 1-2F-MBS1.00

ROD BEARINGS

STD 1-2F-RBS
.25mm 1-2F-RBS.25
.50mm 1-2F-RBS.50
.75mm 1-2F-RBS.75
1.00mm 1-2F-RBS1.00

CAM BEARINGS 1-2F-CBS
FREEZE PLUGS 1-2F-FPK

O/HAUL GASKET SET 1-2F-GA
OIL PUMP 1-2F-OP

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS
INTAKE VALVE 1-2F-IV
EXHAUST VALVE 1-2F-EV
VALVE SPRING 1-2F-VS
INTAKE GUIDE 1-2F-IVG
EXHAUST GUIDE 1-2F-EVG

MISCELLANEOUS
CAM GEAR 1-2F-CAG
LIFTER 1-2F-LIFT
CAMSHAFT 1-2F-CAM
CRANK GEAR 1-2F-CRG

TOYOTA ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 1-2J-OVKLOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS 1-2J-PIS
RING SET 1-2J-RS
LINERS 1-2J-LIN

MAIN BEARINGS

STD 1-2J-MBS
.25mm 1-2J-MBS.25
.50mm 1-2J-MBS.50
.75mm 1-2J-MBS.75
1.00mm 1-2J-MBS1.00

ROD BEARINGS

STD 1-2J-RBS
.25mm 1-2J-RBS.25
.50mm 1-2J-RBS.50
.75mm 1-2J-RBS.75
1.00mm 1-2J-RBS1.00

CAM BEARINGS 1-2J-CBS
FREEZE PLUGS 1-2J-FPK
PIN BUSHINGS 1-2J-PB

O/HAUL GASKET SET 1-2J-GA
THRUST WASHER SET 1-2J-TWS
OIL PUMP (EARLY STYLE) 1-2J-OP
OIL PUMP (LATE STYLE) 1-2J-OPL

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

VALVE SPRING 1-2J-VS
INTAKE GUIDE 1-2J-IVG
EXHAUST GUIDE 1-2J-EVG
KEEPER 1-2J-K

(EARLY STYLE)

INTAKE VALVE 1-2J-IV
EXHAUST VALVE 1-2J-EV

(LATE STYLE)

INTAKE VALVE 1-2J-IVL
EXHAUST VALVE 1-2J-EVL

MISCELLANEOUS

LIFTER 1-2J-LIFT

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TOYOTA ENGINE OVERHAUL KIT WITH OIL PUMP 1-2R-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	1-2R-PIS
.50mm	1-2R-PIS.50
.75mm	1-2R-PIS.75
1.00mm	1-2R-PIS1.00
1.50mm	1-2R-PIS1.50

RING SET

STD	1-2R-RS
.50mm	1-2R-RS.50
.75mm	1-2R-RS.75
1.00mm	1-2R-RS1.00
1.50mm	1-2R-RS1.50

MAIN BEARINGS

STD	1-2R-MBS
.25mm	1-2R-MBS.25
.50mm	1-2R-MBS.50
.75mm	1-2R-MBS.75
1.00mm	1-2R-MBS1.00

ROD BEARINGS

STD	1-2R-RBS
.25mm	1-2R-RBS.25
.50mm	1-2R-RBS.50
.75mm	1-2R-RBS.75
1.00mm	1-2R-RBS1.00

CAM BEARINGS 1-2R-CBS

FREEZE PLUGS 1-2R-FPK

OIL PUMP 1-2R-OP

O/HAUL GASKET SET (ROUND PORT) 1-2R-GA

O/HAUL GASKET SET(SQUARE PORT) 1-2R-GA.SQ

THRUST WASHER SET 1-2R-TWS

PIN BUSHINGS 1-2R-PB

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

(ROUND PORT)

INTAKE VALVE	1-2R-IV
EXHAUST VALVE	1-2R-EV
VALVE GUIDE	1-2R-VG

(SQUARE PORT)

INTAKE VALVE	1-2R-IV.SQ
EXHAUST VALVE	1-2R-EV.SQ
VALVE GUIDE	1-2R-VG.SQ
VALVE SPRING	1-2R-VS

MISCELLANEOUS

SLEEVE	1-2R-SL
LIFTER	1-2R-LIFT
CRANK GEAR	1-2R-CRG
CAM GEAR	1-2R-CAG
CAMSHAFT	1-2R-CAM

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TOYOTA ENGINE OVERHAUL KIT WITH OIL PUMP 1-3P-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	1-3P-PIS
.50mm	1-3P-PIS.50
.75mm	1-3P-PIS.75
1.00mm	1-3P-PIS1.00
1.50mm	1-3P-PIS1.50

RING SET

STD	1-3P-RS
.50mm	1-3P-RS.50
.75mm	1-3P-RS.75
1.00mm	1-3P-RS1.00
1.50mm	1-3P-RS1.50

MAIN BEARINGS

STD	1-3P-MBS
.25mm	1-3P-MBS.25
.50mm	1-3P-MBS.50
.75mm	1-3P-MBS.75
1.00mm	1-3P-MBS1.00

ROD BEARINGS

STD	1-3P-RBS
.25mm	1-3P-RBS.25
.50mm	1-3P-RBS.50
.75mm	1-3P-RBS.75
1.00mm	1-3P-RBS1.00

CAM BEARINGS 1-3P-CBS

FREEZE PLUGS 1-3P-FPK

OIL PUMP 1-3P-OP

THRUST WASHER SET 1-3P-TWS

PIN BUSHINGS 1-3P-PB

O/HAUL GASKET SET 1-3P-GA

ALL ITEMS CAN BE ORDERED SEPARATELY OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	1-3P-IV
EXHAUST VALVE	1-3P-EV
VALVE GUIDE	1-3P-VG
VALVE SPRING	1-3P-VS
STEM SEAL	1-3P-SS
KEEPER	1-3P-K

MISCELLANEOUS

SLEEVE	1-3P-SL
LIFTER	1-3P-LIFT
WATER PUMP	1-3P-WP
CRANK GEAR	1-3P-CRG
CAM GEAR	1-3P-CAG
CAMSHAFT	1-3P-CAM

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TOYOTA ENGINE OVERHAUL KIT WITH OIL PUMP 1-4P-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	1-4P-PIS
.50mm	1-4P-PIS.50
.75mm	1-4P-PIS.75
1.00mm	1-4P-PIS1.00
1.50mm	1-4P-PIS1.50

RING SET

STD	1-4P-RS
.50mm	1-4P-RS.50
.75mm	1-4P-RS.75
1.00mm	1-4P-RS1.00
1.50mm	1-4P-RS1.50

MAIN BEARINGS

STD	1-4P-MBS
.25mm	1-4P-MBS.25
.50mm	1-4P-MBS.50
.75mm	1-4P-MBS.75
1.00mm	1-4P-MBS1.00

ROD BEARINGS

STD	1-4P-RBS
.25mm	1-4P-RBS.25
.50mm	1-4P-RBS.50
.75mm	1-4P-RBS.75
1.00mm	1-4P-RBS1.00

CAM BEARINGS 1-4P-CBS

FREEZE PLUGS 1-4P-FPK

OIL PUMP 1-4P-OP

THRUST WASHER SET 1-4P-TWS

PIN BUSHINGS 1-4P-PB

WITHOUT PTO	O/HAUL GASKET SET	1-4P-GA
FRONT COVER HAS PTO	O/HAUL GASKET SET	1-4P-GAC

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS (WITH 1 GROOVE VALVE)

INTAKE VALVE	1-4P-IV
EXHAUST VALVE	1-4P-EV
VALVE GUIDE	1-4P-VG
VALVE SPRING	1-4P-VS
KEEPER	1-4P-K
STEM SEALS	1-4P-SS
RETAINER	1-4P-RET

(WITH 2 GROOVE VALVE)

INTAKE VALVE	1-4P-IV.2G
EXHAUST VALVE	1-4P-EV.2G
VALVE GUIDE	1-4P-VG
VALVE SPRING	1-4P-VS
KEEPER	1-4P-K
RETAINER	1-4P-RET.2G

MISCELLANEOUS

SLEEVE	1-4P-SL
LIFTER	1-4P-LIFT
PUSHROD	1-4P-PUR
CRANK GEAR	1-4P-CRG
CAM GEAR	1-4P-CAG
IDLER GEAR	1-4P-IG
PTO CHAIN	1-4P-PTOC
WATER PUMP	1-4P-WP
HEAD GASKET	1-4P-HGA
CAMSHAFT	1-4P-CAM

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TOYOTA ENGINE OVERHAUL KIT WITH OIL PUMP 1-4Y-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD 1-4Y-PIS
.50mm 1-4Y-PIS.50
.75mm 1-4Y-PIS.75
1.00mm 1-4Y-PIS1.00
1.50mm 1-4Y-PIS1.50

RING SET

STD 1-4Y-RS
.50mm 1-4Y-RS.50
.75mm 1-4Y-RS.75
1.00mm 1-4Y-RS1.00
1.50mm 1-4Y-RS1.50

MAIN BEARINGS

STD 1-4Y-MBS
.25mm 1-4Y-MBS.25
.50mm 1-4Y-MBS.50
.75mm 1-4Y-MBS.75
1.00mm 1-4Y-MBS1.00

ROD BEARINGS

STD 1-4Y-RBS
.25mm 1-4Y-RBS.25
.50mm 1-4Y-RBS.50
.75mm 1-4Y-RBS.75
1.00mm 1-4Y-RBS1.00

CAM BEARINGS 1-4Y-CBS

FREEZE PLUGS 1-4Y-FPK

OIL PUMP 1-4Y-OP

PIN BUSHINGS 1-4Y-PB

THRUST WASHER SET 1-4Y-TWS

TIMING CHAIN 1-4Y-TC

O/HAUL GASKET SET(ALUM FRONT COVER) 1-4Y-GA

O/HAUL GASKET SET(CAST FRONT COVER) 1-4Y-GAC

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

MISCELLANEOUS

INTAKE VALVE 1-4Y-IV
EXHAUST VALVE 1-4Y-EV
VALVE SPRING 1-4Y-VS
EXHAUST GUIDE 1-4Y-EVG
INTAKE GUIDE 1-4Y-IVG
STEM SEALS 1-4Y-SS

TENSIONER 1-4Y-TEN
GUIDE RAIL 1-4Y-GR
CRANK SPROCKET 1-4Y-CRSP
CAM SPROCKET 1-4Y-CASP
CAMSHAFT 1-4Y-CAM
LIFTERS 1-4Y-LIFT
CONNECTOR ROD 1-4Y-CCR
CYLINDER HEAD 1-4Y-HEAD
CONN. ROD 1-4Y-CCR
SLEEVE 1-4Y-SL

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TOYOTA ENGINE OVERHAUL KIT WITH OIL PUMP 1-5P-OVK

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	1-5P-PIS
.50mm	1-5P-PIS.50
1.00mm	1-5P-PIS1.00

RING SET

STD	1-5P-RS
.50mm	1-5P-RS.50
1.00mm	1-5P-RS1.00

MAIN BEARINGS

STD	1-5P-MBS
.25mm	1-5P-MBS.25
.50mm	1-5P-MBS.50
.75mm	1-5P-MBS.75
1.00mm	1-5P-MBS1.00

ROD BEARINGS

STD	1-5P-RBS
.25mm	1-5P-RBS.25
.50mm	1-5P-RBS.50
.75mm	1-5P-RBS.75
1.00mm	1-5P-RBS1.00

CAM BEARINGS 1-5P-CBS

FREEZE PLUGS 1-5P-FPK

PIN BUSHINGS 1-5P-PB

THRUST WASHER SET 1-5P-TWS

O/HAUL GASKET SET 1-5P-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	1-5P-IV
EXHAUST VALVE	1-5P-EV
INTAKE GUIDE	1-5P-IVG
EXHAUST GUIDE	1-5P-EVG
VALVE SPRING	1-5P-VS
KEEPER	1-5P-K

MISCELLANEOUS

LIFTERS	1-5P-LIFT
CAM GEAR	1-5P-CAG
WATER PUMP	1-5P-WP

TOYOTA ENGINE OVERHAUL KIT WITH OIL PUMP 1-5R-E-OVKOP EARLY STYLE – SQUARE PORT

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	1-5R-E-PIS
.50mm	1-5R-E-PIS.50
.75mm	1-5R-E-PIS.75
1.00mm	1-5R-E-PIS1.00
1.50mm	1-5R-E-PIS1.50

RING SET

STD	1-5R-E-RS
.50mm	1-5R-E-RS.50
.75mm	1-5R-E-RS.75
1.00mm	1-5R-E-RS1.00
1.50mm	1-5R-E-RS1.50

MAIN BEARINGS

STD	1-5R-E-MBS
.25mm	1-5R-E-MBS.25
.50mm	1-5R-E-MBS.50
.75mm	1-5R-E-MBS.75
1.00mm	1-5R-E-MBS1.00

ROD BEARINGS

STD	1-5R-E-RBS
.25mm	1-5R-E-RBS.25
.50mm	1-5R-E-RBS.50
.75mm	1-5R-E-RBS.75
1.00mm	1-5R-E-RBS1.00

CAM BEARINGS 1-5R-E-CBS

FREEZE PLUGS 1-5R-E-FPK

OIL PUMP 1-5R-E-OP

THRUST WASHER SET 1-5R-E-TWS

PIN BUSHINGS 1-5R-E-PB

O/HAUL GASKET SET 1-5R-E-GA

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	1-5R-E-IV
EXHAUST VALVE	1-5R-E-EV
INTAKE GUIDE	1-5R-E-IVG
EXHAUST GUIDE	1-5R-E-EVG
VALVE SPRING	1-5R-E-VS
KEEPER	1-5R-E-K
RETAINER	1-5R-E-RET

MISCELLANEOUS

SLEEVE	1-5R-E-SL
LIFTER	1-5R-E-LIFT
HEAD SET	1-5R-E-HS
CRANK GEAR	1-5R-E-CRG
CAM GEAR	1-5R-E-CAG
WATER PUMP	1-5R-E-WP
CAM SHAFT	1-5R-E-CAM

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TOYOTA ENGINE OVERHAUL KIT WITH OIL PUMP 1-5R-M-OVKOP MID STYLE – ROUND PORT WITH FLANGED MAINS

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	1-5R-M-PIS
.50mm	1-5R-M-PIS.50
.75mm	1-5R-M-PIS.75
1.00mm	1-5R-M-PIS1.00
1.50mm	1-5R-M-PIS1.50

RING SET

STD	1-5R-M-RS
.50mm	1-5R-M-RS.50
.75mm	1-5R-M-RS.75
1.00mm	1-5R-M-RS1.00
1.50mm	1-5R-M-RS1.50

MAIN BEARINGS

STD	1-5R-M-MBS
.25mm	1-5R-M-MBS.25
.50mm	1-5R-M-MBS.50
.75mm	1-5R-M-MBS.75
1.00mm	1-5R-M-MBS1.00

ROD BEARINGS

STD	1-5R-M-RBS
.25mm	1-5R-M-RBS.25
.50mm	1-5R-M-RBS.50
.75mm	1-5R-M-RBS.75
1.00mm	1-5R-M-RBS1.00

CAM BEARINGS 1-5R-M-CBS

FREEZE PLUGS 1-5R-M-FPK

Engine has timing chain

Engine has timing gears

OIL PUMP 1-5R-M-OP

PIN BUSHINGS 1-5R-M-PB

O/HAUL GASKET SET 1-5R-M-GATC

O/HAUL GASKET SET 1-5R-M-GATG

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

(WITH 1 GROOVE VALVE)

CYLINDER HEAD PARTS	
INTAKE VALVE	1-5R-M-IV
EXHAUST VALVE	1-5R-M-EV
VALVE GUIDE	1-5R-M-VG
VALVE SPRING	1-5R-M-VS
KEEPER	1-5R-M-K
RETAINER	1-5R-M-RET
STEM SEALS	1-5R-M-SS

(WITH 2 GROOVE VALVE)

INTAKE VALVE	1-5R-M-IV.2G
EXHAUST VALVE	1-5R-M-EV.2G
VALVE GUIDE	1-5R-M-VG
VALVE SPRING	1-5R-M-VS
KEEPER	1-5R-M-K
RETAINER	1-5R-M-RET.2G
STEM SEALS	1-5R-M-SS

MISCELLANEOUS	
SLEEVE	1-5R-M-SL
LIFTER	1-5R-M-LIFT
CAMSHAFT	1-5R-M-CAM
WATER PUMP	1-5R-M-WP
HEAD SET	1-5R-M-HS
CRANK SHAFT	1-5R-CRANK
CONN ROD	1-5R-CCR

(WITH TIMING GEARS)

CRANK GEAR	1-5R-M-CRG
CAM GEAR	1-5R-M-CAG
IDLER GEAR	1-5R-M-IG

(WITH TIMING CHAIN)

CRANK SPROCKET	1-5R-M-CRSP
CAM SPROCKET	1-5R-M-CASP
TIMING CHAIN	1-5R-M-TC
TENSIONER	1-5R-M-TEN

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TOYOTA ENGINE OVERHAUL KIT WITH OIL PUMP 1-5R-L-OVKOP LATE STYLE – ROUND PORT WITH THRUST WASHERS

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

<p>PISTONS</p> <p>STD 1-5R-L-PIS .50mm 1-5R-L-PIS.50 .75mm 1-5R-L-PIS.75 1.00mm 1-5R-L-PIS1.00 1.50mm 1-5R-L-PIS1.50</p> <p>MAIN BEARINGS</p> <p>STD 1-5R-L-MBS .25mm 1-5R-L-MBS.25 .50mm 1-5R-L-MBS.50 .75mm 1-5R-L-MBS.75 1.00mm 1-5R-L-MBS1.00</p> <p>CAM BEARINGS 1-5R-L-CBS OIL PUMP 1-5R-L-OP FREEZE PLUGS 1-5R-L-FPK</p>	<p>RING SET</p> <p>STD 1-5R-L-RS .50mm 1-5R-L-RS.50 .75mm 1-5R-L-RS.75 1.00mm 1-5R-L-RS1.00 1.50mm 1-5R-L-RS1.50</p> <p>ROD BEARINGS</p> <p>STD 1-5R-L-RBS .25mm 1-5R-L-RBS.25 .50mm 1-5R-L-RBS.50 .75mm 1-5R-L-RBS.75 1.00mm 1-5R-L-RBS1.00</p> <p>THRUST WASHERS 1-5R-L-TWS O/HAUL GASKET SET 1-5R-L-GA PIN BUSHINGS 1-5R-L-PB</p>
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**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

MISCELLANEOUS

(WITH 1 GROOVE VALVE)

INTAKE VALVE	1-5R-L-IV
EXHAUST VALVE	1-5R-L-EV
VALVE GUIDE	1-5R-L-VG
VALVE SPRING	1-5R-L-VS
KEEPER	1-5R-L-K
RETAINER	1-5R-L-RET
STEM SEALS	1-5R-L-SS

(WITH 2 GROOVE VALVE)

INTAKE VALVE	1-5R-L-IV.2G
EXHAUST VALVE	1-5R-L-EV.2G
VALVE GUIDE	1-5R-L-VG
VALVE SPRING	1-5R-L-VS
KEEPER	1-5R-L-K
RETAINER	1-5R-L-RET.2G
STEM SEALS	1-5R-L-SS

SLEEVE	1-5R-L-SL
LIFTER	1-5R-L-LIFT
CAMSHAFT	1-5R-L-CAM
WATER PUMP	1-5R-L-WP
CRANK GEAR	1-5R-L-CRG
CAM GEAR	1-5R-L-CAG
IDLER GEAR	1-5R-L-IG
HEAD SET	1-5R-L-HS
CONN ROD	1-5R-L-CCR
CRANKSHAFT	1-5R-L-CRANK

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TOYOTA ENGINE OVERHAUL KIT WITH OIL PUMP 1-F-OVKOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW

SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS

STD	1-F-PIS
.50mm	1-F-PIS.50
.75mm	1-F-PIS.75
1.00mm	1-F-PIS1.00
1.50mm	1-F-PIS1.50

RING SET

STD	1-F-RS
.50mm	1-F-RS.50
.75mm	1-F-RS.75
1.00mm	1-F-RS1.00
1.50mm	1-F-RS1.50

MAIN BEARINGS (EARLY STYLE)

(ENGINE SERIAL # UP TO 500000)

STD	1-F-MBS
.25mm	1-F-MBS.25
.50mm	1-F-MBS.50
.75mm	1-F-MBS.75
1.00mm	1-F-MBS1.00

MAIN BEARINGS (LATE STYLE)

(ENGINE SERIAL # 500001 AND UP)

STD	1-F-MBSL
.25mm	1-F-MBSL.25
.50mm	1-F-MBSL.50
.75mm	1-F-MBSL.75
1.00mm	1-F-MBSL1.00

ROD BEARINGS

STD	1-F-RBS
.25mm	1-F-RBS.25
.50mm	1-F-RBS.50
.75mm	1-F-RBS.75
1.00mm	1-F-RBS1.00

CAM BEARINGS

1-F-CBS

FREEZE PLUGS

1-F-FPK

O/HAUL GASKET SET

1-F-GA

OIL PUMP (EARLY STYLE)

1-F-OP

OIL PUMP (LATE STYLE)

1-F-OPL

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE	1-F-IV
EXHAUST VALVE	1-F-EV
INTAKE GUIDE	1-F-IVG
EXHAUST GUIDE	1-F-EVG
VALVE SPRINGS	1-F-VS

MISCELLANEOUS

LIFTER	1-F-LIFT
CAMSHAFT	1-F-CAM
SLEEVE	1-F-SL
CRANK GEAR	1-F-CRG
CAM GEAR	1-F-CAG

TOYOTA ENGINE OVERHAUL KIT WITH LINERS AND OIL PUMP 1-H-OVKLOP

KIT INCLUDES ALL APPLICABLE PARTS LISTED BELOW
SELECT COMPONENT SIZES REQUIRED FOR YOUR KIT

PISTONS 1-H-PIS
LINERS 1-H-LIN
RING SET 1-H-RS

MAIN BEARINGS
STD 1-H-MBS
.25mm 1-H-MBS.25
.50mm 1-H-MBS.50
.75mm 1-H-MBS.75
1.00mm 1-H-MBS1.00

ROD BEARINGS
STD 1-H-RBS
.25mm 1-H-RBS.25
.50mm 1-H-RBS.50
.75mm 1-H-RBS.75
1.00mm 1-H-RBS1.00

THRUST WASHERS 1-H-TWS
OIL PUMP 1-H-OP
PIN BUSHINGS 1-H-PB

O/HAUL GASKET SET 1-H-GA
FREEZE PLUGS 1-H-FPK

CAM BEARINGS (EARLY UP TO 6/72) 1-H-CBS
CAM BEARINGS (LATE FROM 7/72) 1-H-CBSL

**ALL ITEMS CAN BE ORDERED SEPARATELY
OR**

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

CYLINDER HEAD PARTS

INTAKE VALVE 1-H-IV
EXHAUST VALVE 1-H-EV
INTAKE GUIDE 1-H-IVG
EXHAUST GUIDE 1-H-EVG
VALVE SPRINGS 1-H-VS

MISCELLANEOUS

LIFTER 1-H-LIFT



WAUKESHA ENGINE OVERHAUL KIT WITH LINERS 107-D155G-OVKL

CYLINDER LINER KIT (PISTONS, RINGS, LINER) 107-D155G-LK

MAIN BEARINGS

STD 107-D155G-MBS
.010 107-D155G-MBS01
.020 107-D155G-MBS02
.030 107-D155G-MBS03

CAM BEARINGS 107-D155G-CBS

PIN BUSHINGS 107-D155G-PB

O/HAUL GASKET SET 107-D155G-GA

FREEZE PLUGS 107-D155G-FPK

ROD BEARINGS (1.75 STD)

IF CRANKSHAFT IS 1.75

STD 107-D155G-RBS
.010 107-D155G-RBS01
.020 107-D155G-RBS02
.030 107-D155G-RBS03

ROD BEARINGS (2.00 STD)

IF CRANKSHAFT IS 2.00

STD 107-D155G-RBSA
.010 107-D155G-RBSA1
.020 107-D155G-RBSA2
.030 107-D155G-RBSA3

ROD BEARINGS (2.25 STD)

IF CRANKSHAFT IS 2.25

STD 107-D155G-RBSB
.010 107-D155G-RBSB1
.020 107-D155G-RBSB2
.030 107-D155G-RBSB3

**ALL ITEMS LISTED CAN BE ORDERED SEPARATELY
OR
CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS**

MISCELLANEOUS

INTAKE VALVE 107-D155G-IV
EXHAUST VALVE 107-D155G-EV

INTAKE GUIDE 107-D155G-IVG
EXHAUST GUIDE 107-D155G-EVG

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WAUKESHA ENGINE OVERHAUL KIT WITH LINERS 107-D176G-OVKL

CYLINDER LINER KIT (PISTONS, RINGS, LINER)

107-D176G-LK

MAIN BEARINGS

STD 107-D176G-MBS
.010 107-D176G-MBS01
.020 107-D176G-MBS02
.030 107-D176G-MBS03

CAM BEARINGS

107-D176G-CBS

PIN BUSHINGS

107-D176G-PB

O/HAUL GASKET SET

107-D176G-GA

FREEZE PLUGS

107-D176G-FPK

ROD BEARINGS (1.75 STD)

IF CRANKSHAFT IS 1.75

STD 107-D176G-RBS
.010 107-D176G-RBS01
.020 107-D176G-RBS02
.030 107-D176G-RBS03

ROD BEARINGS (2.00 STD)

IF CRANKSHAFT IS 2.00

STD 107-D176G-RBSA
.010 107-D176G-RBSA1
.020 107-D176G-RBSA2
.030 107-D176G-RBSA3

ROD BEARINGS (2.25 STD)

IF CRANKSHAFT IS 2.25

STD 107-D176G-RBSB
.010 107-D176G-RBSB1
.020 107-D176G-RBSB2
.030 107-D176G-RBSB3

ALL ITEMS LISTED CAN BE ORDERED SEPARATELY

OR

CUSTOMIZE YOUR KIT BY ADDING ANY OF THE FOLLOWING PARTS

MISCELLANEOUS

INTAKE VALVE
EXHAUST VALVE

107-D176G-IV
107-D176G-EV

INTAKE GUIDE
EXHAUST GUIDE

107-D176G-IVG
107-D176G-EVG

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