

## Policies and Warranty

Joseph Industries warrants to the original purchaser, its parts and remanufactured products to be free from defects in material and workmanship. This warranty does not cover failures caused by improper application, improper installation, abuse, misuse, accident, contamination, electrical overload, improper wiring, etc. If a product is determined by Joseph to be defective, Joseph will, at its discretion, repair or replace the product as specified, and therefore not be liable for any other costs or damages.

Remanufactured transmissions and torque converters are warranted to be free from defects for a period of six (6) months or 1000 hours from the date of installation. Remanufactured engines are warranted to be free from defects for a period of twelve (12) months or 1000 hours, with the exception of remanufactured engine cylinder heads, which are warranted for a three (3) month period. Engine and transmission fluid leaks are covered for three (3) months.

New and remanufactured alternators, starters and electric motors are warranted to be free from defects for a period of three (3) months from the date of installation unless otherwise stated.

All other parts including electrical components, i.e. contactors and contact tips, are warranted for a period of three (3) months from date of purchase. Normal wear excepted.

**All warranty periods begin from the original date of installation of original product purchase. A warranty repair or replacement of defective product does not renew or extend the term of the original warranty period.**

This warranty is expressed in lieu of all other obligations or liabilities on its part and Joseph Industries, Inc. neither assumes or authorizes any other person to assume for it any liability in connection with the sale of its products.

For remanufactured engine, transmission and torque converter product only, that is proven to be defective, Joseph will consider reimbursement only for labor costs not including fluids, travel, diagnostic, rental or down time. To be considered, the customer must follow the procedure below and receive written approval from Joseph in advance. Labor costs that are approved will be issued as a credit toward future purchases at a rate not to exceed 50% of the dealer's internal labor rate. Reasonable labor time, not to exceed 15 hours, will be determined by Joseph Industries.

### Warranty Procedure

When a suspected warranty problem occurs, contact Joseph Industries at **888-465-6737** as soon as possible and ask for the Warranty Administrator who will give you further instructions.

**DO NOT repair or disassemble the product without prior authorization by the Joseph Warranty Administrator or you will void the warranty.**

You will be asked to provide details of the problem including:

- Product Description
- Problem Description
- Installation date
- Product Serial Number (engines & transmissions only)
- Verification of purchase
- Verification of internal labor rate

If you are asked to return the part to Joseph for analysis, you will be issued a **Warranty Return Authorization** number that is to be clearly attached to either the part or the shipping container. Failure to do so will delay processing and may result in denial of your claim.

In many cases, especially with engines and transmissions, the problem may be solved without having to return the product or even remove it. If we believe this is possible, we will provide the necessary parts and authorize the necessary labor to replace/repair the failed component according to our labor reimbursement policy. **Joseph, however, must authorize this type of repair, before any work is done.** Once the failed component is analyzed, you will be informed of our findings. If the problem is a failure in material or workmanship, you will be issued credit according to our Limited Warranty. If we believe that the failure was caused by other reasons, you will be contacted by Joseph to explain your alternatives.

All manufacturer's names, numbers, symbols and descriptions are used for reference purposes only, and it is not implied that any part listed is the product of the manufacturer. Copyright 2001-2006 ©, Joseph Industries, Inc., 10039 Aurora-Hudson Road, Streetsboro, Ohio, 44241. Located in Northeast Ohio near Cleveland, Akron, Canton, Youngstown, Warren, Twinsburg, Solon. Phone 330-528-0091. Sales 800-321-9983.

# JOSEPH INDUSTRIES OVERHAUL KIT CATALOG

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**Call Today, 1-800-321-9983**

# OVERHAUL KITS for ALLIS CHALMERS®



**Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals.

**Cam and Lifter Kits include:** camshaft and valve lifters.

**Valve Train Kits include:** intake valves, exhaust valves, valve guides, valve springs, and valve

APPLICATION	ENGINE TYPE	KIT PART NUMBER
G gas	N-62 gas 2.375" bore	Inframe = <b>OK-CONT62IF</b> Major = <b>OK-CONT62M</b>
B, C, CA gas	B-125 gas 3.375" bore	Inframe = <b>OK-AC125IF</b> Major = <b>OK-AC125M</b>
D10 (to s/n 3,501), D12 (to s/n 3,001) gas	G-138 gas 3.50" overbore	Inframe = <b>OK-AC138IF</b> Major = <b>OK-AC138M</b>
D10 (from s/n 3,501), D12 (from s/n 3,001), D14, D15 (to s/n 9,001), 140 gas	G-149 gas 3.50" bore	Inframe = <b>OK-AC149IF</b> Major = <b>OK-AC149M</b>

## OVERHAUL KITS for ALLIS CHALMERS®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
D15 series II ( <i>from s/n 9,001</i> ), 160 gas	G-160 gas 3.625" bore	Inframe = <b>OK-AC160IF</b> Major = <b>OK-AC160M</b>
D15, HD3 diesel	D-175 diesel 3.562" bore	Inframe = <b>OK-AC175IF</b> Major = <b>OK-AC175M</b>
WC, WD gas	G-201 gas 4.125" overbore	Inframe = <b>OK-AC201IF</b> Major = <b>OK-AC201M</b>
WD45 gas	G-226 gas 4.125" overbore	Inframe = <b>OK-AC226IFA</b> Major = <b>OK-AC226MA</b>
WD45 diesel	D-230 diesel 3.562" overbore	Inframe = <b>OK-AC230DIF</b> Major = <b>OK-AC230DM</b>
D17, 170 gas	G-226 gas 4.125" overbore	Inframe = <b>OK-AC226IFB</b> Major = <b>OK-AC226MB</b>
D17 diesel	D-262 diesel 3.562" bore	Inframe = <b>OK-AC262DIF</b> Major = <b>OK-AC262DM</b> Cam & Lifters = <b>CK-AC262D</b>
D19 gas <u>Combines:</u> F, C	G-262 gas 3.562" bore	Inframe = <b>OK-AC262GIF</b> Major = <b>OK-AC262GM</b> Cam & Lifters = <b>CK-AC262G</b>
D19 diesel	D-262 diesel 3.562" bore	Major = <b>OK-AC262TM</b>

# OVERHAUL KITS for ALLIS CHALMERS®

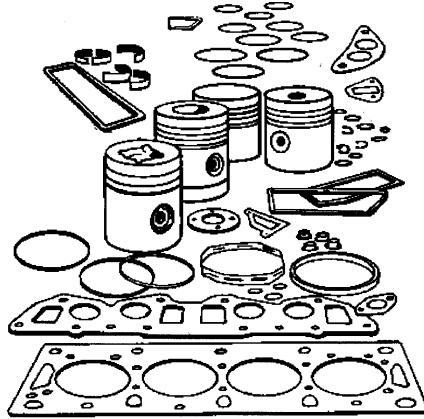
APPLICATION	ENGINE TYPE	KIT PART NUMBER
170 diesel	4.236 diesel 3.875" bore	Inframe = <b>OK-PER236DIF</b> Major = <b>OK-PER236DM</b> Premium = <b>OK-PER236DP</b> Valve Train = <b>VK-PER236248</b>
175 diesel	4.248 diesel 3.978" bore	Inframe = <b>OK-PER248IF</b> Major = <b>OK-PER248M</b> Premium = <b>OK-PER248P</b> Valve Train = <b>VK-PER236248</b>
5040 diesel	143 diesel, 8035.01 3.74" bore	Inframe = <b>OK-FIT143IF</b> Major = <b>OK-FIT143M</b>
5045 all, 5050 (s/n 600,000 to 700,000)	159 diesel, 8035.02 3.937" bore	Inframe = <b>OK-FIT159IF</b> Major = <b>OK-FIT159M</b>
5050 (to s/n 600,000), 5050 (from s/n 700,000)	168 diesel, 8035.04 4.055" bore	Inframe = <b>OK-FIT168IF</b> Major = <b>OK-FIT168M</b>
6060, 6070, 6080 <u>Combines:</u> F2, F3, K2 diesel	433,D2200,200 diesel 3.875" bore	Inframe = <b>OK-AC433TIF</b> Major = <b>OK-AC433TM</b> Cam & Lifters = <b>CK-AC433</b> Valve Train = <b>VK-AC433</b>
180,185,190,190XT, <u>Combines:</u> F, G	649,D2800,D2900,301 diesel 3.875" bore	Inframe = <b>OK-AC649IF</b> Major = <b>OK-AC649M</b> Valve Train = <b>VK-AC649</b>
200,7000,7010,7010 <u>Combines:</u> L, L2, M, M2, M3	649,D2800,D2900,301 diesel 3.875" bore	Inframe = <b>OK-AC649TIF</b> Major = <b>OK-AC649TM</b> Valve Train = <b>VK-AC649</b>

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# OVERHAUL KITS for ALLIS CHALMERS®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
D21,210,220,7030, 7040,7045,7050,7060 diesel	670,D3400,D3500,426 diesel 4.25" bore <b>(1.50" piston pin)</b>	Inframe = <b>OK-AC670IF</b> Major = <b>OK-AC670M</b> Cam & Lifters = <b>CK-AC670</b> Valve Train = <b>VK-AC670</b>
7080,7580,8030, 8050,8070 <u>Combines</u> : N5, N6 diesel	670HI,D3750,426 diesel 4.25" bore <b>(1.75" piston pin)</b>	Inframe = <b>OK-AC670HIF</b> Major = <b>OK-AC670HM</b> Cam & Lifters = <b>CK-AC670</b> Valve Train = <b>VK-AC670</b>

# OVERHAUL KITS for CASE® and CASE/IH®



**Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals.

**Cam and Lifter Kits include:** camshaft and valve lifters.

**Valve Train Kits include:** intake valves, exhaust valves, valve guides, valve springs, and valve keepers.

APPLICATION	ENGINE TYPE	KIT PART NUMBER
VAC gas	124 gas 3.437" overbore	Inframe = <b>OK-CAS124IF</b> Major = <b>OK-CAS124M</b> Valve Train = <b>VK-CAS124</b>
300, 300B, 310, 320 gas (1955 to 1960)	G-148 gas 3.375" bore	Inframe = <b>OK-CAS148IF</b> Major = <b>OK-CAS148M</b> Valve Train = <b>VK-CAS148</b>
430, 440, 470 gas (1961 to 1970)	G-148B gas 3.375" bore	Inframe = <b>OK-CAS148BIF</b> Major = <b>OK-CAS148BM</b>
<i>* please supply old bearing numbers to confirm which engine you have.</i>		
530, 531, 540, 541, 570 gas	G-159 gas 3.50" bore	Inframe = <b>OK-CAS159IF</b> Major = <b>OK-CAS159M</b> Valve Train = <b>VK-CAS159</b>

## OVERHAUL KITS for CASE® and CASE/IH®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
630, 640 gas	G-188B gas 3.8125" bore	Inframe = <b>OK-CAS188GIF</b> Major = <b>OK-CAS188GM</b>
<i>(wide flange sleeve)</i>	G-188D diesel 3.8125" bore	Inframe = <b>OK-CAS188DIFA</b> Major = <b>OK-CAS188DMA</b>
430, 440, 470, 530, 540, 570, 630, 640 diesel	<i>* this cylinder sleeve has a flange diameter of 4.537"</i>	Valve Train = <b>VK-CAS188D</b> Cam & Lifter = <b>CK-CAS188207</b>
<i>(narrow flange sleeve)</i>	G-188D diesel 3.8125" bore	Inframe = <b>OK-CAS188DIFB</b> Major = <b>OK-CAS188DMB</b>
	<i>* this cylinder sleeve has a flange diameter of 4.457"</i>	
<i>(to eng. S/N 2,869,290)</i>	207 diesel 4.00" bore	Inframe = <b>OK-CAS207IFA</b> Major = <b>OK-CAS207MA</b>
450B, 455B, 580C, 580D, 584C, 585C, 586C, W11 diesel		Valve Train = <b>VK-CAS188D</b> Cam & Lifter = <b>CK-CAS188207</b>
<i>(from eng. S/N 2,869,290)</i>	207 diesel 4.00" bore	Inframe = <b>OK-CAS207IFB</b> Major = <b>OK-CAS207MB</b>
400 gas	A-251S gas 4.125" overbore	Inframe = <b>OK-CAS251GIFA</b> Major = <b>OK-CAS251GMA</b>
	<i>* this cylinder sleeve has a flange diameter of 4.997"</i>	
730, 740 gas	A-251S gas 4.125" overbore	Inframe = <b>OK-CAS251GIF</b> Major = <b>OK-CAS251GM</b>
	<i>* this cylinder sleeve has a flange diameter of 4.997"</i>	
400 Super, 730, 740 diesel	A-267D diesel 4.125" bore	Inframe = <b>OK-CAS267IFA</b> Major = <b>OK-CAS267MA</b> Valve Train = <b>VK-CAS267</b>
	<i>* this has a flat top piston with a 1.358" piston pin</i>	



## OVERHAUL KITS for CASE® and CASE/IH®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
770 diesel	267B diesel 4.125" bore <i>* this has a combustion bowl piston with a 1.50" piston pin</i>	Inframe = <b>OK-CAS267IFB</b> Major = <b>OK-CAS267MB</b>
830, 840 diesel	A-301D diesel 4.375" bore <i>* this has a flat top piston with a 1.50" piston pin</i>	Inframe = <b>OK-CAS301IFA</b> Major = <b>OK-CAS301MA</b>
(to engine S/N 2,539,000)	A-336BD diesel 4.625" bore	Inframe = <b>OK-CAS336IF870E</b> Major = <b>OK-CAS336M870E</b> Valve Train = <b>VK-CAS336</b>
870 diesel	<i>* this cylinder sleeve has 2 o-rings and flange diam. of 5.375"</i>	
(from engine S/N 2,539,000)	A-336BD diesel 4.625" bore <i>* this cylinder sleeve has 3 o-rings and flange diam. of 5.415"</i>	Inframe = <b>OK-CAS336IF870L</b> Major = <b>OK-CAS336M870L</b> Valve Train = <b>VK-CAS336</b>
900, 930, 940, 970 gas	A-377S gas 4.125" overbore <i>* this cylinder sleeve has a flange diameter of 4.997"</i>	Inframe = <b>OK-CAS377GIF</b> Major = <b>OK-CAS377GM</b>
930, 940 diesel	A-401D diesel 4.125" bore <i>* this has a flat top piston with a 1.358" piston pin</i>	Inframe = <b>OK-CAS401IFA</b> Major = <b>OK-CAS401MA</b> Cam & Lifters = <b>CK-CAS401</b> Valve Train = <b>VK-CAS401</b>
970 diesel	401B diesel 4.125" bore <i>* this has a combustion bowl piston with a 1.50" piston pin</i>	Inframe = <b>OK-CAS401IFB</b> Major = <b>OK-CAS401MB</b>

## OVERHAUL KITS for CASE® and CASE/IH®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
1030, 1200 diesel	A-451D diesel 4.375" bore <i>* this has a flat top piston with a 1.50" piston pin</i>	Inframe = <b>OK-CAS451IFA</b> Major = <b>OK-CAS451MA</b>
1070, 1090 diesel	A-451BD diesel 4.375" bore <i>* this has a combustion bowl piston with a 1.50" piston pin</i>	Inframe = <b>OK-CAS451IFB</b> Major = <b>OK-CAS451MB</b> Valve Train = <b>VK-CAS451</b>
1170, 1175, 1270 diesel	A-451BDT diesel 4.375" bore <i>* this has a combustion bowl piston with a 1.625" piston pin</i>	Inframe = <b>OK-CAS451TIF</b> Major = <b>OK-CAS451TM</b> Valve Train = <b>VK-CAS451</b>
1370,1470,1570,2390, 2394,2470,2590,2594, 4490, 4494 diesel	A-504BDT diesel 4.625" bore <i>* this piston has a 1.80" piston pin</i>	Inframe = <b>OK-CAS504TIFB</b> Major = <b>OK-CAS504TMB</b> Cam & Lifters = <b>CK-CAS504T</b>
2090, 2094 diesel	A-504BD diesel 4.625" bore <i>* this piston has a 1.625" piston pin</i>	Inframe = <b>OK-CAS504IFA</b> Major = <b>OK-CAS504MA</b>
2290, 2294 diesel	A-504BDT diesel 4.625" bore <i>* this piston has an O.E. part number of A-153323 and 1.625" piston pin</i>	Inframe = <b>OK-CAS504TIFA</b> Major = <b>OK-CAS504TMA</b> Cam & Lifters = <b>CK-CAS504T</b>
2670, 4690 diesel	A-504BDTI diesel 4.625" bore <i>* this piston has an O.E. part number of A-138235 and 1.80" piston pin</i>	Inframe = <b>OK-CAS504TIIF</b> Major = <b>OK-CAS504TIM</b> Cam & Lifters = <b>CK-CAS504T</b>

## OVERHAUL KITS for CASE® and CASE/IH®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
5120, 5220 diesel	4TA390 diesel 4.0165" bore	Inframe = <b>OK-CUM390AIF</b> Major = <b>OK-CUM390AM</b> Cam & Lifters = <b>CK-CUM390</b>
5130, 5230 diesel	6590 diesel 4.0165" bore	Inframe = <b>OK-CUM590IF</b> Major = <b>OK-CUM590M</b> Cam & Lifters = <b>CK-CUM590</b>
5140, 5240, 5250 diesel	6T590 diesel 4.0165" bore	Inframe = <b>OK-CUM590TIF</b> Major = <b>OK-CUM590TM</b> Cam & Lifters = <b>CK-CUM590</b>
7110, 7120, 7130 diesel (to eng. s/n 44,706,125)	6T830 diesel 4.49" bore	Inframe = <b>OK-CUM830TIFA</b> Major = <b>OK-CUM830TMA</b> Cam & Lifters = <b>CK-CUM830</b> Valve Train = <b>VK-CUM830</b>
7110, 7120, 7130 diesel (from eng. s/n 44,706,125) 7210 all, 7220, 7230 diesel (to tractor P.I.N. JJA64,978)	6T830 diesel 4.49" bore	Inframe = <b>OK-CUM830TIFB</b> Major = <b>OK-CUM830TMB</b> Cam & Lifters = <b>CK-CUM830</b> Valve Train = <b>VK-CUM830</b>
7140, 7150 diesel (to eng. s/n 44,706,125)	6T830 diesel 4.49" bore	Inframe = <b>OK-CUM830TIFC</b> Major = <b>OK-CUM830TMC</b> Cam & Lifters = <b>CK-CUM830</b> Valve Train = <b>VK-CUM830</b>
7140, 7150 diesel (from eng. s/n 44,706,125) 7240, 7250 diesel (to tractor P.I.N. JJA64,978)	6T830 diesel 4.49" bore	Inframe = <b>OK-CUM830TIFD</b> Major = <b>OK-CUM830TMD</b> Cam & Lifters = <b>CK-CUM830</b> Valve Train = <b>VK-CUM830</b>

## OVERHAUL KITS for DAVID BROWN®



**Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals.

**Cam and Lifter Kits include:** camshaft and valve lifters.

APPLICATION	ENGINE TYPE	KIT PART NUMBER
770,3800,3810 diesel	AD3/49 diesel 3.9388" bore	Inframe = <b>OK-DB349IF</b> Major = <b>OK-DB349M</b>
780,880,885,1190,1194, 4600 diesel	AD3/55 diesel 3.9388" bore	Inframe = <b>OK-DB355IF</b> Major = <b>OK-DB355M</b> Cam & Lifters = <b>CK-DB355</b>
(with AD4/47 engine)  990 diesel	AD4/47 diesel 3.625" bore	Inframe = <b>OK-DB447IF</b> Major = <b>OK-DB447M</b>
(with AD4/49 engine)	AD4/49 diesel 3.9388" bore	Inframe = <b>OK-DB449IF</b> Major = <b>OK-DB449M</b>

## OVERHAUL KITS for DAVID BROWN®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
995,996,1200,1210,1212, 1290,1294,1390 diesel	AD4/55 diesel 3.9388" bore	Inframe = <b>OK-DB455IF</b> Major = <b>OK-DB455M</b> Cam & Lifters = <b>CK-DB455</b>
1394,1410,1412,1490 1494 diesel	AD4/55T diesel 3.9388" bore	Inframe = <b>OK-DB455TIF</b> Major = <b>OK-DB455TM</b> Cam & Lifters = <b>CK-DB455</b>
1690 diesel *	AD6/55T diesel 3.9388" bore <i>* these kits do not include main bearings</i>	Inframe = <b>OK-DB655TIF</b> Major = <b>OK-DB655TM</b>

# OVERHAUL KITS for DEUTZ®



**Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals.

**Cam and Lifter Kits include:** camshaft and valve lifters.

**Valve Train Kits include:** intake valves, exhaust valves, valve guides, valve springs, and valve keepers.

APPLICATION	ENGINE TYPE	KIT PART NUMBER
6035, D2506, D2807, D3006, D3607 diesel	F2L912 diesel 3.938" bore	Inframe = <b>OK-DTZ115IF</b> Major = <b>OK-DTZ115M</b> Valve Train = <b>VK-DTZ115</b>
6150, 6240, 6250, D4006, D4007, D4506, D4507, D4807, D5006, D5206, D5207, DX3.10, DX3.30 diesel	F3L912 diesel 3.938" bore	Inframe = <b>OK-DTZ172IF</b> Major = <b>OK-DTZ172M</b> Cam & Lifters = <b>CK-DTZ172</b> Valve Train = <b>VK-DTZ172187</b>
6260, D6007, DX3.50 diesel	F3L913 diesel 4.016" bore	Inframe = <b>OK-DTZ187IF</b> Major = <b>OK-DTZ187M</b> Valve Train = <b>VK-DTZ172187</b>

## OVERHAUL KITS for DEUTZ®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
6265, D5506, D6006, D6206, D6207, D6507, D6806, D6807, D7006, D7007, D7206, D7207, DX3.65, DX3.70	F4L912 diesel 3.938" bore	Inframe = <b>OK-DTZ230IF</b> Major = <b>OK-DTZ230M</b> Cam & Lifters = <b>CK-DTZ230</b> Valve Train = <b>VK-DTZ230249</b>
6275, 7085, D7807, DX3.90, DX80 diesel	F4L913 diesel 4.016" bore	Inframe = <b>OK-DTZ249IFA</b> Major = <b>OK-DTZ249MA</b> Valve Train = <b>VK-DT230249</b>
DX4.51, DX4.70, DX4.71 diesel	BF4L913 diesel 4.016" bore	Inframe = <b>OK-DTZ249IFB</b> Major = <b>OK-DTZ249MB</b>
DX85, DX90 diesel	F5L912 diesel 3.938" bore	Inframe = <b>OK-DTZ287IF</b> Major = <b>OK-DTZ287M</b> Cam & Lifters = <b>CK-DTZ287</b> Valve Train = <b>VK-DTZ287</b>
D8006, D9006, D10006, DX110 diesel	F6L912 diesel 3.938" bore	Inframe = <b>OK-DTZ345IFA</b> Major = <b>OK-DTZ345M</b> Cam & Lifters = <b>CK-DTZ345</b> Valve Train = <b>VK-DTZ345374</b>
D13006 diesel	BF6L912 diesel 3.938" bore	Inframe = <b>OK-DTZ345IFB</b> Valve Train = <b>VK-DTZ345374</b>

## OVERHAUL KITS for DEUTZ®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
7110, 7120, 7145, 9130, 9150, DX6.30, DX120, DX130 diesel	F6L913 diesel <i>4.016" bore</i>	Inframe = <b>OK-DTZ374IFA</b> Major = <b>OK-DTZ374MA</b>
DX6.50, DX7.10, DX140, DX160 diesel	BF6L913 diesel <i>4.016" bore</i>	Inframe = <b>OK-DTZ374IFB</b> Major = <b>OK-DTZ374MB</b>



## OVERHAUL KITS for FORD®



**Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals, and piston pin bushings.

**Premium Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals, piston pin bushings, cam bearings, intake and exhaust valves, valve guides (when required), valve springs, and valve keepers.

**Cam and Lifter Kits include:** camshaft and valve lifters.

**Valve Train Kits include:** intake valves, exhaust valves, valve guides (when required), valve springs, and valve keepers.

APPLICATION	ENGINE TYPE	KIT PART NUMBER
<p><i>(thin wall sleeve)</i> <b><i>(.040" thick)</i></b></p> <p>2N, 8N, 9N</p>	<p>120 gas 3.1875" bore</p>	<p>Inframe = <b>OK-FOR120IFA</b> Major = <b>OK-FOR120MA</b> Premium = <b>OK-FOR120PA</b> Cam &amp; Lifters = <b>CK-FOR120</b> Valve Train = <b>VK-FOR120</b></p>
<p><i>(thick wall sleeve)</i> <b><i>(.090" thick)</i></b></p>	<p>120 gas 3.1875" bore</p>	<p>Inframe = <b>OK-FOR120IFB</b> Major = <b>OK-FOR120MB</b> Premium = <b>OK-FOR120PB</b> Cam &amp; Lifters = <b>CK-FOR120</b> Valve Train = <b>VK-FOR120</b></p>

## OVERHAUL KITS for FORD®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
NAA, 600 & 601 series('53-'57), 700 & 701 series('53-'57) gas	134 gas 3.437" bore	Inframe = <b>OK-FOR134IFA</b> Major = <b>OK-FOR134MA</b> Premium = <b>OK-FOR134PA</b> Cam & Lifters = <b>CK-FOR134172</b> Valve Train = <b>VK-FOR134</b>
600 & 601 series('58-'65), 700 & 701 series('58-'65) gas	134 gas 3.437" bore	Inframe = <b>OK-FOR134IFB</b> Major = <b>OK-FOR134MB</b> Premium = <b>OK-FOR134PB</b> Cam & Lifters = <b>CK-FOR134172</b> Valve Train = <b>VK-FOR134</b>
Dexta diesel	144 diesel 3.50" bore	Inframe = <b>OK-PER144IF</b> Major = <b>OK-PER144M</b> Premium = <b>OK-PER144P</b> Cam & Lifters = <b>CK-PER144</b> Valve Train = <b>VK-PER144</b>
Super Dexta diesel	152 diesel 3.60" bore	Inframe = <b>OK-PER152NIFB</b> Major = <b>OK-PER152NMB</b> Premium = <b>OK-PER152NPB</b> Cam & Lifters = <b>CK-PER152</b> Valve Train = <b>VK-PER152N</b>
* <i>this is the non-sleeved kit</i>  800 & 801 series, 900 & 901 series, 4000('62-'64) gas	172 gas 3.90" bore	Inframe = <b>OK-FOR172GNIF</b> Major = <b>OK-FOR172GNM</b> Premium = <b>OK-FOR172GNP</b> Cam & Lifters = <b>CK-FOR134172</b>
* <i>this is the sleeved kit</i>	172 gas 3.90" bore	Inframe = <b>OK-FOR172GSIF</b> Major = <b>OK-FOR172GSM</b> Premium = <b>OK-FOR172GSP</b> Cam & Lifters = <b>CK-FOR134172</b>

® Ford is a registered trademark of Ford Motor Company, Dearborn, Michigan

## OVERHAUL KITS for FORD®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
<p><i>* this is the non-sleeved kit</i></p> <p>801 series, 901 series 4000('58-'64) diesel</p>	<p>172 diesel 3.90" bore</p>	<p>Inframe = <b>OK-FOR172DNIF</b> Major = <b>OK-FOR172DNM</b> Premium = <b>OK-FOR172DNP</b> Valve Train = <b>VK-FOR172D</b></p>
<p><i>* this is the sleeved kit</i></p>	<p>172 diesel 3.90" bore</p>	<p>Inframe = <b>OK-FOR172DSIF</b> Major = <b>OK-FOR172DSM</b> Premium = <b>OK-FOR172DSP</b> Valve Train = <b>VK-FOR172D</b></p>
<p>2000('65-'75), 2100 diesel</p>	<p>158 diesel 4.20" bore</p>	<p>Inframe = <b>OK-FOR158DIFA</b> Major = <b>OK-FOR158DMA</b> Premium = <b>OK-FOR158DPA</b> Cam &amp; Lifters = <b>CK-FOR158201</b> Valve Train = <b>VK-FOR158201</b></p>
<p>2310, 2600, 2810 diesel</p>	<p>158 diesel 4.20" bore</p>	<p>Inframe = <b>OK-FOR158DIFB</b> Major = <b>OK-FOR158DMB</b> Premium = <b>OK-FOR158DPB</b> Cam &amp; Lifters = <b>CK-FOR158201</b> Valve Train = <b>VK-FOR158201</b></p>
<p>2000('65-'75), 2100, 3000, 3100, 3330 gas</p>	<p>158 gas 4.20" bore</p>	<p>Inframe = <b>OK-FOR158GIFA</b> Major = <b>OK-FOR158GMA</b> Premium = <b>OK-FOR158GPA</b> Cam &amp; Lifters = <b>CK-FOR158201</b> Valve Train = <b>VK-FOR158201</b></p>
<p>2110, 2600, 2610 gas</p>	<p>158 gas 4.20" bore</p>	<p>Inframe = <b>OK-FOR158GIFB</b> Major = <b>OK-FOR158GMB</b> Premium = <b>OK-FOR158GPB</b> Cam &amp; Lifters = <b>CK-FOR158201</b> Valve Train = <b>VK-FOR158201</b></p>

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## OVERHAUL KITS for FORD®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
2610, 2910, 3600 diesel	175 diesel 4.20" bore	Inframe = <b>OK-FOR175IFB</b> Major = <b>OK-FOR175MB</b> Premium = <b>OK-FOR175PB</b> Cam & Lifters = <b>CK-FOR158201</b> Valve Train = <b>VK-FOR158201</b>
3000, 3100, 3300, 3310, 3330 diesel	175 diesel 4.20" bore	Inframe = <b>OK-FOR175IFA</b> Major = <b>OK-FOR175MA</b> Premium = <b>OK-FOR175PA</b> Cam & Lifters = <b>CK-FOR158201</b> Valve Train = <b>VK-FOR158201</b>
3230, 3430, 3610, 3910 diesel	192 diesel 4.40" bore	Inframe = <b>OK-FOR192DIF</b> Major = <b>OK-FOR192DM</b> Premium = <b>OK-FOR192DP</b> Cam & Lifters = <b>CK-FOR158201</b> Valve Train = <b>VK-FOR158201</b> <i>* this piston has a compression distance of 2.779"</i>
3830 diesel	165 diesel, 8035.06 3.937" bore	Inframe = <b>OK-FIT165IF</b> Major = <b>OK-FIT165M</b>
4000('65-4/'68) gas	192 gas 4.40" bore	Inframe = <b>OK-FOR192GIFA</b> Major = <b>OK-FOR192GMA</b> Premium = <b>OK-FOR192GPA</b> Cam & Lifters = <b>CK-FOR158201</b> Valve Train = <b>VK-FOR158201</b> <i>* this piston has a compression distance of 2.738"</i>

## OVERHAUL KITS for FORD®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
4000(5/68-'75), 4600, 4610 gas	201 gas 4.40" bore	Inframe = <b>OK-FOR201GIF</b> Major = <b>OK-FOR201GM</b> Premium = <b>OK-FOR201GP</b> Cam & Lifters = <b>CK-FOR158201</b> Valve Train = <b>VK-FOR158201</b> <i>* this piston has a compression distance of 2.52"</i>
4000('65-5/69), 4120, 4330('68-5/69), 4340 ('68-5/69) diesel	201 diesel 4.40" bore	Inframe = <b>OK-FOR201DIFA</b> Major = <b>OK-FOR201DMA</b> Premium = <b>OK-FOR201DPA</b> Cam & Lifters = <b>CK-FOR158201</b> Valve Train = <b>VK-FOR158201</b>
3930, 4000(6/69-'75), 4110, 4130, 4140, 4330(6/69-'75), 4340(6/69-'75),4600, 4610, 4630('89-6/94) diesel	201 diesel 4.40" bore	Inframe = <b>OK-FOR201DIFB</b> Major = <b>OK-FOR201DMB</b> Premium = <b>OK-FOR201DPB</b> Cam & Lifters = <b>CK-FOR158201</b> Valve Train = <b>VK-FOR158201</b>
4230, 4635, 4835 diesel	220 diesel, 8045.06 3.937" bore	Inframe = <b>OK-FIT220IF</b> Major = <b>OK-FIT220M</b>
Major('52-3/57) diesel (to eng. s/n 1,425,097)	220 diesel 3.937" bore	Inframe = <b>OK-FOR220IFA</b> Major = <b>OK-FOR220MA</b>
Power Major(4/57-1/61) diesel (eng. s/n 1,425,097 to 1,591,022)	220 diesel 3.937" bore	Inframe = <b>OK-FOR220IFB</b> Major = <b>OK-FOR220MB</b>
Super Major(2/61-'64) diesel (from eng. s/n 1,591,022)	220 diesel 3.937" bore	Inframe = <b>OK-FOR220IFC</b> Major = <b>OK-FOR220MC</b>

## OVERHAUL KITS for FORD®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
4430, 5635, 6635, 7635 diesel	220 diesel, 8045.06 3.937" bore	Inframe = <b>OK-FIT238IF</b> Major = <b>OK-FIT238M</b>
5000 Super Major('65-3/'68), 5600('75-9/'80) diesel	233 diesel 4.20" bore	Inframe = <b>OK-FOR233IF</b> Major = <b>OK-FOR233M</b> Premium = <b>OK-FOR233P</b> Cam & Lifters = <b>CK-FOR233268</b> Valve Train = <b>VK-FOR233268</b>
4830('89-'93), 5000('68-'75), 5030, 5100, 5600(10/'80-'81), 5610, 5900, 6600('75-9/'80), 6700 diesel	256 diesel 4.40" bore	Inframe = <b>OK-FOR256DIF</b> Major = <b>OK-FOR256DM</b> Premium = <b>OK-FOR256DP</b> Cam & Lifters = <b>CK-FOR233268</b> Valve Train = <b>VK-FOR233268</b>
5000(6/'68-'75), 6600 gas	256 gas 4.40" bore	Inframe = <b>OK-FOR256GIF</b> Major = <b>OK-FOR256GM</b> Premium = <b>OK-FOR256GP</b> Cam & Lifters = <b>CK-FOR233268</b> Valve Train = <b>VK-FOR233268</b>
5640 diesel	268 Genesis diesel 4.40" bore	Inframe = <b>OK-NH268IF</b> Major = <b>OK-NH268M</b>
6000, 6100 gas	223 gas 3.625" bore	Inframe = <b>OK-FOR223IF</b> Major = <b>OK-FOR223M</b> Premium = <b>OK-FOR223P</b> Valve Train = <b>VK-FOR223</b>

## OVERHAUL KITS for FORD®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
6600(10/'80-'81), 6610, 6710 diesel	268 diesel 4.40" bore	Inframe = <b>OK-FOR268IF</b> Major = <b>OK-FOR268M</b> Premium = <b>OK-FOR268P</b> Cam & Lifters = <b>CK-FOR233268</b> Valve Train = <b>VK-FOR233268</b>
6640, 7010 diesel	304 Genesis diesel 4.40" bore	Inframe = <b>OK-NH304IF</b> Major = <b>OK-NH304M</b>
7000, 7100, 7200, 7400, 7600, 7700 diesel	256T diesel 4.40" bore	Inframe = <b>OK-FOR256TIF</b> Major = <b>OK-FOR256TM</b> Premium = <b>OK-FOR256TP</b> Cam & Lifters = <b>CK-FOR233268</b> Valve Train = <b>VK-FOR256268T</b>
7610, 7710 diesel	268T diesel 4.40" bore	Inframe = <b>OK-FOR268TIF</b> Major = <b>OK-FOR268TM</b> Premium = <b>OK-FOR268TP</b> Cam & Lifters = <b>CK-FOR233268</b> Valve Train = <b>VK-FOR256268T</b>
7740 diesel	304T Genesis diesel 4.40" bore	Inframe = <b>OK-NH304TIF</b> Major = <b>OK-NH304TM</b>
7840 diesel	401 Genesis diesel 4.40" bore	Inframe = <b>OK-NH401IF</b> Major = <b>OK-NH401M</b>
7810, 7910, 8000('72-'77), 8210, 8530, 8600('72-'77), 8700, TW5, TW10 diesel	401 diesel 4.40" bore	Inframe = <b>OK-FOR401IF</b> Major = <b>OK-FOR401M</b> Premium = <b>OK-FOR401P</b> Valve Train = <b>VK-FOR401</b>

## OVERHAUL KITS for FORD®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
8010, 8160, 8240, 8260, 8340, 8360, 8560 diesel	456 Genesis diesel <i>4.40" bore</i>	Inframe = <b>OK-NH456IF</b> Major = <b>OK-NH456M</b>
8670, 8770, 8870, 8970 diesel	456T Genesis diesel <i>4.40" bore</i>	Inframe = <b>OK-NH456TIF</b> Major = <b>OK-NH456TM</b>
8630, 8730, 8830, 9000, 9600, 9700, TW15, TW20, TW25, TW30, TW35 diesel	401T diesel <i>4.40" bore</i>	Inframe = <b>OK-FOR401TIF</b> Major = <b>OK-FOR401TM</b> Premium = <b>OK-FOR401TP</b> Valve Train = <b>VK-FOR401T</b>



## OVERHAUL KITS for HESSTON®



**Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals.

APPLICATION	ENGINE TYPE	KIT PART NUMBER
420 diesel	143 diesel, 8035.01 <i>3.74" bore</i>	Inframe = <b>OK-FIT143IF</b> Major = <b>OK-FIT143M</b>
466 diesel	159 diesel, 8035.02 <i>3.937" bore</i>	Inframe = <b>OK-FIT159IF</b> Major = <b>OK-FIT159M</b>
45-66, 55-46, 55-56, 55-66, 55-76, 55-86 diesel	165 diesel, 8035.06 <i>3.937" bore</i>	Inframe = <b>OK-FIT165IF</b> Major = <b>OK-FIT165M</b>
566, 580 diesel	168 diesel, 8035.04 <i>4.055" bore</i>	Inframe = <b>OK-FIT168IF</b> Major = <b>OK-FIT168M</b>
60-66, 60-76, 60-90 diesel	179 diesel, 8035.05 <i>4.094" bore</i>	Inframe = <b>OK-FIT179IF</b> Major = <b>OK-FIT179M</b>

## OVERHAUL KITS for HESSTON®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
640, 666, 680 diesel	211 diesel, 8045.02 <i>3.937" bore</i>	Inframe = <b>OK-FIT211IF</b> Major = <b>OK-FIT211M</b>
65-46, 65-56, 70-66, 70-76, 70-90 diesel	220 diesel, 8045.06 <i>3.937" bore</i>	Inframe = <b>OK-FIT220IF</b> Major = <b>OK-FIT220M</b>
766, 780 diesel	224 diesel, 8045.04 <i>4.055" bore</i>	Inframe = <b>OK-FIT224IF</b> Major = <b>OK-FIT224M</b>
80-66, 80-76, 80-90, 82-86, 82-94 diesel	238 diesel, 8045.05 <i>4.094" bore</i>	Inframe = <b>OK-FIT238IF</b> Major = <b>OK-FIT238M</b>
880-5 diesel	280 diesel, 8055.04 <i>4.055" bore</i>	Inframe = <b>OK-FIT280IF</b> Major = <b>OK-FIT280M</b>
90-90 diesel	298 diesel, 8055.05 <i>4.094" bore</i>	Inframe = <b>OK-FIT298IF</b> Major = <b>OK-FIT298M</b>
980 diesel	316 diesel, 8065.02 <i>3.937" bore</i>	Inframe = <b>OK-FIT316IF</b> Major = <b>OK-FIT316M</b>
100-90 diesel	331 diesel, 8065.06 <i>3.937" bore</i>	Inframe = <b>OK-FIT331IF</b> Major = <b>OK-FIT331M</b>
1180 diesel	358 diesel, 8065.05 <i>4.094" bore</i>	Inframe = <b>OK-FIT358IF</b> Major = <b>OK-FIT358M</b>

## OVERHAUL KITS for HESSTON®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
130-90, 140-90 diesel	358T diesel, 8065.25 <i>4.094" bore</i>	Inframe = <b>OK-FIT358TIF</b> Major = <b>OK-FIT358TM</b>
160-90, 180-90, 1580, 1880 diesel *	494T diesel, 8365.25 <i>4.527" bore</i> <i>* these kits do not include main bearings</i>	Inframe = <b>OK-FIT494TIF</b> Major = <b>OK-FIT494TM</b>

# OVERHAUL KITS for INTERNATIONAL®




**Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals.

**Cam and Lifter Kits include:** camshaft and valve lifters.

**Valve Train Kits include:** intake valves, exhaust valves, valve guides, valve springs, and valve keepers.

APPLICATION	ENGINE TYPE	KIT PART NUMBER
<b><u>Red Power Overhaul Kits</u></b>		
 <p>All of the overhaul kits listed in the International® section are Red Power overhaul kits. Red Power is a line of engine parts specializing in International® only. Please call for more information about this complete and comprehensive line of new and remanufactured engine parts.</p>		
(to S/N 264,567)	C-60 gas 2.625" bore	Inframe = <b>OK-C60IF</b> Major = <b>OK-C60M</b> * <i>this overhaul kit contains a flat top piston</i> Valve Train = <b>VK-60</b>
Cub, Cub loby, Cub 154 & 184 loby		
(from S/N 264,567)	C-60 gas 2.625" bore	Inframe = <b>OK-C60IF154</b> Major = <b>OK-C60M154</b> * <i>this overhaul kit contains a dome top piston</i>

# OVERHAUL KITS for INTERNATIONAL®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
<i>(fire crater piston)</i>	C-113 & C-123 gas 3.125" bore	Inframe = <b>OK-113IF330A</b> Major = <b>OK-113M330A</b> <i>* this cylinder sleeve has a lower O.D. of 3.30"</i>
<i>(flat top piston)</i>	C-113 & C-123 gas 3.125" bore	Inframe = <b>OK-113IF330B</b> Major = <b>OK-113M330B</b> <i>* this cylinder sleeve has a lower O.D. of 3.30"</i>
A, B, C, Super A, Super C, 100, 130, 140, 200, 230, 240	C-113 & C-123 gas 3.125" bore	Inframe = <b>OK-113IF343A</b> Major = <b>OK-113M343A</b> <i>* this cylinder sleeve has a lower O.D. of 3.43"</i>
<i>(fire crater piston)</i>	C-113 & C-123 gas 3.250" bore	Inframe = <b>OK-113IF343B</b> Major = <b>OK-113M343B</b> <i>* this cylinder sleeve has a lower O.D. of 3.43"</i>
<i>(flat top piston)</i>	C-113 & C-123 gas 3.250" bore	Inframe = <b>OK-113IF343B</b> Major = <b>OK-113M343B</b> <i>* this cylinder sleeve has a lower O.D. of 3.43"</i>
Farmall H		
	C-152 gas 3.437" overbore	Inframe = <b>OK-152IF</b> Major = <b>OK-152M</b> <i>* this overhaul kit contains a fire crater piston</i>
Farmall Super H		
	C-164 gas 3.563" overbore	Inframe = <b>OK-164IF</b> Major = <b>OK-164M</b> <i>* this overhaul kit contains a fire crater piston</i>
Farmall M gas		
<i>(to eng. s/n 278,049)</i>	C-248 gas 4.00" overbore	Inframe = <b>OK-248IFA</b> Major = <b>OK-248MA</b> <i>* these overhaul kits contain a fire crater piston</i>
<i>(from eng. s/n 278,049)</i>	C-248 gas 4.00" overbore	Inframe = <b>OK-248IFB</b> Major = <b>OK-248MB</b>
Farmall Super M gas		
	C-264 gas 4.125" overbore	Inframe = <b>OK-264IF</b> Major = <b>OK-264M</b> <i>* this overhaul kit contains a step head piston, w/1.312" piston pin</i>

# OVERHAUL KITS for INTERNATIONAL®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
300, 350 gas	C-169 & C-175 gas 3.625" bore <i>* contains a fire crater piston with .875" piston pin</i>	Inframe = <b>OK-169IF</b> Major = <b>OK-169M</b> Valve Train = <b>VK-169175</b>
330, 340 gas <i>(to eng. s/n 100,500)</i>	C-135 gas 3.25" bore	Inframe = <b>OK-135IF330</b> Major = <b>OK-135M330</b> Valve Train = <b>VK-135153</b>
404, 2404 gas <i>(from eng. s/n 100,500)</i>	C-135 gas 3.25" bore	Inframe = <b>OK-135IF404</b> Major = <b>OK-135M404</b>
B275, 354 diesel	BD-144 diesel 3.375" bore	Inframe = <b>OK-144DIF</b> Major = <b>OK-144DM</b>
B275, B414, 354, 364, 3414, 3444 gas	C-144 gas 3.375" bore	Inframe = <b>OK-144GIF</b> Major = <b>OK-144GM</b>
<i>(to eng. s/n 57,679)</i>	BD-154 diesel 3.50" bore <i>* 4.004" sleeve flange diameter</i>	Inframe = <b>OK-154IFA</b> Major = <b>OK-154MA</b>
B414, B434, 364, 384, 424, 444, 2424, 2444, 3414, 3444 diesel <i>(from eng. s/n 57,679)</i>	BD-154 diesel 3.50" bore <i>* 3.996" sleeve flange diameter</i>	Inframe = <b>OK-154IFB</b> Major = <b>OK-154MB</b>
385, 395, 500C, 500E diesel	D-155 diesel 3.875" bore	Inframe = <b>OK-155IFHC</b> Major = <b>OK-155MHC</b> Valve Train = <b>VK-155179</b>

## OVERHAUL KITS for INTERNATIONAL®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
400, 450 gas  <i>* this overhaul kit contains a fire crater piston, w/1.00" piston pin</i>	C-281 gas 4.125" bore	Inframe = <b>OK-281IF</b> Major = <b>OK-281M</b>
424, 2424 gas	C-146 gas 3.375" bore	Inframe = <b>OK-146IF</b> Major = <b>OK-146M</b> Valve Train = <b>VK-135153</b>
444, 504, 2444, 2504 gas	C-153 gas 3.375" bore	Inframe = <b>OK-153IF</b> Major = <b>OK-153M</b> Valve Train = <b>VK-135153</b>
454, 2400A, 2400B, 2405B, 2410B gas	C-157 gas 3.375" bore	Inframe = <b>OK-157IF</b> Major = <b>OK-157M</b> Valve Train = <b>VK-157200</b>
464, 3514 gas	C-175 gas (non-sleeved engine) 3.562" bore	Inframe = <b>OK-175IF</b> Major = <b>OK-175M</b>
454, 464, 484, 485, 495 2400A, 2400B diesel	D-179 diesel 3.875" bore	Inframe = <b>OK-179IFHC</b> Major = <b>OK-179MHC</b> Valve Train = <b>VK-155179</b>
460 gas	C-221 gas 3.562" bore	Inframe = <b>OK-221IF460</b> Major = <b>OK-221M460</b> Reman. Cam & Lifters = <b>CK-221301</b> New Cam & Lifters = <b>CK-221301B</b> Valve Train = <b>VK-221</b>  <i>* this overhaul kit contains a step head piston</i>

## OVERHAUL KITS for INTERNATIONAL®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
(eng. s/n 5,611 to 16,620)  460, 606, 3616 diesel	D-236 diesel 3.687" bore <i>* 4.165" sleeve flange diameter</i>	Inframe = <b>OK-236IF460</b> Major = <b>OK-236M460</b>
(from eng. S/N 16,620)	D-236 diesel 3.687" bore	Inframe = <b>OK-236IF606</b> Major = <b>OK-236M606</b> <i>* 3.873" sleeve flange diameter</i>
(to eng. S/N 12,092)  504, 2504, 3514 diesel	D-188 diesel 3.687" bore <i>* 4.165" sleeve flange diameter</i>	Inframe = <b>OK-188IFA</b> Major = <b>OK-188MA</b> Valve Train = <b>VK-188</b>
(from eng. S/N 12,092)	D-188 diesel 3.687" bore	Inframe = <b>OK-188IFB</b> Major = <b>OK-188MB</b> <i>* 3.873" sleeve flange diameter</i>
544, 574, 674 gas	C-200 gas 3.8125" bore	Inframe = <b>OK-200IF</b> Major = <b>OK-200M</b> Valve Train = <b>VK-157200</b>
544, 574, 664, 674, 684, 685, 695 diesel	D-239 diesel 3.875" bore	Inframe = <b>OK-239IFHC</b> Major = <b>OK-239MHC</b> Valve Train = <b>VK-206268</b>
560, 660 gas	C-263 gas 3.562" bore <i>* this overhaul kit contains a step head piston</i>	Inframe = <b>OK-263IF560</b> Major = <b>OK-263M560</b>
560, 656, 660, 706 gas	C-263 gas 3.562" bore <i>* this overhaul kit contains a fire crater piston</i>	Inframe = <b>OK-263IF</b> Major = <b>OK-263M</b>
560, 656, 660, 706 gas		Reman. Cam & Lifters = <b>CK-221301</b> New Cam & Lifters = <b>CK-221301B</b> Valve Train = <b>VK263</b>



## OVERHAUL KITS for INTERNATIONAL®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
(overhaul kits to eng. S/N 71,777) (valve train kit to eng. S/N 40,698) 560, 656, 660, 706 diesel	D-282 diesel 3.687" bore	Inframe = <b>OK-282IF560</b> Major = <b>OK-282M560</b> Valve Train = <b>VK-282EARLY</b> * <b>4.165" sleeve flange diameter</b>
(overhaul kits from eng. S/N 71,777) (valve train kit from eng. S/N 40,698)	D-282 diesel 3.687" bore	Inframe = <b>OK-282IF706</b> Major = <b>OK-282M706</b> Valve Train = <b>VK-282LATE</b> * <b>3.873" sleeve flange diameter</b>
584, 585, 595, 2500, 2500A, 2500B diesel	D-206 diesel 3.875" bore	Inframe = <b>OK-206IFHC</b> Major = <b>OK-206MHC</b> Valve Train = <b>VK-206268</b>
606 gas	C-221 gas 3.562" bore	Inframe = <b>OK-221IF606</b> Major = <b>OK-221M606</b> * <b>this overhaul kit contains a fire crater piston</b> Reman. Cam & Lifters = <b>CK-221301</b> New Cam & Lifters = <b>CK-221301B</b> Valve Train = <b>VK221</b>
666, 686, 706, 756, 766 gas	C-291 gas 3.75" bore	Inframe = <b>OK-291IF</b> Major = <b>OK-291M</b> Reman. Cam & Lifters = <b>CK-221301</b> New Cam & Lifters = <b>CK-221301B</b> Valve Train = <b>VK291</b>
666, 686, Hydro 70, Hydro 86 diesel	D-312 diesel 3.875" bore	Inframe = <b>OK-312IF</b> Major = <b>OK-312M</b> Valve Train = <b>VK-312360</b>

## OVERHAUL KITS for INTERNATIONAL®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
686, 706, 756, Hydro 86 diesel	D-310 diesel 3.875" bore	Inframe = <b>OK-310IFHC</b> Major = <b>OK-310MHC</b> Valve Train = <b>VK-310358</b>
784, 785 diesel	D-246 diesel 3.935" bore	Inframe = <b>OK-246IF</b> Major = <b>OK-246M</b> Valve Train = <b>VK-206268</b>
766, 826, 886 diesel	D-360 diesel 3.875" bore	Inframe = <b>OK-360IF</b> Major = <b>OK-360M</b> Cam & Lifters = <b>CK-360</b> Valve Train = <b>VK-312360</b>
786, 826, 886, 3088, 3288 diesel	D-358 diesel 3.875" bore	Inframe = <b>OK-358IFHC</b> Major = <b>OK-358MHC</b> Valve Train = <b>VK-310358</b>
806, 826, 856 gas	C-301 gas 3.8125" bore	Inframe = <b>OK-301IF</b> Major = <b>OK-301M</b> Reman. Cam & Lifters = <b>CK-221301</b> New Cam & Lifters = <b>CK-221301B</b> Valve Train = <b>VK301</b>
806 diesel	D-361 diesel 4.125" bore	Inframe = <b>OK-361IF</b> Major = <b>OK-361M</b> Valve Train = <b>VK-361407</b>
856, 1026, 1256 diesel	D-407, DT-407 diesel 4.321" bore	Inframe = <b>OK-407IF</b> Major = <b>OK-407M</b> Valve Train = <b>VK-361407</b>  <i>* this piston has a 1.50" piston pin</i>

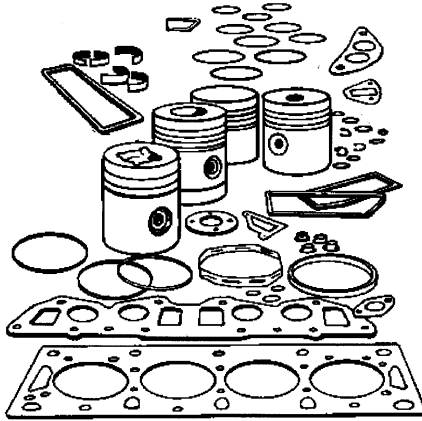
# OVERHAUL KITS for INTERNATIONAL®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
884, 885, 895, 995 diesel	D-268 diesel 3.875" bore	Inframe = <b>OK-268IF</b> Major = <b>OK-268M</b> Valve Train = <b>VK-206268</b>
966 diesel	D-414 diesel 4.30" bore	Inframe = <b>OK-414IF</b> Major = <b>OK-414M</b> Cam & .994" Lifters = <b>CK-414466</b> Cam & 1.12" Lifters = <b>CK-414466B</b> Valve Train = <b>VK-414466</b>
986, Hydro 100, Hydro 186, 3688 diesel	D-436 diesel 4.30" bore	Inframe = <b>OK-436IF</b> Major = <b>OK-436M</b> Cam & .994" Lifters = <b>CK-414466</b> Cam & 1.12" Lifters = <b>CK-414466B</b> Valve Train = <b>VK-414466</b>
1066, 1086 diesel	DT-414 diesel 4.30" bore	Inframe = <b>OK-414TIF</b> Major = <b>OK-414TM</b> Cam & .994" Lifters = <b>CK-414466</b> Cam & 1.12" Lifters = <b>CK-414466B</b> Valve Train = <b>VK-414466</b>
1206 diesel	DT-361 diesel 4.125" bore	Inframe = <b>OK-361TIF</b> Major = <b>OK-361TM</b> Valve Train = <b>VK-361407</b>
1456 diesel	DT-407 diesel 4.321" bore	Inframe = <b>OK-407TIF</b> Major = <b>OK-407TM</b> Valve Train = <b>VK-361407</b>  <i>* this piston has a 1.625" piston pin</i>

## OVERHAUL KITS for INTERNATIONAL®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
1466,1486,1566,1586,3388, 3688,4166,4186,5088,6388 diesel	DT-436 diesel 4.30" bore	Inframe = <b>OK-436TIF</b> Major = <b>OK-436TM</b> Cam & .994" Lifters = <b>CK-414466</b> Cam & 1.12" Lifters = <b>CK-414466B</b> Valve Train = <b>VK-414466</b>
4100, 4156 diesel	DT-429 diesel 4.50" bore	Inframe = <b>OK-429TIF</b> Major = <b>OK-429TM</b>
DT466 engine (to eng. s/n 75,000)	DT-466 diesel 4.30" bore	Inframe = <b>OK-466TAIF</b> Major = <b>OK-466TAM</b>
DT466 engine (eng. s/n 76,440 to 532,980)	DT-466 diesel 4.30" bore	Inframe = <b>OK-466TBIF</b> Major = <b>OK-466TBM</b>
DT466 engine (eng. s/n 532,981 to 594,840)	DT-466 diesel 4.30" bore	Inframe = <b>OK-466TCIF</b> Major = <b>OK-466TCM</b>
DT466 engine (eng. s/n 594,841 to 618,495)	DT-466 diesel 4.30" bore	Inframe = <b>OK-466TDIF</b> Major = <b>OK-466TDM</b>
DT466 engine (from eng. s/n 618,496)	DT-466 diesel 4.30" bore	Inframe = <b>OK-466TEIF</b> Major = <b>OK-466TEM</b>
DT466 engine		Cam & .994" Lifters = <b>CK-414466</b> Cam & 1.12" Lifters = <b>CK-414466B</b> Valve Train = <b>VK-414466</b>

# OVERHAUL KITS for JOHN DEERE®



**Gas Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Diesel Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, oil pan gasket set, and connecting rod capscrews.

**Gas Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals.

**Diesel Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals, connecting rod capscrews, cam bearings (when required), balancer shaft bushings (when required), and piston pin bushings.

**Cam and Lifter Kits include:** camshaft and valve lifters.

**Hyper-formance Overhaul Kits include:** Enhanced compression cylinder kits, rod and main bearings with thrusts, full gasket set with front and rear crank seals, connecting rod capscrews, cam bearings, cam plug, and piston pin bushings.

APPLICATION	ENGINE TYPE	KIT PART NUMBER
A (from s/n 584,000)	321 gas 5.50" bore	Inframe = <b>OK-JD321IFA</b> Major = <b>OK-JD321MA</b> <i>* inframe kit does not include main bearings &amp; pan gasket</i> <i>* major kit does not include main bearings &amp; crank seals</i>
B (from s/n 201,000)	190 gas 4.687" bore	Inframe = <b>OK-JD190IFB</b> Major = <b>OK-JD190MB</b> <i>* inframe kit does not include pan gasket, major kit does not include crank seals</i>

## OVERHAUL KITS for JOHN DEERE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
M, MT	100 gas 4.00" bore	Inframe = <b>OK-JD100IFM</b> Major = <b>OK-JD100MM</b>
40, 320, 330 gas	100 gas 4.00" bore	Inframe = <b>OK-JD100IF40</b> Major = <b>OK-JD100M40</b>
50 gas	190 gas 4.687" bore <i>* inframe kit does not include pan gasket</i>	Inframe = <b>OK-JD190IF50</b> Major = <b>OK-JD190M50</b>
60 gas	321 gas 5.50" bore <i>* inframe kit does not include main bearings &amp; pan gasket</i> <i>* major kit does not include main bearings</i>	Inframe = <b>OK-JD321IF60</b> Major = <b>OK-JD321M60</b>
420, 430, 440 gas	113 gas 4.25" bore	Inframe = <b>OK-JD113IF</b> Major = <b>OK-JD113M</b>
520, 530 gas	190 gas 4.687" bore <i>* inframe kit does not include main bearings &amp; pan gasket</i>	Inframe = <b>OK-JD190IF520</b>
620, 630 gas	321 gas 5.50" bore <i>* inframe kit does not include main bearings &amp; pan gasket</i>	Inframe = <b>OK-JD321IF620</b>

## OVERHAUL KITS for JOHN DEERE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
<i>(2 o-ring groove sleeve)</i> 820, 830, 1020 diesel	152 diesel 3.86" bore	Inframe = <b>OK-JD152EIF</b> Major = <b>OK-JD152EM</b>
<i>(No o-ring groove sleeve)</i>	152 diesel 3.86" bore	Inframe = <b>OK-JD152LIF</b> Major = <b>OK-JD152LM</b>
<i>(2 o-ring groove sleeve)</i>  1020 gas	135 gas 3.86" bore	Inframe = <b>OK-JD135IFA</b> Major = <b>OK-JD135MA</b>
<i>(No o-ring groove sleeve)</i>	135 gas 3.86" bore	Inframe = <b>OK-JD135IFB</b> Major = <b>OK-JD135MB</b>
<i>(2 o-ring groove sleeve &amp; piston pin diameter = 1.1875")</i> 1520, 1530 diesel	164 diesel 4.02" bore	Inframe = <b>OK-JD164EIF</b> Major = <b>OK-JD164EM</b>
<i>(No o-ring groove sleeve &amp; piston pin diameter = 1.1875")</i>	164 diesel 4.02" bore	Inframe = <b>OK-JD164MIF</b> Major = <b>OK-JD164MM</b>
1520, 1530 diesel <i>(piston pin diameter = 1.375")</i>	164 diesel 4.02" bore	Inframe = <b>OK-JD164LIF</b> Major = <b>OK-JD164LM</b>
2010, 2010C gas	145 gas 3.625" bore	Inframe = <b>OK-JD145IF</b> Major = <b>OK-JD145M</b>
<i>(2 o-ring groove sleeve)</i>  2020, 2510 gas	180 gas 3.86" bore	Inframe = <b>OK-JD180IFA</b> Major = <b>OK-JD180MA</b>
<i>(No o-ring groove sleeve)</i>	180 gas 3.86" bore	Inframe = <b>OK-JD180IFB</b> Major = <b>OK-JD180MB</b>

## OVERHAUL KITS for JOHN DEERE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
<i>(2 o-ring groove sleeve)</i> 2020, 2510 diesel	202 diesel 3.86" bore	Inframe = <b>OK-JD202DEIF</b> Major = <b>OK-JD202DEM</b> Cam & Lifters = <b>CK-JD202276</b>
<i>(No o-ring groove sleeve)</i>	202 diesel 3.86" bore	Inframe = <b>OK-JD202DLIF</b> Major = <b>OK-JD202DLM</b>
2040, 2150, 2155, 2240, 2255 diesel	179 diesel 4.193" bore	Inframe = <b>OK-JD179IF</b> Major = <b>OK-JD179M</b>
<i>(2 o-ring groove sleeve &amp; piston pin diameter = 1.1875")</i> 2030, 2440, 2520 diesel	219 diesel 4.02" bore	Inframe = <b>OK-JD219EIF</b> Major = <b>OK-JD219EM</b> Cam & Lifters = <b>CK-JD202276</b>
<i>(No o-ring groove sleeve &amp; piston pin diameter = 1.1875")</i>	219 diesel 4.02" bore	Inframe = <b>OK-JD219MIF</b> Major = <b>OK-JD219MM</b> Cam & Lifters = <b>CK-JD202276</b>
2030, 2440, 2520 diesel <i>(piston pin diameter = 1.375")</i>	219 diesel 4.02" bore	Inframe = <b>OK-JD219LIF</b> Major = <b>OK-JD219LM</b>
<i>(2 o-ring groove sleeve)</i>  2520 gas	202 gas 3.86" bore	Inframe = <b>OK-JD202GIFA</b> Major = <b>OK-JD202GMA</b>
<i>(No o-ring groove sleeve)</i>	202 gas 3.86" bore	Inframe = <b>OK-JD202GIFB</b> Major = <b>OK-JD202GMB</b>
2350, 2355, 2550, 2555 diesel	239 diesel 4.193" bore	Inframe = <b>OK-JD239IF</b> Major = <b>OK-JD239M</b> Cam & Lifters = <b>CK-JD202276</b>
2630, 2640 diesel	276 diesel 4.193" bore	Inframe = <b>OK-JD276EIF</b> Major = <b>OK-JD276EM</b> Cam & Lifters = <b>CK-JD202276</b>



## OVERHAUL KITS for JOHN DEERE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
2750, 2755, 2855 diesel	239T diesel 4.193" bore	Inframe = <b>OK-JD239TIF</b> Major = <b>OK-JD239TM</b> Cam & Lifters = <b>CK-JD202276</b>
(2 o-ring groove sleeve & piston pin diameter = 1.1875") 2840, 4030 diesel	329 diesel 4.02" bore	Inframe = <b>OK-JD329EIF</b> Major = <b>OK-JD329EM</b> Cam & Lifters = <b>RE-53884</b>
(No o-ring groove sleeve & piston pin diameter = 1.1875") 2840, 4030 diesel	329 diesel 4.02" bore	Inframe = <b>OK-JD329MIF</b> Major = <b>OK-JD329MM</b> Cam & Lifters = <b>RE-53884</b>
(piston pin diameter = 1.375") 2840, 4030 diesel	329 diesel 4.02" bore	Inframe = <b>OK-JD329LIF</b> Major = <b>OK-JD329LM</b>
2940, 2950, 2955, 3055, 3150, 3155 diesel	359 diesel 4.193" bore	Inframe = <b>OK-JD359IF</b> Major = <b>OK-JD359M</b> Cam & Lifters = <b>RE-53884</b>
3255 diesel	359T diesel 4.193" bore	Inframe = <b>OK-JD359TIF</b> Major = <b>OK-JD359TM</b> Cam & Lifters = <b>RE-53884</b>
3010 gas	201 gas 4.187" overbore <i>* engines with block #R26150,R33190</i>	Inframe = <b>OK-JD201IF</b> Major = <b>OK-JD201M</b>
(to s/n 123,000) 3020 gas	227 gas 4.25" bore <i>* engines w/block #R26070,R33190,R40840,R40900,or R40920</i>	Inframe = <b>OK-JD227IF</b> Major = <b>OK-JD227M</b>
(from s/n 123,000)	241 gas 4.25" bore <i>* block #R40690, head gasket set not included</i>	Inframe = <b>OK-JD241IF</b> Major = <b>OK-JD241M</b>

# OVERHAUL KITS for JOHN DEERE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
3010, 3020 diesel (to s/n 123,000)	270 diesel 4.25" bore	Inframe = <b>OK-JD270EIF</b> Major = <b>OK-JD270EM</b> Hyper-formance = <b>RP-729</b> <i>* except engines w/block #R46350 or R46430</i> (all <b>except</b> block #R46350,R46430) Cam & Lifters = <b>CK-JD270E</b> ( <b>with</b> block #R46350,R46430) Cam & Lifters = <b>NAR-49143</b>
3020 diesel (from s/n 123,000)	270 diesel 4.25" bore	Inframe = <b>OK-JD270LIF</b> Major = <b>OK-JD270LM</b> Hyper-formance = <b>RP-730</b> Cam & Lifters = <b>NAR-44393</b>
4010 gas	301 gas 4.1875" overbore	Inframe = <b>OK-JD301IF</b> Major = <b>OK-JD301M</b>
4020 LP gas	340 LP gas 4.25" bore	Inframe = <b>OK-JD340LPIF</b> Major = <b>OK-JD340LPM</b>
(to s/n 201,000)	341 gas 4.25" bore	Inframe = <b>OK-JD341IF</b> Major = <b>OK-JD341M</b>
4000, 4020 gas (from s/n 201,000)	362 gas 4.25" bore	Inframe = <b>OK-JD362IF</b> Major = <b>OK-JD362M</b>
4010, 4020 diesel (to s/n 215,000)	404 diesel 4.25" bore	Inframe = <b>OK-JD404EIF</b> Major = <b>OK-JD404EM</b> Hyper-formance = <b>RP-731</b> <i>* except engines w/block #R40930</i> (all <b>except</b> block #R40930) Cam & Lifters = <b>CK-JD404E</b> ( <b>with</b> block #R40930) Cam & Lifters = <b>NAR-49145</b>
4000, 4020 diesel (from s/n 215,000)	404 diesel 4.25" bore	Inframe = <b>OK-JD404MIF</b> Major = <b>OK-JD404MM</b> Hyper-formance = <b>RP-732</b> Cam & Lifters = <b>NAR-100386</b>

## OVERHAUL KITS for JOHN DEERE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
(2 o-ring groove sleeve)  4030 gas	303 gas 3.86" bore	Inframe = <b>OK-JD303GIFA</b> Major = <b>OK-JD303GMA</b>
(No o-ring groove sleeve)	303 gas 3.86" bore	Inframe = <b>OK-JD303GIFB</b> Major = <b>OK-JD303GMB</b>
4040, 4230 diesel	404 diesel 4.25" bore	Inframe = <b>OK-JD404LIF</b> Major = <b>OK-JD404LM</b> Hyper-formance = <b>RP-733</b> Cam & Lifters = <b>NAR-100386</b>
4050 diesel	359T diesel 4.193" bore	Inframe = <b>OK-JD359TIF</b> Major = <b>OK-JD359TM</b> Cam & Lifters = <b>RE-53884</b>
4320, 4520, 4620 diesel	404T diesel 4.25" bore	Inframe = <b>OK-JD404TEIF</b> Major = <b>OK-JD404TEM</b> Hyper-formance = <b>RP-734</b> Cam & Lifters = <b>NAR-100385</b>
4240 diesel	466 diesel 4.25" bore	Inframe = <b>OK-JD466IF</b> Major = <b>OK-JD466M</b> Cam & Lifters = <b>NAR-100386</b>
4430, 4630 diesel	404T diesel 4.25" bore	Inframe = <b>OK-JD404TLIF</b> Major = <b>OK-JD404TLM</b> Hyper-formance = <b>RP-735</b> Cam & Lifters = <b>NAR-100385</b>

## OVERHAUL KITS for JOHN DEERE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
4440, 4640, 4840, 8430, 8440 diesel	466T diesel <i>4.56" bore</i>	Inframe = <b>OK-JD466TIFA</b> Major = <b>OK-JD466TMA</b> Hyper-formance = <b>RP-766</b> Cam & Lifters = <b>NAR-100385</b>
4250, 4450, 4650, 4850, 8450 diesel	466T diesel <i>4.56" bore</i>	Inframe = <b>OK-JD466TIFB</b> Major = <b>OK-JD466TMB</b> Hyper-formance = <b>RP-767</b> Cam & Lifters = <b>NAR-100385</b>
4055, 4255, 4455, 4555, 4560, 4755, 4760 diesel	6076T diesel <i>4.56" bore</i>	Inframe = <b>OK-JD6076TIFA</b> Major = <b>OK-JD6076TMA</b> Cam & Lifters = <b>NRG-22421</b>
4955, 4960, 8560 diesel,	6076T diesel <i>4.56" bore</i>	Inframe = <b>OK-JD6076TIFB</b> Major = <b>OK-JD6076TMB</b> Cam & Lifters = <b>NRG-22421</b>
5010 diesel	531 diesel <i>4.75" bore</i>	Inframe = <b>OK-JD531EIF</b> Major = <b>OK-JD531EM</b> Cam & Lifters = <b>CK-JD531619</b>
5020, 6030 diesel	531 diesel <i>4.75" bore</i>	Inframe = <b>OK-JD531LIF</b> Major = <b>OK-JD531LM</b> Cam & Lifters = <b>CK-JD531619</b>
5200, 5300 diesel	179 diesel <i>4.193" bore</i>	Inframe = <b>OK-JD179IF</b> Major = <b>OK-JD179M</b>

## OVERHAUL KITS for JOHN DEERE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
5400 diesel	179T diesel 4.193" bore	Inframe = <b>OK-JD179TIF</b> Major = <b>OK-JD179TM</b>
5410, 5415, 5615 diesel	4045 Powertech 4.193" bore	Inframe = <b>OK-JD4045PIF</b> Major = <b>OK-JD4045PM</b> Cam & Lifters = <b>CK-JD4045P</b>
5500 diesel	239T diesel 4.193" bore	Inframe = <b>OK-JD239TIF</b> Major = <b>OK-JD239TM</b> Cam & Lifters = <b>CK-JD202276</b>
5510, 5715 diesel	4045T Powertech 4.193" bore	Inframe = <b>OK-JD4045PTIFA</b> Major = <b>OK-JD4045PTMA</b> Cam & Lifters = <b>CK-JD4045P</b>
6030 diesel	531TA diesel 4.75" bore	Inframe = <b>OK-JD531TIFA</b> Major = <b>OK-JD531TMA</b> Cam & Lifters = <b>CK-JD531619</b>
6200, 6300 diesel	4039T diesel 4.193" bore	Inframe = <b>OK-JD4039TIF</b> Major = <b>OK-JD4039TM</b>
6210, 6310, 6405, 6410, 6510 diesel	4045T Powertech 4.193" bore	Inframe = <b>OK-JD4045PTIFB</b> Major = <b>OK-JD4045PTMB</b> Cam & Lifters = <b>CK-JD4045P</b>
6400, 6500 diesel	4045T diesel 4.193" bore	Inframe = <b>OK-JD4045TIF</b> Major = <b>OK-JD4045TM</b> Cam & Lifters = <b>CK-JD202276</b>

## OVERHAUL KITS for JOHN DEERE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
7210, 7405, 7410, 7610 diesel	6068T Powertech 4.193" bore	Inframe = <b>OK-JD6068PTIF</b> Major = <b>OK-JD6068PTM</b> Cam & Lifters = <b>CK-JD6068P</b>
7400, 7600 diesel	6068T diesel 4.193" bore	Inframe = <b>OK-JD6068TIF</b> Major = <b>OK-JD6068TM</b> Cam & Lifters = <b>RE-53884</b>
7520 diesel	531TA diesel 4.75" bore	Inframe = <b>OK-JD531TIFB</b> Major = <b>OK-JD531TMB</b> Cam & Lifters = <b>CK-JD531619</b>
7700, 7800, 8100( <i>to s/n 9,999</i> ), 8200( <i>to s/n 9,999</i> ),8300( <i>to s/n 9,999</i> )	6076T diesel 4.56" bore	Inframe = <b>OK-JD6076TIFA</b> Major = <b>OK-JD6076TMA</b> Lifters = <b>CK-JD6081P</b>
8100( <i>from s/n 9,999</i> ), 8200( <i>from s/n 9,999</i> ), 8300( <i>from s/n 9,999</i> ), 8400, 9100	6081T diesel 4.56" bore	Inframe = <b>OK-JD6081TIF</b> Major = <b>OK-JD6081TM</b> Cam & Lifters = <b>CK-JD6081P</b>
7710, 7810, 8110, 8210, 8310, 8410 diesel	6081T Powertech 4.56" bore	Inframe = <b>OK-JD6081PTIF</b> Major = <b>OK-JD6081PTM</b> Cam & Lifters = <b>CK-JD6081P</b>
8630 ( <i>to eng. s/n 33,814</i> )	619T diesel 5.125" bore	Inframe = <b>OK-JD619TIFA</b> Major = <b>OK-JD619TMA</b>
8640 ( <i>eng. s/n 33,814 to 49,060</i> )	619T diesel 5.125" bore	Inframe = <b>OK-JD619TIFB</b> Major = <b>OK-JD619TMB</b>
8650 ( <i>from eng. s/n 49,060</i> )	619T diesel 5.125" bore	Inframe = <b>OK-JD619TIFC</b> Major = <b>OK-JD619TMC</b>
8630, 8640, 8650 diesel		Cam & Lifters = <b>CK-JD531619</b>

# OVERHAUL KITS for MASSEY FERGUSON®



**Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals. The diesel major overhaul kits also include piston pin bushings.

**Premium Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals, piston pin bushings, intake and exhaust valves, valve guides, valve springs, and valve keepers.

**Cam and Lifter Kits include:** camshaft and valve lifters.

**Valve Train Kits include:** intake valves, exhaust valves, valve guides, valve springs, and valve keepers.

APPLICATION	ENGINE TYPE	KIT PART NUMBER
Pony	N62 gas 2.375" bore	Inframe = <b>OK-CONT62IF</b> Major = <b>OK-CONT62M</b>
TO20 gas	Z120 gas 3.25" overbore	Inframe = <b>OK-CONT120IF</b> Major = <b>OK-CONT120M</b>
Massey Harris 22 & 23 gas	F140 gas 3.1875" bore	Inframe = <b>OK-CONT140IF</b> Major = <b>OK-CONT140M</b>
TO30 gas	Z129 gas 3.375" overbore	Inframe = <b>OK-CONT129IF</b> Major = <b>OK-CONT129M</b>
	(single groove exhaust valve)	Valve Train = <b>VK-CONT129134A</b>
	(tapered groove exhaust valve)	Valve Train = <b>VK-CONT129134B</b>

# OVERHAUL KITS for MASSEY FERGUSON®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
Massey Harris 30 gas	F162 gas 3.1875" bore	Inframe = <b>OK-CONT162IF</b> Major = <b>OK-CONT162M</b>
TO35, F40 gas  (single groove exhaust valve) (tapered groove exhaust valve)	Z134 gas 3.375" overbore	Inframe = <b>OK-CONT134IF</b> Major = <b>OK-CONT134M</b> Valve Train = <b>VK-CONT129134A</b> Valve Train = <b>VK-CONT129134B</b>
Massey Harris 44 gas	H260 gas 3.875" bore	Inframe = <b>OK-CONT260IF</b> Major = <b>OK-CONT260M</b>
20, 40, 135, 150 gas (with Perkins gas)	G152 gas 3.60" bore	Inframe = <b>OK-PER152GIF</b> Major = <b>OK-PER152GM</b> Premium = <b>OK-PER152GP</b> Cam & Lifters = <b>CK-PER152</b> Valve Train = <b>VK-PER152G</b>
20, 40, 135, 150, 230, 235, 240, 245, 250 diesel (combustion bowl piston)	D152 diesel 3.60" bore  (30 degree valves) (45 degree valves)	Inframe = <b>OK-PER152DIF</b> Major = <b>OK-PER152DM</b> Premium = <b>OK-PER152DP</b> Cam & Lifters = <b>CK-PER152</b> Valve Train = <b>VK-PER152DA</b> Valve Train = <b>VK-PER152DB</b>
35, 50 gas	Z134 gas 3.375" overbore  (single groove exhaust valve) (tapered groove exhaust valve)	Inframe = <b>OK-CONT134IF</b> Major = <b>OK-CONT134M</b> Valve Train = <b>VK-CONT129134A</b> Valve Train = <b>VK-CONT129134B</b>



# OVERHAUL KITS for MASSEY FERGUSON®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
35, 50 diesel <i>(flat top piston)</i>	152 diesel 3.60" bore	Inframe = <b>OK-PER152NIF*</b> Inframe = <b>OK-PER152NIFB**</b> Major = <b>OK-PER152NM*</b> Major = <b>OK-PER152NMB**</b> Premium = <b>OK-PER152NP*</b> Premium = <b>OK-PER152NPB**</b> Cam & Lifters = <b>CK-PER152</b> Valve Train = <b>VK-PER152N</b>
* <b>contains sleeves with flange thickness = .145"</b> ** <b>contains sleeves with flange thickness = .043"</b>		
30, 65, 165, 302, 304, 3165 diesel <i>(combustion bowl piston)</i>	D203 diesel 3.60" bore  <i>(30 degree valves)</i> <i>(45 degree valves)</i>	Inframe = <b>OK-PER203DIF</b> Major = <b>OK-PER203DM</b> Premium = <b>OK-PER203DP</b> Cam & Lifters = <b>CK-PER203</b> Valve Train = <b>VK-PER203DA</b> Valve Train = <b>VK-PER203DB</b>
65, 165, 3165 gas <i>(with Continental gas)</i>	G176 gas 3.655" overbore	Inframe = <b>OK-CONT176IF</b> Major = <b>OK-CONT176M</b> Valve Train = <b>VK-CONT176</b>
90, Super 90 diesel	300 diesel 4.50" bore	Inframe = <b>OK-PER300IF</b> Major = <b>OK-PER300M</b> Premium = <b>OK-PER300P</b>
130 diesel	107 diesel 3.11" bore	Inframe = <b>OK-PER107IF</b> Major = <b>OK-PER107M</b> Premium = <b>OK-PER107P</b>
135, 150, 230, 235, 245 gas <i>(with Continental gas)</i>	Z145 gas 3.375" bore	Inframe = <b>OK-CONT145IF</b> Major = <b>OK-CONT145M</b> Valve Train = <b>VK-CONT145</b>

# OVERHAUL KITS for MASSEY FERGUSON®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
165, 255 gas <i>(with Perkins gas)</i>	G212 gas 3.875" bore	Inframe = <b>OK-PER212GIF</b> Major = <b>OK-PER212GM</b> Premium = <b>OK-PER212GP</b> Valve Train = <b>VK-PER212236G</b>
174, 175, 180, 184, 255, 265, 274, 362, 374, 375, 384, 670, 3050 diesel	236 diesel 3.875" bore	Inframe = <b>OK-PER236DIF*</b> Inframe = <b>OK-PER236DIFB**</b> Major = <b>OK-PER236DM*</b> Major = <b>OK-PER236DMB**</b> Premium = <b>OK-PER236DP*</b> Premium = <b>OK-PER236DPB**</b> Valve Train = <b>VK-PER236248</b>
<p><i>* contains flanged sleeves w/outside diameter = 4.065", call for pricing on straight sleeves</i></p> <p><i>** contains flanged sleeves, w/outside diameter = 4.10"</i></p>		
175, 180, 265 gas	G236 gas 3.875" bore	Inframe = <b>OK-PER236GIF</b> Major = <b>OK-PER236GM</b> Premium = <b>OK-PER236GP</b> Valve Train = <b>VK-PER212236G</b>
194, 275, 283, 290, 294, 383, 390, 394, 690, 3060 diesel	248 diesel 3.978" bore	Inframe = <b>OK-PER248IF</b> Major = <b>OK-PER248M</b> Premium = <b>OK-PER248P</b> Valve Train = <b>VK-PER236248</b>
<p><i>* this kit contains flanged sleeves, call for pricing on straight sleeves</i></p>		
285, 298, 1080, 1085 diesel	318 diesel 4.50" bore	Inframe = <b>OK-PER318IF</b> Major = <b>OK-PER318M</b> Premium = <b>OK-PER318P</b> Cam & Lifters = <b>CK-PER318</b> Valve Train = <b>VK-PER318</b>

# OVERHAUL KITS for MASSEY FERGUSON®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
390T, 393, 398, 698T, 3070 diesel	T236 diesel 3.875" bore	Inframe = <b>OK-PER236TIF</b> Major = <b>OK-PER236TM</b> Premium = <b>OK-PER236TP</b> Valve Train = <b>VK-PER236T</b>
399, 699, 2640, 2675, 3090, 3505 diesel	354.4 diesel 3.875" bore	Inframe = <b>OK-PER3544IF</b> Major = <b>OK-PER3544M</b> Premium = <b>OK-PER3544P</b> Cam & Lifters = <b>CK-PER3544</b> Valve Train = <b>VK-PER3544</b>
1100 diesel	354.1 diesel 3.875" bore	Inframe = <b>OK-PER354MIF</b> Major = <b>OK-PER354MM</b> Premium = <b>OK-PER354MP</b> Cam & Lifters = <b>CK-PER354</b> Valve Train = <b>VK-PER354</b>
1105, 1130, 1135 diesel	T354.1 diesel 3.875" bore	Inframe = <b>OK-PER354TMIF</b> Major = <b>OK-PER354TMM</b> Premium = <b>OK-PER354TMP</b> Cam & Lifters = <b>CK-PER354T</b> Valve Train = <b>VK-PER354T</b>
1150 diesel	510 diesel 4.25" bore	Inframe = <b>OK-PER510IF</b> Major = <b>OK-PER510M</b> Premium = <b>OK-PER510P</b> Cam & Lifters = <b>CK-PER510540</b> Valve Train = <b>VK-PER510540</b>

# OVERHAUL KITS for MASSEY FERGUSON®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
1155, 2745 diesel	540 diesel 4.25" bore	Inframe = <b>OK-PER540IF</b> Major = <b>OK-PER540M</b> Premium = <b>OK-PER540P</b> Cam & Lifters = <b>CK-PER510540</b> Valve Train = <b>VK-PER510540</b>
2705, 3525, 3545, 3630, 3650 diesel	T354.4 diesel 3.875" bore	Inframe = <b>OK-PER3544TIF</b> Major = <b>OK-PER3544TM</b> Premium = <b>OK-PER3544TP</b> Cam & Lifters = <b>CK-PER3544</b> Valve Train = <b>VK-PER3544</b>
3120, 4263, 6170 diesel	1006.6 diesel 3.937" bore	Inframe = <b>OK-PER365IF</b> Major = <b>OK-PER365M</b> Premium = <b>OK-PER365P</b> Cam & Lifters = <b>CK-PER365</b> Valve Train = <b>VK-PER365</b>
(to eng. s/n 557,976) 3120T, 3140, 3660, 4270, 6180, 8120 diesel	T1006.6 diesel 3.937" bore	Inframe = <b>OK-PER365TIFA</b> Major = <b>OK-PER365TMA</b> Premium = <b>OK-PER365TPA</b> Cam & Lifters = <b>CK-PER365</b>
(from eng. s/n 557,976)	T1006.6 diesel 3.937" bore	Inframe = <b>OK-PER365TIFB</b> Major = <b>OK-PER365TMB</b> Premium = <b>OK-PER365TPB</b> Cam & Lifters = <b>CK-PER365</b>

# OVERHAUL KITS for MASSEY FERGUSON®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
4225, 4235, 6150 diesel	1004.4 diesel 3.937" bore	Inframe = <b>OK-PER244IF</b> Major = <b>OK-PER244M</b> Premium = <b>OK-PER244P</b> Cam & Lifters = <b>CK-PER244</b> Valve Train = <b>VK-PER244</b>
(to eng. s/n 608,300) 4243, 4245, 4253, 4255 diesel	T1004.4 diesel 3.937" bore	Inframe = <b>OK-PER244TIFA</b> Major = <b>OK-PER244TMA</b> Premium = <b>OK-PER244TPA</b> Cam & Lifters = <b>CK-PER244</b>
(from eng. s/n 608,300)	T1004.4 diesel 3.937" bore	Inframe = <b>OK-PER244TIFB</b> Major = <b>OK-PER244TMB</b> Premium = <b>OK-PER244TPB</b> Cam & Lifters = <b>CK-PER244</b>
4800, 4840, 4880 diesel	903 diesel 5.50" bore	Inframe = <b>OK-CUM903IF</b> Major = <b>OK-CUM903M</b> Valve Train = <b>VK-CUM903</b>

# OVERHAUL KITS for MINNEAPOLIS MOLINE®



**Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals.

**Valve Train Kits include:** intake valves, exhaust valves, valve guides, valve springs, and valve keepers.

APPLICATION	ENGINE TYPE	KIT PART NUMBER
Jet Star, Jet Star II, Jet Star III, 4 Star, 445 gas	206 gas 3.625" bore <i>* inframe kit does not include pan gasket</i>	Inframe = <b>OK-MM206GIF</b> Major = <b>OK-MM206GM</b>
G, GB, GTB, GTC gas	403 gas 4.625" bore	Inframe = <b>OK-MM403IF</b> Major = <b>OK-MM403M</b>
G450 diesel	211 diesel, 8045.02 3.937" bore	Inframe = <b>OK-FIT211IF</b> Major = <b>OK-FIT211M</b>
G704, G705, G706, G1000, G1050, G1350 gas	504 gas 4.625" bore	Inframe = <b>OK-MM504GIF</b> Major = <b>OK-MM504GM</b>

# OVERHAUL KITS for MINNEAPOLIS MOLINE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
G750 gas	265 gas <i>3.75" bore</i>	Inframe = <b>OK-WAU265GIF</b> Major = <b>OK-WAU265GM</b>
G750 diesel	283 diesel <i>3.875" bore</i>	Inframe = <b>OK-WAU283DIFB</b> Major = <b>OK-WAU283DMB</b> Valve Train = <b>VK-WAU310D</b>
G850 gas	283 gas <i>3.875" bore</i>	Inframe = <b>OK-WAU283GIFA</b> Major = <b>OK-WAU283GMA</b>
G850 diesel	310 diesel <i>3.875" bore</i>	Inframe = <b>OK-WAU310DIF</b> Major = <b>OK-WAU310DM</b> Valve Train = <b>VK-WAU310D</b>
G940 gas	310 gas <i>3.875" bore</i>	Inframe = <b>OK-WAU310GIF</b> Major = <b>OK-WAU310GM</b>
G940 diesel	310T diesel <i>3.875" bore</i>	Inframe = <b>OK-WAU310TIF</b> Major = <b>OK-WAU310TM</b> Valve Train = <b>VK-WAU310D</b>
M5, M504, M602, M604, M670, M670 Super gas	336 gas <i>4.625" bore</i>	Inframe = <b>OK-MM336GIF</b> Major = <b>OK-MM336GM</b>

# OVERHAUL KITS for OLIVER®



**Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals.

**Premium Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals, piston pin bushings, cam bearings, intake and exhaust valves, valve guides, valve springs, and valve keepers.

**Valve Train Kits include:** intake valves, exhaust valves, valve guides, valve springs, and valve keepers.

**Cam and Lifter Kits include:** camshaft and valve lifters.

APPLICATION	ENGINE TYPE	KIT PART NUMBER
44, 440, Super 44 gas	F140 gas 3.1875" bore	Inframe = <b>OK-CONT140IF</b> Major = <b>OK-CONT140M</b>
55, 550, Super 55 diesel 66, 660, Super 66 diesel	155 diesel 3.625" overbore	Major = <b>OK-WAU155DM</b>
55, 550, Super 55 gas 66, 660, Super 66 gas	155 gas 3.625" overbore 3.75" overbore	Inframe = <b>OK-WAU155GIF</b> Major = <b>OK-WAU155GM</b> Major = <b>OK-WAU155GMHC</b>
77, 770, Super 77 diesel	216 diesel 3.625" overbore	Inframe = <b>OK-WAU216DIF</b> Major = <b>OK-WAU216DM</b>



## OVERHAUL KITS for OLIVER®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
77, Super 77 gas	216 gas 3.625" overbore 3.75" overbore	Inframe = <b>OK-WAU216GIFA</b> Major = <b>OK-WAU216GMA</b> Major = <b>OK-WAU155GMAHC</b>
770 gas	216 gas 3.625" overbore 3.75" overbore	Inframe = <b>OK-WAU216GIFB</b> Major = <b>OK-WAU216GMB</b> Major = <b>OK-WAU155GMBHC</b>
88, 880, Super 88, 1600 diesel	265 diesel 3.75" overbore	Inframe = <b>OK-WAU265DIF</b> Major = <b>OK-WAU265DM</b>
88, Super 88 gas	231 gas 3.75" overbore	Inframe = <b>OK-WAU231GIFA</b> Major = <b>OK-WAU231GMA</b>
880 gas	231 gas 3.75" overbore	Inframe = <b>OK-WAU231GMB</b>
1255 diesel	143 diesel, 8035.01 3.74" bore	Inframe = <b>OK-FIT143IF</b> Major = <b>OK-FIT143M</b>
1265, 1270 diesel	159 diesel, 8035.02 3.937" bore	Inframe = <b>OK-FIT159IF</b> Major = <b>OK-FIT159M</b>
1355 diesel	190 diesel, 8045.01 3.74" bore	Inframe = <b>OK-FIT190IF</b> Major = <b>OK-FIT190M</b>
1365, 1370 diesel	211 diesel, 8045.02 3.937" bore	Inframe = <b>OK-FIT211IF</b> Major = <b>OK-FIT211M</b>

## OVERHAUL KITS for OLIVER®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
1550, 1555 diesel	232 diesel 3.625" bore	Inframe = <b>OK-WAU232DIF</b> Major = <b>OK-WAU232DM</b>
1550, 1555 gas	232 gas 3.625" bore	Inframe = <b>OK-WAU232GIF</b> Major = <b>OK-WAU232GM</b>
1600, 1650, 1655 gas	265 gas 3.75" bore	Inframe = <b>OK-WAU265GIF</b> Major = <b>OK-WAU265GM</b>
1650 diesel (to eng. s/n 187,585)	283 diesel 3.75" bore	Inframe = <b>OK-WAU283DIFA</b> Major = <b>OK-WAU283DMA</b>
1650, 1655 diesel (from eng. s/n 187,585)	283 diesel 3.875" bore	Inframe = <b>OK-WAU283DIFB</b> Major = <b>OK-WAU283DMB</b> Valve Train = <b>VK-WAU310D</b>
1750, 1755 gas	283 gas 3.875" bore	Inframe = <b>OK-WAU283GIFA</b> Major = <b>OK-WAU283GMA</b>
1750, 1755 diesel	310 diesel 3.875" bore	Inframe = <b>OK-WAU310DIF</b> Major = <b>OK-WAU310DM</b> Valve Train = <b>VK-WAU310D</b>
1800 diesel (from eng. s/n 124,396)	283 diesel 3.875" bore	Inframe = <b>OK-WAU283DIFC</b> Major = <b>OK-WAU283DMC</b>

## OVERHAUL KITS for OLIVER®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
1800 gas <i>(from eng. s/n 124,396)</i>	283 gas 3.875" bore	Inframe = <b>OK-WAU283GIFB</b> Major = <b>OK-WAU283GMB</b>
1850 diesel	354.1 diesel 3.875" bore	Inframe = <b>OK-PER354OIF</b> Major = <b>OK-PER354OM</b> Premium = <b>OK-PER354OP</b> Cam & Lifters = <b>CK-PER354</b> Valve Train = <b>VK-PER354</b>
1850, 1855, 1950 gas	310 gas 3.875" bore	Inframe = <b>OK-WAU310GIF</b> Major = <b>OK-WAU310GM</b>
1855, 1950T, 1955 diesel	310T diesel 3.875" bore	Inframe = <b>OK-WAU310TIF</b> Major = <b>OK-WAU310TM</b>
1900, 1950 diesel	4-53 diesel 3.875" bore	Inframe = <b>OK-DET453IF</b> Major = <b>OK-DET453M</b>
2050, 2150 diesel	478 diesel 4.562" bore	Inframe = <b>OK-HER478IF</b> Major = <b>OK-HER478M</b> Cam & Lifters = <b>CK-HER478</b> Valve Train = <b>VK-HER478</b>
2455 gas	504 gas 4.625" bore	Inframe = <b>OK-MM504GIF</b> Major = <b>OK-MM504GM</b>

## OVERHAUL KITS for WHITE®



**Inframe Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, head gasket set, and oil pan gasket set.

**Major Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals.

**Premium Overhaul Kits include:** sleeves and orings (when required), pistons, rings, piston pins and retainers, rod and main bearings with thrusts, full gasket set with front and rear crank seals, piston pin bushings, cam bearings, intake and exhaust valves, valve guides, valve springs, and valve keepers.

**Valve Train Kits include:** intake valves, exhaust valves, valve guides, valve springs, and valve keepers.

**Cam and Lifter Kits include:** camshaft and valve lifters.

APPLICATION	ENGINE TYPE	KIT PART NUMBER
2-44 diesel	155 diesel 3.625" overbore	Major = <b>OK-WAU155DM</b>
2-44 gas	155 gas 3.625" overbore 3.75" overbore	Inframe = <b>OK-WAU155GIF</b> Major = <b>OK-WAU155GM</b> Major = <b>OK-WAU155GMHC</b>
2-50 diesel	159 diesel, 8035.02 3.937" bore	Inframe = <b>OK-FIT159IF</b> Major = <b>OK-FIT159M</b>

## OVERHAUL KITS for WHITE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
2-60 diesel	211 diesel, 8045.02 3.937" bore	Inframe = <b>OK-FIT211IF</b> Major = <b>OK-FIT211M</b>
2-63 diesel	232 diesel 3.625" bore	Inframe = <b>OK-WAU232DIF</b> Major = <b>OK-WAU232DM</b>
2-63 gas	232 gas 3.625" bore	Inframe = <b>OK-WAU232GIF</b> Major = <b>OK-WAU232GM</b>
2-70, 2-78 diesel	283 diesel 3.875" bore	Inframe = <b>OK-WAU283DIFB</b> Major = <b>OK-WAU283DMB</b> Valve Train = <b>VK-WAU310D</b>
2-85, 2-88 diesel (w/eng. s/n TG22453)	354.1 diesel 3.875" bore	Inframe = <b>OK-PER354WIF</b> Major = <b>OK-PER354WM</b> Premium = <b>OK-PER354WP</b> Cam & Lifters = <b>CK-PER354</b> Valve Train = <b>VK-PER354T</b>
2-105, 2-110 diesel (w/eng. s/n TH22282)	T354.1 diesel 3.875" bore	Inframe = <b>OK-PER354TWIF</b> Major = <b>OK-PER354TWM</b> Premium = <b>OK-PER354TWP</b> Cam & Lifters = <b>CK-PER354T</b> Valve Train = <b>VK-PER354T</b>
2-115, 4-115 diesel	4-53 diesel 3.875" bore	Inframe = <b>OK-DET453IF</b> Major = <b>OK-DET453M</b>

## OVERHAUL KITS for WHITE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
2-135, 2-144, 2-155, 4-144 diesel	478 diesel 4.562" bore	Inframe = <b>OK-HER478IF</b> Major = <b>OK-HER478M</b> Cam & Lifters = <b>CK-HER478</b> Valve Train = <b>VK-HER478</b>
2-180, 4-150, 4-175, 4-180, 4-210 diesel	3208 diesel 4.50" bore	Inframe = <b>OK-CAT636IF</b> Major = <b>OK-CAT636M</b> Cam & Lifters = <b>CK-CAT636</b>
4-225, 4-270 diesel	3208T diesel 4.50" bore	Inframe = <b>OK-CAT636TIF</b> Major = <b>OK-CAT636TM</b> Cam & Lifters = <b>CK-CAT636T</b>
60 American diesel	4390 diesel 4.0165" bore	Inframe = <b>OK-CUM390IF</b> Major = <b>OK-CUM390M</b> Cam & Lifters = <b>CK-CUM390</b>
80 American diesel	4T390 diesel 4.0165" bore	Inframe = <b>OK-CUM390TIF</b> Major = <b>OK-CUM390TM</b> Cam & Lifters = <b>CK-CUM390</b>
100 diesel	6590 diesel 4.0165" bore	Inframe = <b>OK-CUM590IF</b> Major = <b>OK-CUM590M</b> Cam & Lifters = <b>CK-CUM590</b>
120, 125 Workhorse, 6124, 6125 Workhorse diesel	6T590 diesel 4.0165" bore	Inframe = <b>OK-CUM590TIF</b> Major = <b>OK-CUM590TM</b> Cam & Lifters = <b>CK-CUM590</b>

## OVERHAUL KITS for WHITE®

APPLICATION	ENGINE TYPE	KIT PART NUMBER
140, 145 Workhorse, 6140, 6145 Workhorse diesel	6TA590 diesel <i>4.0165" bore</i>	Inframe = <b>OK-CUM590AIF</b> Major = <b>OK-CUM590AM</b> Cam & Lifters = <b>CK-CUM590</b>
160, 170 ( <i>to eng. s/n 44,487,830</i> ), 6175 Workhorse diesel	6T830 diesel <i>4.49" bore</i>	Inframe = <b>OK-CUM830TIFA</b> Major = <b>OK-CUM830TMA</b> Cam & Lifters = <b>CK-CUM830</b> Valve Train = <b>VK-CUM830</b>
185, 195 ( <i>to eng. s/n 44,487,830</i> ), 6195 Workhorse diesel	6T830 diesel <i>4.49" bore</i>	Inframe = <b>OK-CUM830TIFC</b> Major = <b>OK-CUM830TMC</b> Cam & Lifters = <b>CK-CUM830</b> Valve Train = <b>VK-CUM830</b>

# NOTES