

Water pump / Fan Clutch / Diesel Primer Pump

مضخة الديزل التمهيدي / مروحة مقلب / مضخة مياه

Bomba de agua / Ventilador de Radiador / Bomba de Cebado Diesel

**For Truck / Tractor / Excavator
Forklift / Heavy Duty machinery**



e-catalog



TAIWAN
Since 1978

WATER PUMP OPERATION FUNCTION

The perfect temperature in a water cooled engine is provided by a system that circulates coolant through the engine block water jacket and radiator. The water pump is the mechanism that maintain the constant flow of coolant. In most cases, the water pump is driven by a belt pulley system, where the pulley receives power from engine's drive belt, timing belt, fan belt.

MECHANISM STRUCTURE AND COMPONENTS

The mechanism structure is comprised of the following components :

- HUB
- SHAFT BEARING
- BODY
- MECHANICAL SEAL
- IMPELER



The rotation of the engine is transmitted through the pulley which is attached to the hub, it makes the impeller rotate through the bearing and the mechanical seal. The role of the impeller is to drive coolant into the water jacket using centrifugal force which makes coolant circulate.



The body of water pump is equipped with a vapor hole and weep hole. The vapor hole relieves excess gas pressure seeping through the mechanical seal. The weep hole bleeds off excess coolant seeping through the mechanical seal. This two holes function as a safety mechanism to protect the shaft and the bearing from contamination.

WATER PUMP OPERATION FUNCTION

HANDLING INSTRUCTION

Before installation do not DRY turn the water pump pulley manually, it will cause in the mechanical seal soft carbon block may create residue on the ceramic block and generate abnormal noises during operation.

It is recommended that water pump lower level is submerged in coolant for 3 minutes before the installation. This will prevent the abnormal noises from being generated.



INSTALLATION INSTRUCTIONS

1. Flush the radiator with clean water approximately 2~3 minutes while the engine idle, this step will remove scale, rust residue and sludge form the coolant system and protect new water pump mechanical seal from contaminating.
2. After engine is cooled drain the water and remove old water pump, gasket and other materials left on the mounting surface. This step will prevent leakage from the surface.
3. When installation need sealant , apply with even amount around the water pump, clean off the excess sealant and prevents the sealant intrude into the water pump channel. This step will prevent the sealant for damage the mechanical seal.
4. Install the fan belt, timing belt, coolant and other parts specified by manufacturer specification, prevents other abnormal noises , leakage and failure of incorrect installation.

WATER PUMP TROUBLESHOOTING

WEEP HOLE LEAKAGE

The weep hole function is to protect bearing from contamination damage into the water pump. In normal operation around weep hole will appear small dried coolant residue, If coolant leakage it will appear bigger dried coolant traces and coolant level will decrease within a month.



Abnormal coolant leakage

Cause

The mechanical seal already damaged by contamination as sludge reducing sealing performance.

Prevention

1. Flush the cooling system with clean water 2~3 minutes with idle engine.
2. Replace new coolant with manufacture specifications and replace coolant regularly.
3. Use correct coolant mixture and fluid level.
4. Avoid to use sealant when gaskets supplied.

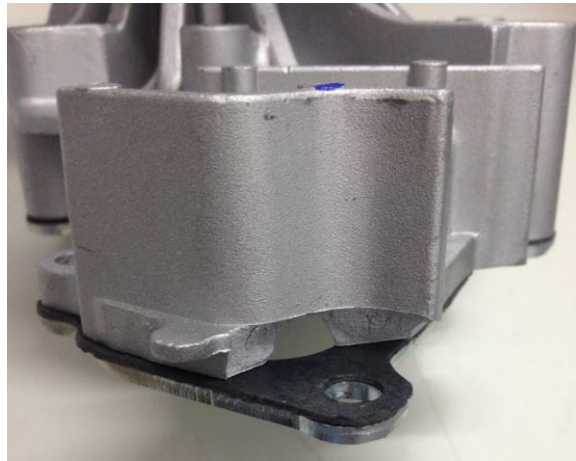
WATER PUMP TROUBLESHOOTING

OTHER ABNORMAL PROBLEM CAUSING LEAKAGE

There have other several factor also will caused water pump leakage ,such as corrosion of coolant, unevenly tightened bolts, excess sealant, etc.



Corrosion of coolant



Unevenly tightened bolts

Cause

1. Excess sealant will intrude into water pump channel and damage the mechanical seal.
2. Over tightened unevenly on mounting bolt , it will cause fracture on the body crack and leakage.
3. Installation gasket with over sealant, it will cause gasket performance degraded.
4. Unclean / contamination on mounting surface.
5. Coolant pH value 7.5 causing corrosion effect.

Prevention

6. Use only manufacturer specified sealant and coolant.
7. Do not use over sealant when gasket supplied.
8. When installation apply with specified by manufacturer instructions.
9. Clean surface contaminations before installation.
10. Do not re use old gaskets.

WATER PUMP TROUBLESHOOTING

OVERHEATING

Overheating will cause impeller corrosion, fracture of bearing and internal corrosion of the body.



Coolant degradation / Corrosion

Cause

1. Using recycle coolant or un-identified coolant composition.
2. Corrosion due to coolant deterioration.
3. Internal flushing the radiator.
4. pH value below 7.5 turn into formic acid.
5. Weather condition cause coolant frozen.

Prevention

1. Do not use recycle coolant or other composition.
2. Replace coolant regularly according manufacturer specs.
3. Fully flush with clean water 2~3 minutes with idle engine.
4. Replace coolant with specified mixture and fluid level.
5. Use coolant with specific type for cold area climate.
6. Maintain coolant pH level around 7.5~9.0.

WATER PUMP TROUBLESHOOTING

ABNORMAL NOISES BY INCORRECTLY INSTALLATION DAMAGED FAN COUPLING

- Rumbling sound when manually turning the pulley.
- Contamination of the pulley seat.
- Scratches and flecks found around the bearing during disassembly.
- Strike shaft when installation.
- Fracture on the water pump body casing or bearing.



Cause

1. Bearing fracture caused by excess belt tension or due to excess vibrations caused by misalignment of parts.
2. Unevenly over tightened bolts caused bearing failure.
3. Incorrect installation by un-experience mechanic.
4. Damaged fan coupling or fan coupling is not installed correctly.
5. Excessive vibration from unbalance installation.

Prevention

1. When installation tightened bolt according manufacturer specification.
2. Reused fan coupling pulley need run out with dial indicator.
3. Old ages vehicle or high mileage replace fan coupling pulley before Installation.
4. Check the bearing is lubed and free of any contamination.
5. Replace new fan coupling when installation.

ENGINE'S COOLANT PH VALUE

The most popular choice of coolant type has always been a mixture of ethylene glycol and water, with the ethylene glycol containing selected and specific inhibitors. While coolant is needed to remove heat in all internal combustion engines regardless of the type of fuel used, a regular control of the coolant solution is required to prevent the engine from severe damage.

Frequent engine repair and failure can be traced to improper or non-existent engine cooling water treatment. rust, scale and deterioration of seals are the result of improper or no treatment in the cooling system.

From the time the coolant is introduced into any type of engine it starts a gradual degradation process into corrosive acids. This degradation is a function of time, temperature and the types of metals used in the engine and components construction. Once the coolant turns acidic all engine metals start to dissolve. The results are leaking water pump and overheat.

Most automotive manufactures provide in the vehicle manual information about the suggested mileage or time to change the coolant. How ever it is important, because of the different climate and operative conditions, to measure the pH of the coolant every time the vehicle is at a scheduled service.

Extensive testing has shown that a coolant pH bellow 7.5 pH is not acceptable for use in engines due the its corrosive nature. The correct pH value should be maintained between 7.5~9.0 ph. Bellow 7.5 pH it is advisable to flush the cooling system and refill with a new coolant solution.

PPM Nitrite (end pad)		Freeze Point (middle pad)		pH (pad nearest handle)
		°F	°C	
<<200		32°	0°	6.5 
<200		4°	-16°	7.0 
800		-10°	-23°	8.0 
1200		-34°	-37°	9.5 
4000		-60°	-51°	above 11 

TRUCK / FORKLIFT / EXCAVATOR / TRACTOR / BUS / HEAVY DUTY

WATER PUMP			
CATERPILLAR			9
CUMMINS			16
FOTON			19
DAEWOO / DOOSAN			20
FORD			22
GENERAL MOTORS			24
HINO			25
HYUNDAI			34
INTERNATIONAL			35
ISUZU / HITACHI			36
ISEKI			48
KOMATSU			49
KUBOTA			56
MERCEDES BENZ			61
MITSUBISHI / FUSO			63
NISSAN / UD			75
PERKINS			83
SCANIA			86
TOYOTA			87
VOLVO / DEUTZ			94
YALE / HYSTER			97
YANMAR			98
CHINA TRUCK			104
JOHN DEERE			105
MACK			106
OTHERS			106
FAN CLUTCH			
CAT	107	IVECO	122
CHRYSLER	107	MAN	123
DAF	108	MERCEDES BENZ	125
FORD	109	MITSUBISHI	128
GENERAL MOTORS	113	NISSAN	131
HINO	114	RENAULT	132
HYUNDAI	117	SCANIA	133
ISUZU	118	VOLVO	134
DIESEL FEED PUMP / SEPARATOR / FUEL SEDIMENTER			
KDF Series			135
KT Series (for TOYOTA)			167
Fuel Water Separator			169
Fuel Filter Assy			173

IMPORTANT NOTICE

To avoid any possible misunderstanding , we recommend to make cross reference with picture and data in your future orders. Our catalog data listed is correct to the best of our knowledge from reliable and official information. However we can't assume any responsibility for possible error.

CATERPILLAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	Engine 3066 S6KT E200B E320B EXCAVATOR	KCA-01W	34345-10010 517693 1252989	
	Engine 3064, 3066 C4.2, C6, C6.4 Excavator 311C, 311D LRR, 312C, 312CL, 312D E320C	KCA-02W	1786633	
	Engine 3116DI Backhoe loader 446 Asphalt paver AP-1000, AP-1000B, AP-1050B, AP-1055B, AP-900B, BG-240C, BG-2455C, BG-260C	KCA-03W	7C4508	
	Engine 3204T	KCA-04W	2W1223	
	Engine 3304, 3306T Earthmoving 816, 815 Generator SR4 Excavator 225, 235	KCA-05W	2P0661	
	Engine 3304, 3306T Earthmoving 816, 815 Generator SR4 Excavator 215, 225, 235	KCA-06W	2P0662	

CATERPILLAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	Engine 3306T Paving compactor CB-534, CP-643, CP-653, CS-643, CS-653	KCA-07W	2W8001	
	Engine 3306T, 3304 Earthmoving 816B, 815B Dump truck D250B, D25C, D300B, D30C, D350C, D35C	KCA-08W	2W8002	
	3406E C15 SERIES C18 SERIES Straight tooth gear	KCA-09W	10R2776 10R3326 10R6225 2243238 3362213	
	3306 3304	KCA-10W	2W8003	
	3306 3304 SR4	KCA-11W	2W8004	
	3116 3126 Pulley 3.75"	KCA-12W	1208402 4P3682 OR1013 7E7398	

CATERPILLAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	3116 3126 Pulley 4.37"	KCA-13W	0R1013 0R3007 4W0253 4P3683 9V4879	
	3126 3126B 3126E C7 Excavator 320D,330D,336D	KCA-14W	3522139 2634413 2194452	
	3406B 3406C Dished gear	KCA-16W	613890 10R0483 0R4120	
	3406B 3406C Flat gear	KCA-17W	0R8217 10R0482 7C4957 7W7019	
	3126	KCA-19W	2243255	
	3208T	KCA-20W	2W1225	

CATERPILLAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	3306T	KCA-22W	1727776	
	3306T	KCA-23W	1727775	
	3306T	KCA-24W	1727766	
	3306T	KCA-25W	1727767	
	E315C 318DL C4.4	KCA-26W	4131A068	
	E323DL C6.6 C7.1	KCA-27W	322-9662 U5MW0204	

CATERPILLAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	C6.6	KCA-28W	2274299	
	C7 C9	KCA-29W	352-2080	
	336D 336DL (166mm) C9	KCA-30W	202-7676	
	E330D (170mm) C9	KCA-31W	219-4452	
	349D C10 C12	KCA-32W	176-7000	
	345D 345DL C13	KCA-33W	293-0818	

CATERPILLAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	3406 347DL C15 C16	KCA-34W	161-5719	
	3408 3412 D9R	KCA-35W	137-1339	
	3304 3306	KCA-38W	172-7778	
	3056	KCA-39W	U5MW0157 U5MW0156 1487192	
	3508C 3512 3512B 3512C	KCA-40W	416-0609	
	E323D2 320D2	KCA-41W	U5MW0204 4854895	

CATERPILLAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	3304 3306	KCA-42W	1341341	
	315B/C S6SDT E315C	KCA-43W	1175033	

CUMMINS

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	FD 1060 4LE1 DIESEL TRUCK BUS	KCU-01W	3802970 3802358 3802004 3903749 3282677	
	90-97 FD 1460 DIESEL	KCU-02W	3802081 3804883 3806180 3913430	
	6C 6CT 6CTA 8.3 PC300-7	KCU-03W	5RK121005A 3357458 3285323 3800974	
	B3.3	KCU-04W	3800883	
	NH220 BM76506 D85	KCU-05W	6685-61-1024	
	N14	KCU-06W	3803605 3803361 3803605RX	

CUMMINS

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	NT855	KCU-07W	3022474 3027174 3801788	
	Big Cam IV 300,350,400 Suitcase 41/2" Impeller	KCU-09W	3801708 3045943	
	L10 Series 10.0L 611/M11 Series 10.8L	KCU-11W	3800737	
	A2300 FORKLIFT	KCU-14W	4900469	
	4BT 6BT	KCU-15W	3960342	
	ISC ISL Industrial engine	KCU-16W	5346205 5291445 4376359 3973114 3286293	

CUMMINS

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	QSB 3.3L	KCU-17W	70025305	

FOTON

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	FOTON TRUCK Engine ISF 2.8 3.5T	KFO-02W	5269784 5269879 5333148	
	FOTON TRUCK Engine ISF 3.8 6.5T	KFO-03W	5288908	

DAEWOO/DOOSAN

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	DH280-3 DH330 DB6114T D2366 D2368 EXCAVATOR	KDA-09W	65.06500-6125	
	DH220-3 DH300-7 D1146(OLD)	KDA-10W	65.06500-6139C	
	DH220-5 DB58T	KDA-11W	65.06500-6402A	
	DH300-5 DH220-3 D1146T	KDA-12W	65.06500-6138C	
	DB33 FORKLIFT	KDA-13W	A213847 65.06500-6114	
	DH225-7	KDA-17W	65.06500-6402BD B85TIS	

DAEWOO/DOOSAN

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	DH370-7 DH420-7 DE12TI	KDA-18W	65.06500-6142	
	DX140 DL06	KDA-19W	65.06500-6178 400921-00008	
	DX300 DL08	KDA-20W	65.06500-6174 400921-00040	
 Pulley 116 mm	P158LE P180LE P222LE	KDA-21W	400921-00377E	
 Pulley 128 mm	P158LE P180LE P222LE	KDA-21W-1	400921-00377E	

FORD

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	7.3L V8 F250/F350/E550 Excursion	KF-106W	AW4114	
	Truck V10 6.8L 415	KF-138W	AW4109 4C3Z8501B 4C3E8501AA F7UZ8501DA F81Z8501DA YC3Z8501AB	
	Truck L6 6.6L 401, 7.8L 476 Diesel, W/O WP Mounted Fan	KF-145W	AW4071 F1HA8501C F1HZ8501CMR FOHN8508AA	
	Truck L6 6.6L 401, 7.8L 476 Diesel	KF-149W	AW4062 ETHZ8501B E8HZ8501B E8HZ8501C E8HZ8501CRM	
	Truck L6 6.6L 401, 7.8L 476 Diesel, W/ WP Mounted Fan	KF-152W	AW4072 E1HZ8501DRM E8HN8508AH F1HZ8501DMR	
	6.0L Power Stroke Diesel 03-05	KF-171W	AW4133	

FORD

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	F650 F750 6.0L DIESEL NAVISTAR VT365 6.0L DIESEL	KF-177W	4C3Z8501AA 5C4Z8501AA	
	FORD5000 TRACTOR	KWP-01	FAPN8A513GG	

GENERAL MOTORS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	V8 6.6L 400 Duramax Diesel	KG-118W	AW6053 97372515 98031233	
	CHEV. 01-05 Silverado & GMC Sierra 2500HD & 3500, 6.6L, 400 Diesel	KG-119W	AW5098 8972161367 19168888 251-723	
	CHEV. C4500 V8 6.6L 06	KG-121W	12637105 WP-9414	

HINO

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	H07D 7400cc 89-92	KHI-01W	16100-2970 16100-2971 16100-2972 16100-2973 16100-2980 16100-2981 16100-2982 16100-2983 16100-2973	
	H07D 94~	KHI-01W-1	16100-3171 16100-3070	
	H07D	KHI-01WA	16100-2973 16100-2980 16100-3172	
	W04D 4000cc 83-96	KHI-02W	16100-2341 16100-2342 16100-2343	
	W06D W06E	KHI-03W	16100-2532 16100-2531 16100-2530	
	EH700 H06CT	KHI-04W	16100-1441 16100-1170 16100-1171	

HINO

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	J05C	KHI-05W	16100-3475	
 Bolt holes 8.5 mm	J07C 5700cc J08C 8000cc	KHI-06W	16100-3464 16100-3465 16100-3466 16100-3467 16100-2393 16100-3580	
	H07CT 6700cc 86-90	KHI-07W	16100-2640 16100-2641	
	EF750	KHI-08W	16100-2393 16100-2955 16100-2587	
	K13C	KHI-10W	16100-3112	
	EK100 EK100 K13D	KHI-11W 1987~ KHI-11W-1 ~1987	16100-3122 16100-3123	

HINO

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	EK-100 ~1987	KHI-11W-1		
	P11C BUS	KHI-12W	16100-3910	
	F20C	KHI-13W	16100-3302 16100-3305 16100-3301	
	W06E	KHI-14W	16100-2384 16100-3860 J3610013C	
	EM100	KHI-21W	16100-3622 16100-2753	
	E13C-TK	KHI-22W	16100-4170 16100-E0451	

HINO

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	K13C-TE	KHI-23W	16100-3320	
	P11C-TK LFR-2P Gear : 22T	KHI-24W	16100-3781	
	P11C-TK Gear :23T	KHI-24W-1		
	P11C Without heat inlet	KHI-25W	16100-E0490	
	K13C	KHI-26W	16100-3820	
	J08E	KHI-27W	16100-E0022 16100-E0021	

HINO

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	J05E W/extra output SK200/210 SK250/260-8 KOBELCO C210	KHI-28W	16100-E0373	
	J05E	KHI-28W-1	16100-E0373	
	P11C with heat inlet	KHI-30W	16100-4120	
	EL100	KHI-31W	16100-3632	
	P11C-TJ Gear : 22 T	KHI-32W Gear : 22 T KHI-32W-1 Gear : 23 T		
	H07C	KHI-33W	16100-3592	

HINO

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	F17C	KHI-34W	16100-3032	
	300 N04C 3.5-8.5	KHI-35W	16100-78170 16100-E0040 16100-4080	
	J08E	KHI-36W	16100-4290	
	P09C EP100	KHI-38W	16100-1313	
	H06C	KHI-39W	16100-2370	
	DUTRO W04DT	KHI-40W	16100-E0341	

HINO

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	K13C-TV	KHI-41W	16100-3670	
	J08E TRUCK Euro 5	KHI-42W	16100-E0521	
	K13C	KHI-43W	16100-3086	
	J08E BUS Euro 5	KHI-44W	16100-E0751	
	FM1A A09C	KHI-46W	16100-E0390	
	J08C-T	KHI-48W	16100-3732	

HINO

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	ND,NE,NF NH,NJ,NV	KHI-49W	16100-E0333 16100-E0332 16100-E0331	
	J08E J08C J07E J07C	KHI-50W	16100-E0281 16100-E0282 16100-3970 16100-3971 S1610-03971	
	KM350 DM100	KHI-51W	16100-1122	
	J05C S05C S05D	KHI-52W	16100-E0270 16100-E0271 16100-3950	
	NO4CTU Euro 6	KHI-53W	16100-E0B71	
	J08CT J07CT	KHI-54W	16100-E0791	

HINO

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	JO5E SK200-9	KHI-55W	16100-E0834	
	A09C	KHI-57W	16100-E0390	
	JO5E-UT	KHI-58W	16100-E0821	

HYUNDAI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	R200-3 R200-5 D6BR(OLD) small pulley EXCAVATOR	KHY-25W	25100-93G00	
	R210 D6BT(NEW) big pulley EXCAVATOR	KHY-26W	25100-93C00	

INTERNATIONAL

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	DT408 DT466C 7.6L	KIN-01W	AW3713 1817687C92-C94- C95-C96-C97 1830606C94 1821935C3 1817686C94 1817967C96 1830606C95	
	DT466W	KIN-10W	AW3717 1830607C4 1841764C2 1842664C92 1842665C93	

ISUZU/HITACHI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	2500cc 4JR1 2800cc 4JA1 SK60 EXCAVATOR	KI-07W Pulley mounting bold 5 mm KI-07W-1 Pulley mounting bold 6.7 mm	8-94140-341-2 8-94310-251-0 8-94376-844-0 8-97376-851-0 8-94419-461-2 8-94461-173-0 8-97018-560-0 8-97123-330-0 8-94379-422-0 8-97062-796-0	
	2800cc 4BA1 3300cc 4BC2 3600cc 4BE1 4300cc 4BG1 4BD1 4BD1T FORKLIFT	KI-15W	8-94129-554-Z 8-94376-853-Z 8-94372-119-Z/0 8-94379-924-Z/0 8-97018-556-Z/0 8-97021-171-Z/0/ 1 8-94439-850-Z/0 8-97021-171	
	2000cc G201 2200cc C221 2400cc C240 G240 67-	KI-17W	5-13610-038-1 5-13610-179-0 8-94376-832-0 9-13610-323-0 9-13610-417-0 9-13617-605-0 9-13617-635-0	
	ELF 250 2800cc 4BA1 4BC1 3300cc 4BC2 DIESEL	KI-18W	5-13610184 8-94379924 8-94439850 8-97018556 8-97021171	
	4300cc 4HF1 4600cc 4HG1 4800cc 4HE1T 5000cc 4HJ1	KI-20W	8-97073-951-Z 8-97109-676-Z 8-94939-850-0 8-94939-850-2	
	2800cc 4BA1 3300cc 4BC1 4VC2 79-	KI-22W	5-13610-187-0 5-13610-150-0 8-94376-843-0	

ISUZU/HITACHI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	2800cc 4BA1 3600cc 4BB1 73-79	KI-23W	5-13610-009-0 5-13610-027-0 5-13610-041-3 8-94376-865-0 9-13617-636-2 9-13617-801-1	
	6BG1 81- 6BG1T 5800cc 6BD1	KI-25W	1-13610-819-0 1-13610-602-1 1-13610-428-0 1-13610-017-1	
	HOMBRE V-6 262(4.3L) 97-99 NPR TRUCK V- 8 350(5.7L) 96-99 GMC TRUCK V-6,V-8	KI-29W (KG-48W)	8-12532-528-0 12528917 12532528 12532526 12561392 88896225 89017748 89060527	
	PICK UP PRODE TROOPERII V-6 (2.8L) V-6(3.1L) 89-94	KI-30W (KG-44W)	8-10120-943-0 10048950 10120943 12482690 14092941	
	KS22 4BD1 3900CC DIESEL	KI-34W	5-13610-171-1 5-13610-171-2 5-13610-171-3 8-94469-852-0 8-94439-852-1 8-94439-582-2 8-94376-855-0	
	FOWARD 6HE1 7100cc 6HH1 8200cc RK195 2PULLEY	KI-35W	8-94393-447-3 8-97602-781	

ISUZU/HITACHI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	6HE1 (FRR/FTR) ALUMINUM 2 PULLEY	KI-35W-1	8-97602-773-0	
	RK195 3 PULLEY	KI-35W-2	8-94393-447-3	
	RK195 DECA230 4 PULLEY	KI-35W-3	8-97602781-0	
	ELF 250/350 JOURNEY 4BB1 2800cc 4BA1 3600cc KS21	KI-36W	5-13610-027-2 5-13610-012 5-13610-041 8-94376-865 9-13617-636 8-13617-801	
	4JB1T 2800cc 4JG2 3100cc	KI-37W	8-97105-012-0	
	RODEO D-MAX 4JH1 3000cc 4JA1 2500cc	KI-39W	8-97942-972-0 8-97942-209-0	

ISUZU/HITACHI

RUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	6BB1	KI-40W	1-13610-016-0	
	6SA1 R/K210	KI-41W	1-13610-842-1 1-13610-603-3	
 Hub diameter : 79 mm	6BB1 5.4cc 6BD1 5.8cc 6BF1 6.1cc 76-78 78- TRUCK (6-6.5 ton)	KI-42W	5-13610-144-0 5-13610-026-2 1-13650-018-0 1-13610-877-0	
 Hub diameter : 93mm	5400cc 6BB1	KI-42W-1	1-13610-877-0	
	6BG1T EX200-5 EXCAVATOR	KI-42W-3	1-13650017-1	
	C240 2400cc SD10 SD12 SD15 TCM/KOMATSU FORKLIFT	KI-43W	8-94376-862-0 9-13610-394-Z 9-13610-325-Z 8-97028-595-Z 8-94483-167-Z 8-94376-862-Z 5-13610-163-Z/0 5-13610-077-Z/2 5-13610-057-Z/0 5-13610-047-Z/0	

ISUZU/HITACHI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	10PE1	KI-44W	1-13650-179-0 1-13610-789-0 1-13650-140-2	
	6WA1 360/370	KI-46W	1-13650-057-0	
		KI-46W-1	8-98146073-0	
		KI-46W-2		
	6HE1	KI-48W	8-94395-656-3	
	6SD1 R/K240	KI-49W-1	1-13650-008-1 1-13610-676-1	

ISUZU/HITACHI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	6SD1TC	KI-57W	1-13650-002-0	
	ELF 4BE2 3600cc 4BD1T ELF250 TRUCK	KI-58W	8-97022-859-1 8-97014-078 8-97184-867 8-97022-859	
	FOWARDO 6BD1 5800cc 6BG1 6500cc FORKLIFT	KI-63W	1-13610-428 1-13610-592	
	4JG2 EX60 FORKLIFT	KI-64W	8-97028-590-0	
	4BG1 EX120-5 EXCAVATOR	KI-65W	8-97125051-1	
	6HK1	KI-69W	1-136501330-0	

ISUZU/HITACHI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	4HK1 SH200-5 Pulley 6 bolt EXCAVATOR	KI-70W	8-98038845-0 8-98022872-1	
	4HK1 TRUCK	KI-72W	8-97363478-0	
	6HK1-TC (cast iron)	KI-73W	1-87310835-0 8-98042-848-2	
	6UZ 360 hp W/ OIL CIRCULATION	KI-74W	8-98236219-0 J210-1250B	
	6UZ 360 hp W/O OIL CIRCULATION	KI-74W-1	1-87311118-0	
	4BD1T SH120 EX120-1/2/3 EXCAVATOR	KI-75W	8-94376865-0 8-94176989-0	

ISUZU/HITACHI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	4JG1 ZAX70	KI-76W	8-97123330-0	
	6SD1T EX350 EX300-5	KI-77W	1-13650068-1	
	4FE1 4FA1 FORKLIFT	KI-81W	5-13610202-2	
	4LE2 EX55	KI-82W	5-87311-183-2	
	4LE2	KI-83W	5-87311148-2 8-9809-8662-0	
	D201 Thermo king	KI-84W	11-9356 11-8478 11-8378	

ISUZU/HITACHI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	TXD20 DA220 DA640	KI-85W	1-13610-804-0	
	D-max 2016 1.9DDI	KI-86W	8-98248255-1	
	SH200-5 4HK1 Pulley 4 bolt	KI-87W	8-98022822-1	
	3KR	KI-88W		
	3C	KI-89W		
	3LB1	KI-90W-1 aluminum	8-97163-259-0	

ISUZU/HITACHI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	4JJ1 ZX120/130/160-3	KI-93W	8-98047-688-3	
	6BG1	KI-94W	J211-0220M	
	4JJ1	KI-95W	8-98182933-1	
	6RB1	KI-96W	1-87810663-0	
	6RB1	KI-97W	1-13650099-1	
	4HK1 EK210K-6A	KI-98W	5-87311242-0	

ISUZU/HITACHI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	4HK1 EK210K-6A w/pipe	KI-98W-1		
	6UZ1	KI-99W	187310-9920	
	4HL1	KI-100W		
		KI-101W	8-97251-184-1 8-97125-051-0	
		KI-102W	1-13650-017-0 1-13610-995-0	
	NMR85	KI-103W	8-98212-068-2	

ISUZU/HITACHI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	THERMO KING C201PT	KI-104W	TK4576	

ISEKI

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	N843 N844 KE10315 Engine TRACTOR	KFO-01W	14501-7723	
	B2 B3 C3	KIS-02W	6213-610-004-2F	
	B2 B3 C3	KIS-03W	6213-610-011-2E	
	TE2102 2104 3210 TRACTOR	KIS-04W	6513-610-141-20	
	3AE1 3AF1 3AG1 TRACTOR	KIS-06W	6213-610-001-00	
	SF450FH SF438FH	KIS-07W	6213-610-016-00	

KOMATSU

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	S4D95S FORKLIFT (ALUMINUM)	KKO-01W	6202-63-1200 6202-63-1201	
	S6D95 PC200-5 EXCAVATOR	KKO-03W	6206-61-1100 6206-61-1104 J3510008C	
	S6D125 PC300-3 PC400-5	KKO-04W	6151-62-1104 6151-61-1101 6151-61-1121	
	S6D102 S6D102E PC200-6 FORKLIFT	KKO-05W	6736-61-1200 6735-61-1102 6735-61-1101 3286277	
	S4D95 PC60-5	KKO-06W	6204-61-1204	
	S6D105 PC200-3	KKO-07W	6136-62-1100	

KOMATSU

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	S6D108 PC300-6 (8V)槽	KKO-08W	6222-63-1200	
	S6D105 6D105 PC200 EXCAVATOR FORKLIFT	KKO-09W	6136-61-1102	
	S6D108 (4V)槽	KKO-10W	6221-61-1102	
	S4D94E S4D94LE FORKLIFT	KKO-11W	12990-42055 12990-42054 12990-42053 12990-42050	
	S6D125E PC400-6 PC450	KKO-12W	6151-62-1102 6151-62-1101 6154-61-1102	
	S6D95L 6 mounting bolt FORKLIFT	KKO-13W	6206-61-1505	

KOMATSU

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	S6D95L 4 mounting bolt	KKO-13W-1	6206-61-1505	
	3D83 3D84 PC20 PC30	KKO-14W	19327-42100	
	3D94-2A	KKO-15W	6144-61-1301	
	S4D95L	KKO-16W	6204-61-1304	
	4D105-3 D50-17/18	KKO-17W	6140-60-1110 6131-62-1240	
	4D105-5	KKO-18W	6130-62-1110	

KOMATSU

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	S4D120	KKO-19W	6110-63-1110	
	S6D95 PC200-6	KKO-20W	6209-61-1100	
	6D107 PC200-8	KKO-21W	6754-61-1100	
	6D110 PC400-1 WA350-1	KKO-22W	6138-61-1860	
	6D110 WA380-1 WA420-3	KKO-23W	6222-61-1500 6222-61-1600	
		KKO-24W	6150-61-1101	

KOMATSU

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	S6D140 small	KKO-25W	6212-61-1203	
	S6D140 big	KKO-26W	6212-61-1305	
	S6D140E	KKO-27W	6211-61-1400	
	S6D155 D155A1	KKO-28W	6124-61-1004	
	SA6D155 D355C1	KKO-29W	6127-61-1008	
	S6D170	KKO-30W	6162-63-1012 6162-63-1015	

KOMATSU

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	WA470-6 PC400-8	KKO-32W	6251-61-1101	
	S6D105 PC220-3	KKO-33W	6136-61-1402	
	4D94E	KKO-34W	6144-61-1102	
		KKO-35W	6136-61-1601	
		KKO-36W	6136-61-1501	
		KKO-37W	6134-61-1401	

KOMATSU

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	PC1250-7 S6D170 D375A-6	KKO-38W	6240-61-1102	
	4D95L	KKO-39W	6271-61-1601 6204-61-1602	

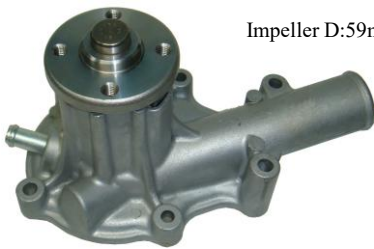
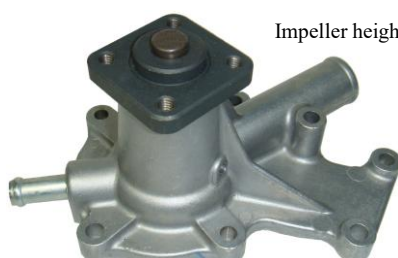
KUBOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	M105SDT V3300 V3800 TRACTOR FORKLIFT	KKU-01W	1C010-73032 1C010-73030	
Impeller height 8mm 	Z482/D722/D902 K008/K008-3 G1800/G1900 TG1860-48 B7300HSD B7400HSD EXCAVATOR TRACTOR	KKU-02W	15881-73033 15881-73030 19883-73030 7509-10102	
Impeller D:69mm 	V1505 TRACTOR	KKU-03W	16259-73032	
	V2203 V1702 V1903 D1302 D1402 D1403 D1703 BOBCAT 753/763/773	KKU-04W	7509-10103 15521-73030 15521-73033 15521-73034 15521-73035 15521-73039 A-6653941 A-503180	
	V2403	KKU-04W-2 w/pipe	15521-73030	
	V2403 EXCAVATOR	KKU-05W	1K321-3030	

KUBOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	V2403	KKU-05W-1 w/pipe		
 Impeller D:59mm	CT3-69 D1105 TRACTOR	KKU-06W	25-33024-00-SV	
	V1505	KKU-06W-2 w/ 2 pipe	16251-73034	
 Impeller height 14mm	D722 TRACTOR	KKU-07W	R25-15366-00 1E051-730341	
	V2403 BOBCAT AL275 S205	KKU-08W	1G730-7303-2 17509-10103	
	V2403	KKU-08W-1 w/pipe		

KUBOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	L175 L255(DT) L245(DT) L345(DT)	KKU-09W	15321-73032	
	L2500 L3000 M4800SU M5700 TRACTOR	KKU-10W	1A021-73030 1A021-73033 16412-73030	
	V2403	KKU-10W-1 w/pipe	1A021-73030	
	V2607	KKU-11W	1J700-73030	
	V3307	KKU-12W	1G772-13122	
	AR-96 ARN105 Harvester machine	KKU-13W		

KUBOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	V1803 SR75	KKU-14W	15341-73030	
	D850 D950 small	KKU-15W	15534-73030 1G820-73035	
	D950 big	KKU-16W	15852-73030	
	L295 L305	KKU-17W	16111-73030 15341-73030	
	V1512 V1502	KKU-18W	15424-73034	
	M4950 M5500 V4300 TRACTOR	KKU-19W	15451-73030	

KUBOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	M6040	KKU-21W	1G928-73034	
	M6040	KKU-21W-1 w/pipe	1G928-73034	
		KKU-22W		
 Impeller 68 mm	V1505 D1105	KKU-23W	1K576-73032	

MERCEDES BENZ

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	MBE904 4.3L	KMB-49W	9042002001 9042001901 9042000701 9042000201	
	OM366	KMB-80W	3762000601	
	OM355 OM356	KMB-81W	3452000801	
	OM457 OM460	KMB-82W	4602000001	
	OM477A OM447L OM449A OM449L	KMB-83W	4752000101	
	OM352	KMB-84W	3532000301 3532003701 3532003601 3522007401 3522008401 3532000401	

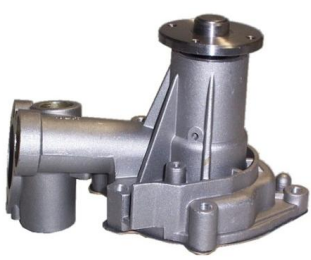
MERCEDES BENZ

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	OM355 OM356	KMB-85W	3452000201	
	OM314	KMB-86W	3142000601 3142000604 3142000801 3142001901 3142002101 3142002401 3142002901 3142003701 3142003901	
	OM366	KMB-87W	3662006801	
	OM352	KMB-90W	3522003801	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	4G33 1400cc 4G32 1800cc 4G36 1200cc FORKLIFT	KM-01W	MD997610 MD997077 MD009000 MD009019 MD041050	
	4G15 4G13 1300cc FORKLIFT	KM-05W	MD974649 MD997609 MD997076 MD030863 25100-25010 25100-22650 25100-22010/12 25100-24040/60	
	4DR51 2700cc 4D30 3300cc 4D30A 4D31A 4D31T DIESEL	KM-07W	MD015020 ME015005 ME015020 ME015010 ME015030	
	4G63 4G64 FORKLIFT	KM-09W	MD970338 MD997615 MD997613 MD997612 MD997465 MD997080 MD997079 MD312740 MD041050	
	4D30(T) 3300cc 4D31(T) 4D31A 4D33 4D32 4D30 3600cc	KM-13W	ME013406 ME013864 ME015030 ME015040 ME015045 ME996863 ME996861 ME015050 ME013169 ME013868	
	4D55 2300cc 82-	KM-17W	MD997150 MD664616 MD997618 MD997170 MD997150 MD997084 MD942001 MD166048 MD050405	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	6G72 3000cc 6G71 2000cc	KM-18W	MD972003	
	4DR5 4DR7 95- 89-93 2800cc	KM-29W	ME005183 ME966781 ME005212 ME001551 CW605169	
	4M40	KM-30W	ME996792	
	4G52 2000cc 4G53 2400cc FORKLIFT	KM-39W	MD972502 MD997410 MD997083 MD025475	
	2500cc 4D56 4G15 FORKLIFT	KM-49W	MD972002 MD997686 MD974999 25100-42540 AJ0315010G	
	2000cc 4D68	KM-51W	MD971539 MD972006 MD972054 MD972972	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	3600cc 4D36 3900cc 4D34 4200cc 4D34T 4600cc 4D33 4D35	KM-52W	ME015217 ME995424 ME996868 ME215082	
	4M40 4M41 CAT E307B Sumitomo SH60 EXCAVATOR	KM-56W	ME993473	
	3900cc 4D34T 4200cc 4D34 D433 DIESEL (CAST IRON)	KM-57W	ME013410 ME993515 ME996865	
	3900cc 4D34 4200cc 4D33 (ALUMINUM)	KM-57W-1	ME013410 ME993515 ME996865	
	2800cc 4DR70 TRUCK	KM-61W	ME005213 ME996786	
	6900cc 6D14A 6D15A 80-82 TRUCK (ALUMINUM)	KM-62W	ME035211 ME035212 ME035168 ME035171 ME996928	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	690cc 6D14A 80-82 TRUCK (CAST IRON)	KM-62W-1	ME035211 ME035212 ME035768 ME035171 ME996928	
	2800cc 4DR-70 89-93	KM-66W	ME005212 ME001551	
	6D16T W/ OIL CIRCULATION	KM-65W	ME075218	
	6D16T W/O OIL CIRCULATION	KM-65W-1	ME996811 ME993839 ME993455 ME075132	
	6D16T	KM-65W-2	ME075293	
	6D16T (CRANE) FN527	KM-71W	MC075156	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	6D16 6D14 6D15A FK417	KM-72W	ME075049 ME996801 ME996804	
	4G63 4G64 FORKLIFT	KM-74W	MD972457	
	6D22T W/OIL CIRCULATION	KM-76W	ME995716 ME152528	
	6D22 W/O OIL CIRCULATION W/ LUBRICATING OIL	KM-77W	ME995584	
	8DC82A 84- FV415 FV320 FV290	KM-78W	ME065360	
	6D17 6D17T W/O OIL CIRCULATION	KM-80W	ME995290	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	6D15A 6D16T 6D16A	KM-81W	ME995223 ME995303 ME996794	
	6D31T 6D34T SK200-3 SK200-5 KOBELCO EXCAVATOR	KM-82W	ME088301	
	6D31 SK200 KOBELCO HD700 KATO EXCAVATOR	KM-83W	ME391343	
	8DC11A 8DC9	KM-84W	ME995645 ME095657	
	S4F S4E S4E2 S6E S6E2 FORKLIFT	KM-85W	34545-00013 34545-10010 34745-11010	
	6D14A 6.6L FK-115,116,215,216 6D15A 6.9L FM-215,216,315,316	KM-86W	MD787131	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	S4S FORKLIFT	KM-88W	32A45-00022 32A45-10010	
	S4S DT61SD/Z362SD engine FORKLIFT	KM-88W-2	32A45-10031	
	S4Q2 FORKLIFT	KM-89W	32C45-00022 32C45-00023	
	4D56 L200 2006~	KM-90W	1300-A045	
	6D16	KM-91W	ME996800	
	6D16 FN528 FN627 TURBO	KM-96W	ME075258 ME995288	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	6D24T W/OIL CIRCULATION	KM-98W	ME995058	
	S6S	KM-99W	32B45-10031	
	FUSOTRUCK FK71D CANTER 4M50 4.9L 4M51 5.2L	KM-100W Pulley 114mm	ME995072	
	ROSA 4M50 4.9L BUS	KM-100W-1 Pulley 104mm	ME993965	
	8DC11A FP519 FV380	KM-104W	ME995649 ME995125	
	8M20	KM-105W	ME995663	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	4M50 4M51 Pulley 97mm TRUCK	KM-106W	ME993965 ME994506	
	4D32 HD450 EXCAVATOR	KM-107W	ME993517	
	6M70 W/O OIL CIRCULATION	KM-114W	ME994508 ME994508 ME350733	
	K4E K3E K4C K4F S4L S3L TRACTOR	KM-115W	MM433424 MM409301 MM409302 MM409303 MM407405	
	6M60-EUR4 HUB22mm	KM-116W	ME996795 ME993933	
	6D22TC	KM-117W	ME158624	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	FEA51 3.5	KM-118W	MK667228	
	6M70 W/O oil circulation	KM-119W	ME994277	
	8DC91A FV320 86-	KM-120W	ME996877	
	K4M K4N TRACTOR	KM-122W		
	FP310 8DC2	KM-123W	ME065183	
	S6E	KM-127W	34445-10014	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	L3E FORKLIFT	KM-128W	MM443170	
	4M42T 96-08 euro4	KM-129W	ME191479D	
	FE74SHDX	KM-133W	J220-1320S	
	4M50	KM-135W	ME994674	
	D04FR SK130-8 SK140-8	KM-136W	32G45-21010	
	6D14 R310-5	KM-137W	ME065183	

MITSUBISHI (FUSO)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	6D15T	KM-140W	ME035246	
	S6R	KM-141W	37545-00051	
	6DB1	KM-142W	30045-92020	
	4P10	KM-143W	ME993681	

NISSAN (UD)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	66-81 A15 TRUCK FORKLIFT	KN-01W	21010-13200 -13201 -13202 -13225 -13226 -18810 -18811 -18812	
	H50-2 FORKLIFT	KN-04W	21010-50K26 21010-Y7025 21010-R8485 21010-R8425 21010-J2025 21010-Y7025 21010-W3694 21010-W3686 21010-W3626	
	H20(OLD) 802 FORKLIFT	KN-05W	21010-78225 21010-78226 21010-V4425 21010-J5125 21010-J5025 21010-78202 21010-78203 21010-78200 21010-66028	
	2000cc SD23 2200cc SD22 2300cc SD23 69- TRUCK FORKLIFT	KN-08W	21010-37501 -37502 -37503 -37504 -37526 -37528 -37529 -37585	
	2200cc SD22 79- TRUCK	KN-10W	21010-09W25 -31W25 -31W26	
	TD23 2300cc TD25 2500cc TD27 2300cc 86- TRUCK	KN-27WF	21010-43G25 -43G26 -43G27 -43G28 -43G29 -35V25 -35V26 -43G86	

NISSAN (UD)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	TD23 2300cc TD26 2600CC TD27 2700cc BD30 3000cc 86-	KN-28WF	21010-02N25 21010-02N85 -22T26 -22T25 -02N90 -02N91 -02N89 -02N88 -02N86	
	TD42 4200cc TRUCK FORKLIFT	KN-40W	21010-06J25 21010-06J26 21010-06J27 21010-06J28 21010-06J29	
	P40	KN-42W	21010-C6526	
	TB42 FORKLIFT	KN-49W	21010-03J25 21010-03J26	
	ED33 3300cc FD33T 3500cc FD35 FD35T ED35 HITACHI EX60 EXCAVATOR	KN-53W	21010-S9025/6/ 7 -S9425 -T9028/6/7 -T9085/6/7 -T9088/9 -01T27/5/6 -01T85/7/8	
	2300cc SD23 85- TRUCK DIESEL	KN-57W	21010-10G25 21010-10G26	

NISSAN (UD)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	3300cc SD-33 78-87 FORKLIFT	KN-58W	21010-61504/5 21010-61526/7/ 8 -61528/9 21010-61585 21010-61594	
	2700cc TD27 DIESEL FORKLIFT	KN-59W	21010-40K26 21010-40K28 21010-20K29 21010-40K30 21010-40K05 21010-40K31	
	2500cc TD25 2700cc TD27 TD42 88- TRUCK	KN-61W	21010-44G25 21010-44G26 21010-44G27	
	2000cc H20 H-20-1 FORKLIFT	KN-62W	21010-L1100 21010-L1125 21010-L1126 21010-21100 21010-B8525	
	2700cc TD27 2700cc TD27T(I) 87- FORKLIFT	KN-64WF	21010-21N25 21010-21N28 21010-21N29 21010-21N85 21010-21N86	
	2000cc LD-20 81-84 TRUCK	KN-65WF	21010-W1727 21010-W1786 21010-G3625 21010-G3626	

NISSAN (UD)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	DATSUN-TRUCK 99-06- 2500CC	KN-72W	21010-EB70A 21010-EB325 21010-EB300	
	K21 K25 FORKLIFT	KN-73W	21010-FU425	
	RE8 CW53	KN-74W	21010-97266	
	RF8 CW520 Single Ditches	KN-75W	21010-97402 21010-97228 21010-97325 21010-97415 21010-97572 21010-97226 21010-97366	
	RG8 CW530 Multi Ditches	KN-75W-1	21010-97361 21010-97573 21010-97403 21010-97400 21010-97326 21010-97229	
	PD6 PE6	KN-76W	21008-96107	

NISSAN (UD)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	PD6 PE6 PE6T	KN-76W-1		
	PD6 PE6 PE6T	KN-76WA	21010-96172 21010-96264	
	PF6T CK450	KN-77W	21010-96211 21010-96125	
	CK450 PF6T	KN-77WA	21008-96072 21010-96266	
	FE6T	KN-78W	21010-Z5607 21010-Z5426 21010-Z5518 21010-Z5029 21010-Z5027	
	RD8	KN-79W	21010-97110	

NISSAN (UD)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	PF8	KN-93W	21010-97367	
	FE6T	KN-99W	21010-Z5429 21010-Z5572 21010-Z5574 21010-Z5600 21010-Z5603 21010-Z5613 21010-Z5700	
	FE6T BUS	KN-100W	21010-Z5525 21010-Z5326 21010-Z5328 21010-Z5611 21010-Z5661 21010-Z5666 21010-Z5707	
	FD42 FD46	KN-101W	21010-0T025	
	D13000 GE13T	KN-105W	21010-00Z0B 21010-00Z08	
	H15 H20-II H25 FORKLIFT	KN-106W	21010-FF225	

NISSAN (UD)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	MD92 MK260 TRUCK	KN-108W	21010-Z6017	
	TD42T 4.2L 99~ BUS	KN-111W	21010-34T29	
	RD8	KN-124W	21010-97318	
	NE6(T) ND6(T)	KN-125WA	21010-95013 J331-0014C	
	Quester GH8E	KN-129W	84133030 5223552772 23154958	
	J15 Forklift	KN-130W	21010-L1600	

NISSAN (UD)

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	6D22	KN-131W		
	GE13 CD48	KN-132W	21010-00Z0A 21010-00Z07 21010-00Z06 21010-00Z05	
	FD9 FE6	KN-133W		
	FD46T	KN-134W	21010-17D00	

PERKINS

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	PHASER 90	KPK-01W	U5MW0156	
	Massey Ferguson 750 Engine A6354.4	KPK-02W	41313048 U5WM0132	
		KPK-04W	41313065 U5MW0129	
		KPK-06W	U5MW0104	
	4S/S4T	KPK-17W	70992563	
	700 series Hyster H2.00-3.20XM	KPK-18W	3771F15C/2 U5MW0175 4131A052 U4131A052 U5MW0176	

PERKINS

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	Engine 4.236 Bobcat 943	KPK-19W	41313201 3641832M91	
	1000 series Engine 1004-4/T 1004-40/t 4.236 series Engine 4.41 T4.236	KPK-20W	37773799 4222071M91 U5MW0106	
 斜式葉輪	1000 series Engine 1104C-44T Bobcat T40140	KPK-21W	4131A113 10000-47142	
 平式葉輪	1100 series Engine 1104A-44	KPK-22W	4131A068 U5MW0206	
		KPK-23W	4131A131	
	1000 series Engine 1006-60/T 1006-6T	KPK-24W 18 gear	4131E103 4131E011 4131E012 U5MW0092 U5MW0160	

PERKINS

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	1000 series Engine 1004-40T 1006-60TA 1006-60TW Bobcat 943	KPK-25W	4131E018 U5MW0193	
	MASSEY FERGUSON TRACTOR	KPK-26W	41312574	
	103.09 103.10 103.11	KPK-27W	145016474 53-5955	
	C7.1 C4.4	KPK-28W	T413424 3801659	
	JCB 3CX 4CX	KPK-29W	320/04542	

SCANIA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	DSC11	KSC-01W	1575100 1571059 575100 571059	
	DCS11 DSC12 Series 124 Height:16.5mm	KSC-03W	1508533 1570951 1353072 570955 570952	
	DSC14 Series 144 Height:22mm	KSC-03W-1	1365841 1508534 1570956 570956	
	DSC9	KSC-04W	1510490 1486098 1380897 570957 570953	
	DSC16	KSC-05W	570958 570954 549481 510404 10570954 1549482 1433792 1549481 1510404 1570954	
	DC9 DC11	KSC-06W	570964 10570959 10570964 1546188 1570959 1789522 546188 570959 570965	

TOYOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	4200cc 2F 75-79 TRUCK	KT-04WW	16100-61041 16100-61040	
	4P FORKLIFT	KT-09W	16120-78007-71 16210-34090 16120-34140 16120-34101 16120-34100 16110-88251 16110-39296 16110-39295	
	3200cc 2B 80-82	KT-19W	16100-59085	
	4000cc 3F 84-87	KT-37W	16100-69155 -69156 -69255 16110-61180	
	4000cc 3F 84-	KT-38W	16100-69115 16100-69245	
	4200cc 2F 75-80 TRUCK	KT-55W	16100-61010 -61011 -61012 -61013 -61020 -61030	

TOYOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	3200cc 2B 74-80	KT-57W	16100-59015 -59016 -59017	
	1UZFE 4000cc INZFE 89-	KT-59W	16100-50020 -50021 -50022 -59275 -59276	
	3500cc 1PZ 4200cc 1HD,1HZ	KT-62W	16100-19235	
	3900cc 2F 67-75	KT-75W	16100-60090	
	1FZ FORKLIFT	KT-78W	16100-69325 16110-76035-71	
	3000cc B/3B/11B 3700cc 14B 4100cc 15B	KT-84W	16100-59165 16100-59166 16100-59245	

TOYOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	3400cc 3B 3200cc 2B DIESEL 80-	KT-88W	16100-59065 16100-59075 16100-59076	
	4200cc 2F	KT-92W	16100-61081 16100-61130	
	1Z 13Z FORKLIFT	KT-104W	16100-78300 16100-78300-71	
	4P FORKLIFT	KT-110W	16120-23010	
	7F4Y FORKLIFT	KT-111W	16110-10110 16110-10110-71 16110-78156 16110-78156-71 16100-78171	
	7F4Y FORKLIFT	KT-111WA	16110-78156-71	

TOYOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	2J	KT-113W	040780-0090	
	2J Big Pulley FORKLIFT	KT-114W	16100-00705 16100-10941 16120-10940-71	
	2J small Pulley FORKLIFT	KT-115W	16100-22060 16100-22071 16120-32082-71	
	6F1DZ FORKLIFT	KT-116W	16100-72800 16100-78202-71	
	1DZ	KT-117W	16120-78201-71	
	6FG 5K big pulley FORKLIFT	KT-127W	16120-96120 16120-78120-71	

TOYOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	7F1DZ 2Z 3D FORKLIFT 7FDF 20/25/30 8FD 25/30 TRUCK	KT-131W	16100-78206-71 16110-78206-71 16110-78703-71 16110-78701-71	
	7F1DZ FORKLIFT	KT-131WA	16100-78203-71	
	7F2Z 7F3Z FORKLIFT	KT-131WA-1	16100-78701-71	
	8FD 1DZ FORKLIFT	KT-131WA-2	16120-78205-71 16120-78206-71	
	6F4Y FORKLIFT	KT-132W	16120-78151-71	
	6FG 4Y/5K FORKLIFT	KT-132WA	16120-70151-71 16100-78154-71 16100-78153-71	

TOYOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	2FG 3FG 7FG 8G 5K small pulley TRUCK/FORLIFT	KT-133W	16110-78121-71 16120-78121-71	
	V8 5.7L TRUCK	KT-136W	16100-09490 16100-39495	
	4.5 cc 1VD V8	KT-137W	16100-59365	
	2H FORKLIFT	KT-147W	16120-69025	
	2J FORKLIFT	KT-148W	16210-32082-71 16210-78102-71	
 H:115mm	2J FORKLIFT	KT-149W	16120-23040-71	

TOYOTA

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
 H:108mm	5R Eng 3FG 4FG FORKLIFT	KT-166W	16115-76003-71 16120-20551-71 16120-78052-71	
	2Z FORKLIFT	KT-169W	16100-78301-71	

VOLVO/DEUTZ

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	Engine TD101, TD102 TD103, TD121 TD122 Excavator EC360B EC330B	KVO-15W	8149937 20431484	
	Engine TD61, TD63 TD71, TD73 Excavator EC300, EC280 EW200, EC200 TRUCK	KVO-16W	8192050 8113522 8112185 20575653	
	Engine FH12, FM12 NH12, D12C Excavator EC460B, EC360B EC330B TRUCK, BUS	KVO-17W	8170305 20431135 20734268	
	Excavator EC160B, EC180B, EC135B, EC140B, EC290B, EC240B, EC210B, EW145B D6D, D6E DEUTZ	KVO-20W	20459004 20502535 21404502 4299142	
	TD101 TD100	KVO-21W	1545248 1698618 1699788 467907 467686	
	D7D EC210 EC290	KVO-24W	2937441	

VOLVO/DEUTZ

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	D9 D13 D16 EC380 EC480	KVO-25W	20744939 22197705	
	Deutz BF4M 1012 TRACTOR	KVO-26W	0425-9546 02931831 02937437	
	Deutz BF6M 1013 TRACTOR	KVO-27W	0425-9547 02937440	
	Deutz BF8M 1015	KVO-28W	J4260082 02937465	
	Deutz BF8M 1015	KVO-29W	J4260083 1015	
	Deutz D8K EC350D	KVO-34W	04901742	

VOLVO/DEUTZ

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	Deutz BF4M1013E BF6M1013E	KVO-36W	0293-7440	
	D13C D13K	KVO-37W	23552770	
	TD266B Deutz NEW HOLLAND TL5060 TL105	KWP-21W	51338448 12273212.	
	DUMP TRUCK A40D A35D A30D A25D	KVO-38W	11127443	
	Deutz TD3.6L4	KVO-39W	04127358 04129090	

YALE /HYSTER

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	FE 1600cc F6 1800cc F8 2000cc FORKLIFT	KMZ-07W	FE79-15-010 FE79-15-010B FE79-15-010C FE79-15-010E 8AG1-15-010A/B 8AG3-15-010/A F801-15-010B/C/D OFEIH-15-010G 9013028-02	
	F8 1800cc F2 2000cc FORKLIFT	KMZ-10W	8AK1-15-010 8AK2-15-010 8AH2-15-010 8AH4-15-010 FE1H-15-010A F02Z-8501A E92Z-8501A 9015798-01	
	XA 2500cc HA 3000cc (7 mounting bolt) FORKLIFT	KMZ-31W	8AW3-15-100/A 8AW1-15-100/A SE01-15-100 SEA1-15-100/B	
	XA HA (8 mounting bolt) FORKLIFT	KMZ-53W	9010968-72 4782-15-100C	

YANMAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	4TNE84	KYA-01W	129100-42004 729428-42003	
	4TNE88 4D84	KYA-02W	129001-42004	
	4TNE88 4D84	KYA-02W-1 w/pipe	129001-42001	
	4E4P	KYA-03W	13-509 130509	
	4TNE94L 4TNV94 R60-5	KYA-05W	129900-42002	
	4TNE94L 4TNV94 R60-5 FORKLIFT	KYA-05W-1 w/pipe	129900-42002	

YANMAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	4TNE98	KYA-06W	129470-42003	
	S4D94E S4D94L FORKLIFT	KYA-07W	12990-42055 12990-42054 12990-42053 12990-42050	
	S4D94E S4D94L FORKLIFT	KYA-07W-1 w/pipe	12990-42055 12990-42054 12990-42053 12990-42050	
	4TNE92	KYA-08W	129917-42010	
	3D84 PC20-5 PC20-6 PC30-5 PC30-6 3TNE84	KYA-09W	129327-42100	
	3D82 3TNE82 PC27-MR	KYA-10W	06051966 119810-42001	

YANMAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	Thermo King Engine TK244 TK249 TK366 TK374	KYA-11W	13-0506 1E33464G01 11-6090 11-8649 11-9452 11-9496 811-9496 813-506	
	Thermo King Engine TK395 3TNA68 EXCAVATOR	KYA-12W	13-0507 1E33466G01 11-9450 11-9497 811-9497 11-8804 813-507 119660-42009	
	3TNA72 235 353 THERMO KING TRACTOR	KYA-13W	121023-42100 13-508 11-9498 11-5436	
	3TNE75	KYA-14W	119660-42004	
	3TNE68	KYA-17W	119265-42002 119266-42100	
	4TNE106 4TNV106	KYA-18W	123900-42000	

YANMAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	4TNE106 4TNV106	KYA-18W-1 w/pipe	123907-42000	
	482 486 THERMO KING	KYA-21W	13-2572	
	4CH 6CH Marine engine	KYA-22W		
	3TNE68-TS	KYA-23W	119233-42000	
 	3TNV70 3TNV76	KYA-24W	119717-42002	
	4TNV98	KYA-25W	129927-42000 129907-42000	

YANMAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	John Deere tractor 850/950/1050	KYA-26W	721250-42700	
	John Deere tractor 850/950/1050 H:130 mm	KYA-27W	721252-42700	
	3TNE68	KYA-28W	119266-42101	
	3TNV82	KYA-29W	119802-42001	
	4TNV88	KYA-30W w/pipe	129055-42001	
	4TNV88	KYA-30W-1 w/o pipe	129055-42001	

YANMAR

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	3TN100 4TN100	KYA-31W	119006-42001 119006-42003	
	3TNE74	KYA-32W	119624-42000 119624-42001	
	4D106	KYA-33W	123900-42101 123900-42100	
	2GM 3T75	KYA-34W	121000-42100	
	MARINE 6LP/6LPA	KYA-35W	119770-00730	

CHINA TRUCK

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	WEICHAH 495 ENGINE	KWP-16W		
	WEICHAH 490B ENGINE	KWP-17W	490B-42004	
	YUCHAI 4102 / 4105 YCD4D ENGINE	KWP-18W	1DQ000-1307020B	
	DONG FANG HONG 4NC DIESEL ENGINE TRACTOR	KWP-19W	4NC510000A	
	YUCHAI ENGINE	KWP-20W	4110000909119	
	SINCHAI ENGINE 4D32XG30	KWP-25W	4D32XG30	

JOHN DEERE

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	9550,9560,9970 Cotton Picker 4630,4700,4710 TRACTOR 6510,6610 6320,6620,6820, 6920,6920S,5070M	KJD-02W	RE500734 RE505980 RE546906 SE501609 RE70687 RE70985	
	4630 TRACTOR 6105R 6115R 6125R 6105M 6115M	KJD-03W	RE546918 RE523169	
	6303 6329 6359 6059	KJD-04W-1	R502190 R67188 R73604	
	TRACTOR 455 670 2210 4100 F935	KJD-05W	MIA885024 MIA884974	
	6081 6090 16 Tooth	KJD-06W	RE521502 RE509598	
	6081 15 Tooth	KJD-07W	RE521503	

MACK

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	MAGNUM MACK EE9 530/560 16.0L MAGNUM MIDR 06.24.65 A/42 12.0L	KR-58W Long shaft	316GC1184BX 316GC1211AX 316GCA1211 5010284179 5010438102 5200537899 7485003149	
	MACK RB 11.0L,11.9L RD 11.9L,12.0L RM 11.9L,12.0L RW 11.9L,12.0L MR 11.9L,12.0L MH 11.9L,12.0L LE 11.98L,12.0L FDM 11.9L,12.0L DMM 11.9L,12.0L DM 11.9L,12.0L CX 11.9L,12.0L CL 11.9L,12.0L CH 11.9L,12.0L	KR-59W Short shaft	3161GC1219 316GC1219A 316GC1210AX 316GC1210A 360GB443 360GB443A 252535 316GC552M2X	

OTHERS

TRUCK/TRACTOR/FORKLIFT/EXCAVATOR/BUS

IMAGE	ENGINE/MODEL	NUK #	OEM #	360° SPIN
	IVECO FIAT 640 TRACTOR	KIV-16W	98497117	

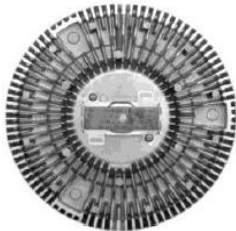
CAT

FAN CLUTCH

IMAGE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	CAT 336D2/336D2L 34DD2/340D2L C9	KCA-01F	418-2232	
	CAT 325 329 325D 329D 324D 329D2 326D C7	KCA-02F	462-9952	
	CAT 330D2 323D2	KCA-03F	418-2229	
	CAT 326D2 329D2 330D2 C7.1	KCA-04F	359-2658	

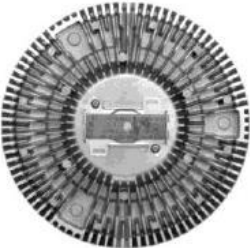
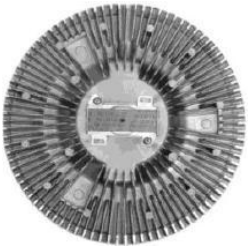
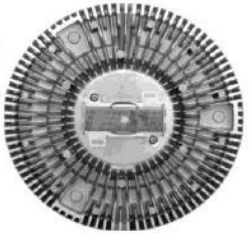
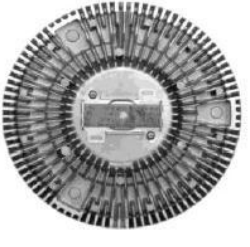
CHRYSLER

FAN CLUTCH

IMAGE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	ASKAM AS	KC-13F	27565T	FM130

DAF

FAN CLUTCH

IMAGE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	DAF95 FT 95 380 DAF95 XF FA 95 XF380/480 DAF95 XF FAD 95 XF380/480 DAF95 XF FAC 95 XF 380/430/480 DAF95 XF FAR 95 XF 380/430/480 DAF95 XF FAT 95 XF 380/430/480	KDAF-01F	1236096 1334257 1334259 1349834 1349835 1426402 1436105 1436125	6400492 298260N 4082601 8MV 376 731-341
	F2300/3300/3600 F75/85	KDAF-02F	1229554 1304249 1305179 1309649 1311271 1317003 1330723 1363378	7043126
	CF 430-480	KDAF-03F	1441774 1666157 1680937	298270N DFC047 7043402 5.41452 8MV 376 731-401
	DAF F3300	KDAF-04F	0284248	
	XF85 CF430	KDAF-05F	1449676 1449677	
	XF95 480	KDAF-06F	1236096 1334257 1334259 1349834 1349835 1426402 1436105 1436125 1319780	298260N 8MV376731-341 7043138 5.41451 V66-04-001

FORD

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	E-250 CLUB WGN E-250 SUPER WGN E-350 (SUPER) E-350 HD CLUB WGN F-150 F-250 (SUPER CAB) F-350 (SUPER CAB) V8 6.8d / 7.3d	KF-15F	E5TZ8A616C E5TZ8A616G F2UZ8A616A E8TZ8A616D	22601 2830TA 7136963 77256 A5573 FC88 36963 216001
	E-350 ECONOLINE F-250 PICKUP F-350 PICKUP F-450 SUPERDUTY PICKUP F-59 STRIPPED CHASSIS V8 7.3d	KF-22F	F2TZ8A616C F4TZ8A616B	22607 2833TA 77299 2833
	FORD - TRANSIT	KF-26F	1C428A616BA 1C4Z8A616BA	
	FORD - CARGO 431 CUMMINS - 6CTAA VW - CAMION 17/12/23/26.310	KF-27F	4C458A616AA	22056 12.020002850F.A
	FORD - CARGO 1730-2625 97-02 CUMMINS - 6CTA	KF-28F	TMX121431X	
	FORD - CARGO 1722-1730-2631 -03 CUMMINS - 6C	KF-29F	4C458A616CA	

FORD

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	FORD - CARGO 32.30	KF-30F	3C46-8A616-AA	258005N
	FORD - CARGO 25.20 26.21	KF-31F	91CT-8A616-BA	258003N
	FORD - CARGO 25.21	KF-32F	3C46-8A616-BA	258004N
	FORD V8 7.3 - E SUPER DUTY - E-350 SUPER DUTY - F SUPER DUTY - F-250 - F-350	KF-47F	F5TZ-8A616-KB	22609 2835TA 77310 15-80217 22609 A73392 FFC5835T 36750 2835 273392
	FORD V8 7.3 - RANGER 2.2 3.0 13-	KF-48F	AB39-8C617-AB	106610 1932-324
	FORD V8 7.3 - RANGER 2.2 3.0 13-	KF-48FB	AB39-8C617-AB	4860431

FORD

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	FORD -	KF-49F	EB3Q-8A616-AA	
	FORD - Ram 3500. Ram 2500. 5.7L	KF-50F	55057087AA 55056840AC 55056840AB	107620 922156 9202440
	FORD - F-150/EXPEDITION 08-07	KF-51F	7L1Z8A616A	9252370 922120 3264 22338 106180
	FORD - RANGER 2.3L L4	KF-52F	2L5Z 8A616-AA 4L5Z8A616-AA 5L5Z8A616-AA	107630 19187670 2675 922675 9252310
	FORD - E-450/F-450/F550 SUPERDUT	KF-53F	7C3Z8A616B 5C3Z8A616MA	2867 107670 922867 9254200
	FORD - E-350 5.4L V8	KF-54F	7C2Z8A616A	2918 107680 922122 9252350

FORD

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	FORD - E-150/E-250/F-150/F250	KF-55F	F7UZ 8A616-DA 5C2Z8A616-DA	2917 107690 9252340
	FORD - EXPEDITION 5.4L V8	KF-56F	9L3Z8A616B	9252390 922121 3266 22334 107720
	FORD - F-450 SUPER DUTY 6.4L D	KF-57F	7C3Z8A616F 7C3Z8A616E	3265 107730 922151 9252380
	FORD - F-250 SUPER DUTY 6.0L D	KF-58F	4C3Z8A616SA	107740 19190180 3262 9252330
	FORD - RANGER	KF-59F	JB3G-8A616-AC	G944A 2318275

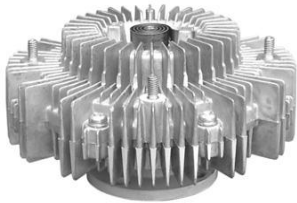
GENERAL MOTORS

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	CHEVROLET BLAZER V8 6.2d - C10/20/30/K10/20/30 PICKUP - C10/20 SUBURBAN - K10/20/30 PICKUP - K10/20 SUBURBAN GMC V8 6.2d -C15/C1500/C25/C2500 SUBURBAN - K15/25/35/K1500/2500 SUBURBAN - K15/25/35/K1500/2500 SUBURBAN JIMMY	KG-18F	14032392	22602 2828TA 7136962 77255 FC116 36962 2828 216002 116002
	AM GENERAL V8 6.5d - HUMMER CHEVROLET BLAZER V8 6.5d - C1500 PICKUP/SUBURBAN - C2500 PICKUP /G20, G30 VAN - EXPRESS 2500/3500, TAHOE GMC V8 6.5d - C1500 PICKUP/SUBURBAN - C2500 PICKUP/G25,G2500 VAN - SHAVANA 2500/3500, YUKON	KG-21F	06007274 06003082 15991496 15969543	22605 21831TA 77297 15-4522 2831
	CHEVROLET V8 6.5d - C2500 PICKUP GMC V8 6.5d - C2500 PICKUP - C3500 PICKUP	KG-22F	15671935	22606 2832TA 77298 15-4507 2832
	GMC - KODIAK 90-98 - TOP KICK 90-98 - V8	KG-23F		2834 22608 216008
	GMC - TOP KICK 02-01 - CHEVY KODIAK 8.1 L 02-01 - V6 8.1	KG-24F		2846 77707 15-40018 46035 271637
	CHEVROLET B7 SERIES 00-99 SCHOOL BUSES	KG-35F		271636 77706 15-40022 15-40031 46034 2844 22631

HINO

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	HINO	KHI-02F	16250-E0280	
	HINO - NO4C TRUCK	KHI-03F	16250-E0251 16250-78110	
	HINO - NO4C BUS	KHI-04F	S1625-01850 16250-78190	
	HINO - 700 - E13CT	KHI-05F	16250-1730A 16250-E0321	
	HINO - K13D/P11C/FE750/P09C/E13C V26C/F17D	KHI-06F	16250-1180A 16250-1181A 16250-E0150 16250-1340 16250-1341 16250-1413 16250-1470 16250-1471 16250-E0060	
	HINO - J08C - H07D - H07C	KHI-07F	16250-1441A 16250-1160C 16250-1330 16250-1311A	

HINO

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	HINO - M700 P11C	KHI-10F	16250-E0330	
	HINO - M700 P11C	KHI-10FB	16250-E0330	
	HINO	KHI-12F	16250-E0600 170808C	
	HINO 5.3L	KHI-13F	16250-1511	
	HINO P11C	KHI-14FB	16250-E0580	
	HINO P11C	KHI-15F	16250-E260	

HINO

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	HINO	KHI-16F	S1625-01120	
	HINO J04C	KHI-17F	S1625-01700	
	HINO J08C	KHI-18F	16250-E0040 16250-1311A S1625-01740 16250-1740A	
	HINO H07C	KHI-19F	16250-1311A	
	HINO J08E F20C	KHI-20F	16250-1461 16250-1460 16250-1212 16250-1211 16250-1210 16250-1091	

HYUNDAI

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	EXCAVATOR 60-9	KHY-12F	11Q6-00200	
	EXCAVATOR 225-9	KHI-13F	11Q6-01190	
	EXCAVATOR 215-9	KHY-14F	11Q6-00260	
	EXCAVATOR 385-9	KHY-15F	11Q6-00370	

ISUZU

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	ISUZU - GIGA CXM 4WF1	KI-45F	1-21650-204-0 1-21650-204-1	
	ISUZU - ELF 4JJ1 NLR85/NMR85	KI-46F	8-98024-684-0	
	ISUZU - 6WF1/6WA1/10PE1	KI-47F	8-98119-742-0 8-98071-042-0	
	ISUZU	KI-48F	8-97430-634-0	
	ISUZU	KI-49F	8-25816-289-0 8-15071-248-0 15802525 25816289	3201
	ISUZU	KI-50F	8-25790-869-0 8-10383-029-0 25790869 25790867 15293048 10383079	3200

ISUZU

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	6HK1	KI-51F	8-98075-290-1	
	6HH1 6HE1	KI-52F	8-94395-254-1 8-94391-701-0 8-94393-574-0 8-94396-674-0	
	6HE1 6HK1 6HE1	KI-54F	8-94394-011-0	
	6SA1	KI-55F	1-21650-097-1	
	6BG1 6BD1	KI-56F	1-21650-084-0	
	4HK1	KI-57F	8-98158-388-0	

ISUZU

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	6BG1	KI-58F	1-21650-085-0	
	4HL1	KI-59F	8-97330-208-0	
	4HG1	KI-60F	8-97224-604-0	
	8PE1 10PE1	KI-61F	1-21650-183-1	
	4HG1 4HL1	KI-62F	8-97224-605-0	
	6HL1	KI-63F	8-94390-678-0	

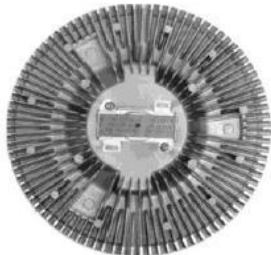
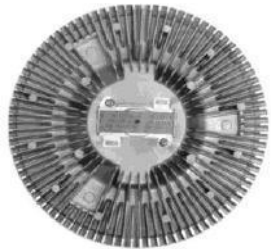
ISUZU

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	4HL1	KI-64F	8-97360-777-0	
	6WF1-TC	KI-65F	1-21650-209-1	
	6HK1	KI-66F	8-97603-300-0 8-98075-125-0	
	12PD1	KI-67F	1-21650-133-1	
	6UZ1T	KI-68F	8-97600-014-1 8-98075-118-0	

IVECO

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	EURO CARGO - 100E/130E/140E/150E/160E - 180E/320E - Eng 5880	KIV-01F	504029738	8MV 376 757-631 4180071
	EURO TECH EURO TRAKKER	KIV-02F	99487209 98112213 99450014	8MV 376 727 161 408190N 70531007 60801
	EURO STAR - LD 240/260/400/440 EURO TRAKKER - MP 190/340/400/410	KIV-03F	93190926	8MV 376 728-151 408003N 7053101 60803
	IVECO	KIV-04F	500395009	7053121 IVC109 8MV376731-241 4180041 D51V001TT

MAN

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	F2000	KMA-01F	51066300060	3.15220 268270N 26205 12142340001
	E2000	KMA-02F	51066300055 51066300061 51066300068	31001
	L2000	KMA-03F	51066300037	268028N 0720002021
	M90	KMA-04F	51066300067 51066300050	268280N 0720002031 3782801
	TGA/TGL/TGM/TGS/TGX D2066 D2676	KMA-05F	51066300130 51066300106	
	TGA/TGL/TGM/TGS/TGX D2066	KMA-06F	51066300131 51066300107	

MAN

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	MAN TGA 18-540	KMA-07FB	51066007076	

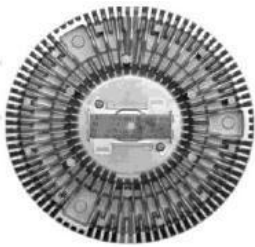
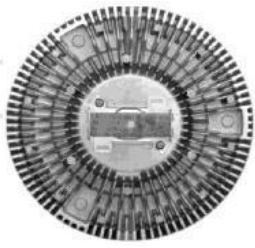
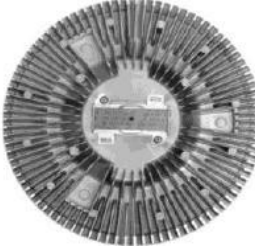
MERCEDES BENZ

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	ACTROS MP2/MP3 MK1431 SK2638S	KMB-35F	0002008222 0002007422	8MV376730-061 138015N 4.62118 0480151 2100031237
	ATEGO Eng. 6370/6374 - 1023/L, 1223/L, 1225F/AF, 1228/L - 1323KO/LKO, 1325F/AF/LS/L - 1523A/AK/K/KO/L, 1525AF - 1528AF/F/L, 923/K/L, 925AF - 815K, 823/L/K, 2523L, 2528L - 1823AK/K/LS/L, 2628 B/K - 1828A/AK/K/LS/L AXOR - 1823/K, 2523/K, 2528, 2623L, 2628L UNIMOG U400/U500 UGN NA	KMB-36F	9062001822 9062000822	8MV376732-351
	AXOR - 1835LS, 1840LS, 1843LS	KMB-37F	0002006722	8MV376730-101 128077N
	ACTROS 521831, 1831L MK SK	KMB-38F	0002003023 0002003223 0002003323 0002003522 0002003523 0002004222 0002004322 0002004422 0002004722 0002007022	8MV376728-401 138560N 0720002055 4.62120 11650 0142340000 2100025031 V30041661
		KMB-39F	0002004622 0002003923	8MV376731-421 138014N 0480141
		KMB-40F	0002003122	128054N 0380541

MERCEDES BENZ

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
		KMB-41F	0012054006 0012059506 0022056206 6111206600 6119806600	
	LK/LN2 MK NG	KMB-42F	3662004223 3662002423	8MV376730-261 138150N 62738 7031195
	ACTROS	KMB-43F	5412000022 5412000122 5412000222 5412000322 5412000422 5412000622	
	ACTROS MK SK	KMB-44F	0002008322 0002007222 0002006422	
	MBO 1219 PLUS/MBO 1419	KMB-53F	3902000022 A3902000022	
	1620 1721	KMB-57F	9042000822 9042000523 9042000422 9042001822	

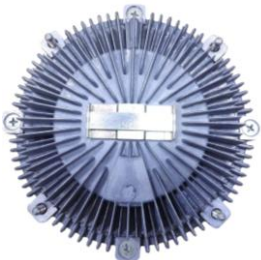
MERCEDES BENZ

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	SPRINTER 310	KMB-58F	0002005523	

MITSUBISHI (FUSO)

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	6D22 8DC11	KM-45F	ME417486 ME065702	
	6D24T 6D22T 6D20T	KM-46F	ME065702	
	4M51 FE73EC	KM-47F	ME240908	
	CANTER 6.7 4M50	KM-48F	ME411658	
	CANTER 3.5 (Euro 5)	KM-49F	ME441337	
	FV458 5 1992-1995 6D22 V8	KM-51F	ME065700	

MITSUBISHI (FUSO)

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	8M20	KM-52F	ME298475	
	8M20	KM-53F	1320A032	
	6M60 6M61	KM-55F	ME298912	
	6M60	KM-56F	ME409853	
	8M20 8M22(T)	KM-58F	ME406199	
	6M70	KM-59F	ME298274	

MITSUBISHI (FUSO)

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	6M60 6D15-T	KM-60F	ME400563	
	6D22 6D24	KM-61F	ME150690	
	6D34 6D16 6M61	KM-62F	ME075230	
	8DC	KM-63F	ME417485	

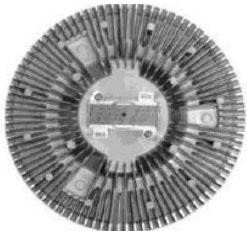
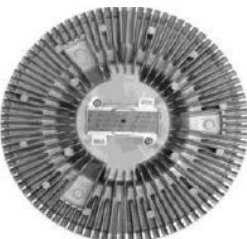
NISSAN (UD)

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	UD	KN-108F	21058-00Z03	
	UD	KN-109F	21058-97062	
	UD	KN-113F	21062-Z600B	

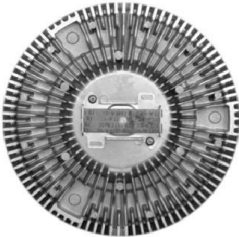
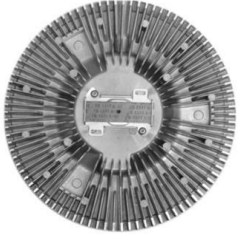
RENAULT

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	KERAX	KR-01F	5010269869 5010269871 5430128268	8MV 372 729-351 398003N 7023124 6.35025
	MAJOR R 340ti,380,385ti	KR-02F	5000670880 5010140853 5010140893	398044N 58620 REC105 7023115 35032 079.287

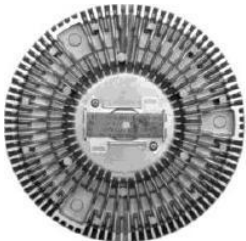
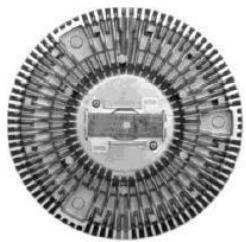
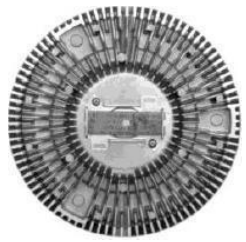
SCANIA

TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	SCANIA 4 Series 124C/360 SCANIA 4 Series 124C/400 SCANIA 4 Series 124G/360 SCANIA 4 Series 124G/400 SCANIA 4 Series 124L/360 SCANIA 4 Series 124L/400 SCANIA 4 Series 124C/420 SCANIA 4 Series 124L/440 SCANIA 4 Series 124L/470 SCANIA 4 Series T114C/340 SCANIA 4 Series T114G/340 SCANIA 4 Series T114L/340	KSC-03F	1393424 1392261	610179 25926 19.550.015 35551 58574 041.406 SCC031 278090N SCC031
	SCANIA	KSC-04F	1480770 1480769 1321877	571089 374706 106400
	SCANIA	KSC-05F	1459683 1354978	106410
	SCANIA Series P380/R380/T470	KSC-06FB	2132266 2052003 1453967 1856995	
	SCANIA	KSC-07F	2038956 1883611 2035612C 1776552C	
	SCANIA	KSC-08FB	2035612 1776552	

VOLVO

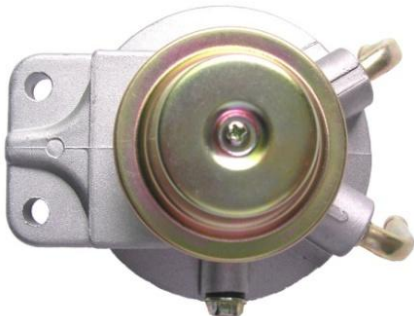
TRUCK

PICTURE	ENGINE/MODEL	NUK #	OEM #	MAKER #
	FH12	KVO-01F	1674189 1675048 1675910 20364981 20397619 3979918 8112552 8112950 8112952 8149394	288060N 8MV376731-451 7085106 2.15505
	FM9 FM12	KVO-02F	20397618 85000021 5003480	8MV376731-461 288004N 7085101 2.15511
	FM12	KVO-03F	20466633 20517745 20805992 20981224 85000097 85000281 85000587 85000738 7420547526	8MV376730-131 228018N 7085414 2.15513
	VOLVO	KVO-04F	20576186 21270991 21772668 85013142 85003135	

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-004	84133010 4988747 4944710	CUMMINS - 6BT - 6CT
	KDF-101	22301-54460	TOYOTA
	KDF-101-1 Sensor KDF-101-1S	K672-B850	TOYOTA
	KDF-102-1 Sensor KDF-102-1S	31970-44500	MAZDA
	KDF-102-2 Sensor KDF-102-2S	MB504637	MITSUBISHI - DELICA 2.5L

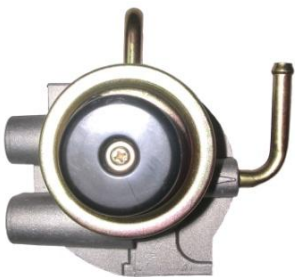
DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-103	MD129677 MB220990 MB554592 MB129677	MAZDA MITSUBISHI - CYCLONE TOYOTA -S4S FORKLIFT
	KDF-104	4023	MERCEDES BENZ
	KDF-105	0450126	MERCEDES BENZ
	KDF-107	MR244238	MITSUBISHI - L200
	KDF-107-2	MB554314	MITSUBISHI

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-107-4		KIA - KAON TRUCK
 SCREW for Filter: UNF 3/4 X 16	KDF-108	16401-44G71	MAZDA - DH3008
 SCREW for Filter: UNF 3/4 X 16	KDF-109	23301-54410	TOYOTA
	KDF-109-1	23300-64430 22301-6410A-K	TOYOTA - 1C - 2C
	KDF-110	K759-13-850K 1501-K67013	MAZDA

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-110-1 Sensor KDF-110-1S	K759-13-850K	MAZDA
	KDF-110-2	DH024	MAZDA
 45mm SCREW for Filter: UNF 3/4 X 16	KDF-111	213-T64060 23303-64060	TOYOTA
 52mm SCREW for Filter: UNF 3/4 X 16	KDF-112	63303-64060	TOYOTA - LN85
 SCREW for Filter: UNF 3/4 X 16	KDF-113	WL01-12-130A WL81-13-480	FORD - RANGER MAZDA

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
 Link x 2	KDF-116	23303-64010S	TOYOTA
	KDF-117		ISUZU - TFR
	KDF-117-1		ISUZU - TFR
 Link x 2	KDF-117-2 Sensor KDF-117-2S		FORD ECONOVAN
 30°	KDF-118	23300-64320 23301-64320 23301-17130 23301-64213	TOYOTA

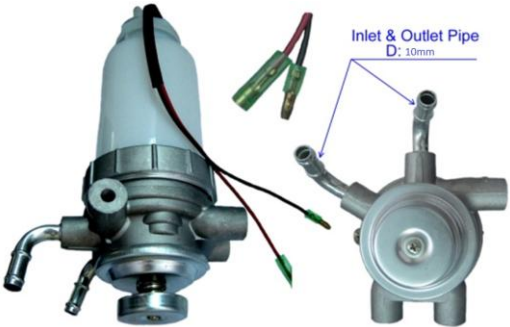
DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-118-2	23301-64320	TOYOTA
	KDF-119	23300-64010	TOYOTA
	KDF-120		FORD - MTX 2002 TOYOTA - LN105
	KDF-122		DISCONTINUE
	KDF-123		HYUNDAI

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
 SCREW for Filter: UNF 3/4 X 16	KDF-124	16400-44G10 16400-DH010	NISSAN
 SCREW for Filter: UNF 3/4 X 16	KDF-125	8-97638-783-2	ISUZU
 Link x 2	KDF-126	4-47300-215-0	MAZDA ISUZU
 Link x 2	KDF-126-1 Sensor KDF-126-1S	5-13200-220-7 8-97081-814-0 I6-13200-220-2	ISUZU - NKR - NHR
 Inlet & Outlet Pipe D:10mm	KDF-126-2 Pipe D:10mm Sensor KDF-126-2S	8-94144-933-2 8-97207-734-1 8-97081-814-A 8-97081-814-2 I6-97081-814-4	ISUZU

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-126-3 With sensor KDF-126-4 Pipe D:10mm	8-97081-814-B	ISUZU
	KDF-126-6 Pipe D:10mm KDF-126-7 Pipe D:12mm	8-98319-898-0(10mm) 8-98019-898-0(12mm)	ISUZU - NPR - Panther Touring
 SCREW for Filter: UNF 3/4 X 16	KDF-127	23300-56110	TOYOTA
	KDF-127-1 Sensor KDF-127-1S		TOYOTA 14B
	KDF-127-2 Sensor KDF-127-2S		TOYOTA 15B

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
 SCREW for Filter: UNF 3/4 X 16	KDF-129	23301-58160	TOYOTA - S2
 SCREW for Filter: UNF 3/4 X 16	KDF-129-1	23302-23040	TOYOTA - 11Z~15Z - 1 DZ - 1Z, 2Z
	KDF-131		MAZDA - R2
	KDF-132		TOYOTA
 SCREW for Filter: UNF 3/4 X 16	KDF-136		

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
 SCREW for Filter: UNF 3/4 X 16	KDF-137 Pipe D:10 mm	8-97287-518-1	ISUZU - D-MAX 3.0L
	KDF-137-1 Pipe D:12 mm KDF-137A w/filter		ISUZU - D-MAX 3.0L
 SCREW for Filter: UNF 3/4 X 16	KDF-138		TOYOTA VIGO - D4D
	KDF-139 Pipe D:10 mm	16402-VC105	NISSAN - ZD30
	KDF-139-1 Pipe D:10 mm		NISSAN - ZD30

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
 SCREW for Filter: UNF 3/4 X 16	KDF-140	23301-17150	TOYOTA
	KDF-141	R2N5-13480-A	FORD ECOVOVAN
	KDF-141-1 Sensor KDF-141-1S	R2N5-13480-A	FORD
	KDF-142	16400-11T00	NISSAN - CABSTAR
	KDF-142-1 Sensor KDF-142-1S	16400-11T00	NISSAN

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
 SCREW for Filter: UNF 3/4 X 16	KDF-143	16400-10T00	NISSAN
	KDF-143-1 Sensor KDF-143-1S	16040-T2610	NISSAN
	KDF-144	16400-6T300	NISSAN
	KDF-144-1 Sensor KDF-144-1S	16400-6T300	NISSAN
	KDF-145		TOYOTA - D4D KOMATSU - 255 FORKLIFT - 4D95

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-146	129901-55810	KOMATSU FORKLIFT - 4D94E
 SCREW for Filter: UNF 3/4 X 16	KDF-147		NISSAN - J02 FORKLIFT
 SCREW for Filter: UNF 3/4 X 16	KDF-148	16401-41K00	ISUZU - C240 FORKLIFT NISSAN - TD27
 Link x 2	KDF-149	8-94367-293-0	ISUZU - C240 FORKLIFT
	KDF-149-1		ISUZU - C240 FORKLIFT

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
 SCREW for Filter: UNF 3/4 X 16	KDF-150	23302-23440-71	TOYOTA FORKLIFT -7-8FD10-30/1DZ,2Z,3Z -7FD35-50/13Z,14Z
	KDF-151		
	KDF-152		ISUZU
	KDF-152-1 Sensor KDF-152-1S		ISUZU
 Inlet & Outlet Pipe D: 8mm SCREW for Filter: UNF 3/4 X 16	KDF-153		ISUZU - D-MAX 2.5L

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
 Link x 2	KDF-154		FORD ECONOVAN
	KDF-154-1		FORD ECONOVAN - 2.2 DIESEL
	KDF-154-2		FORD ECONOVAN - 2.2 DIESEL
	KDF-155		FC11
	KDF-155-1 Sensor KDF-155-1S		FC11

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-156	23301-56030	TOYOTA
	KDF-157	WL81-13ZAO	MAZDA - 5FD25
	KDF-158	16401-EB30A	NISSAN - NAVARA D40
	KDF-159 Pipe D:12 mm KDF-159-1 Pipe D:8 mm	1770A011	MITSUBISHI - TRITON
	KDF-159-1A Pipe D:8 mm	1770A010	MITSUBISHI - TRITON

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-160	8-97941108-4 897916993 97302015	ISUZU - D-MAX 4JH
	KDF-162	129901-55811	YANMAR
	KDF-163		TOYOTA - 7F FORKLIFT
	KDF-164A Sensor KDF-006S	ME194923	MITSUBISHI
	KDF-165	23380-5B140	TOYOTA - HILUX 1KZTE

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-169 Pipe D:10 mm	23301-17010	TOYOTA
	KDF-177A (assembly) KDF-177 (head) KDF-177F (filter)	8-98162904-3	ISUZU - TRUCK GIGA
	KDF-178A	5-4473-2150	ISUZU
	KDF-179	23300-87318	TOYOTA - 14B DAIHATSU
	KDF-180	K-670-13-850	KIA

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-181	OK71E-25-570 OK72E-13-480	KIA
	KDF-182	1770A051	mitsubishi - TRITON 2.5
	KDF-183	23301-56250	TOYOTA
	KDF-184	23380-17411	TOYOTA
	KDF-185	23380-5B151	TOYOTA

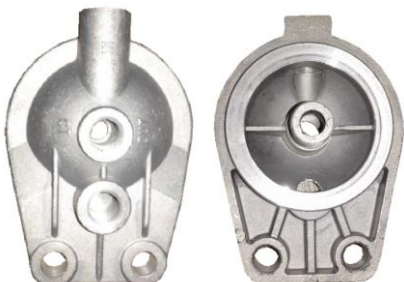
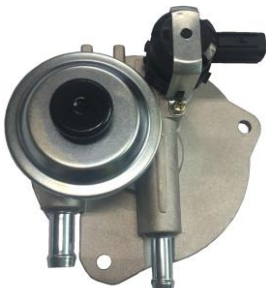
DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-186	23380-17530 23380-17531	TOYOTA
	KDF-187	23380-17451	TOYOTA
	KDF-188	OK62W-13-850	HYUNDAI
	KDF-189	31972-44002 31972-44000	HYUNDAI
	KDF-190		

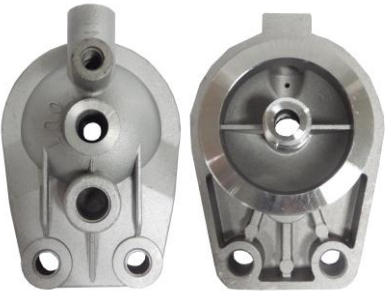
DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-191		TATA
	KDF-192		TATA
	KDF-193	16401-VK511 16401-VK501 16401-VK51B	NISSAN - D22
	KDF-194		ISUZU
	KDF-196 (head) KDF-196A	8-97916-993-0	ISUZU - DMAX

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-197	8-94168-520-PT	ISUZU - NKR
	KDF-198	CX071084	ISUZU - NPR
	KDF-200	23380-51020, 23380-51031	TOYOTA -VDJ79R 1VD
	KDF-203	- 8-97234-932-1	ISUZU - D-MAX 2004
	KDF-204	23380-51041 23380-51042	TOYOTA -VDJ200 1VD

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-205	ND086100-1400	KOMATSU -6D102
	KDF-206	ME006065	MITSUBISHI - CANTER
	KDF-207	8-97172-543-PT	ISUZU - NPR 4HF1/G1/E1
	KDF-208	- 23310-1660	HINO
	KDF-209		NISSAN - Frontier D22 TD27 engine

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-210		MITSUBISHI - EX200 6D22
	KDF-211		
	KDF-212		HINO
	KDF-213		HINO
	KDF-214		ISUZU V10

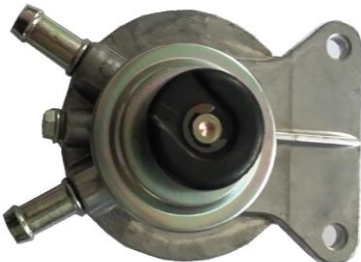
DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-215	- 23380-51060	TOYOTA
	KDF-216	16401-02N0A	NISSAN - Y60/Y61/W41
	KDF-217	23380-30301 23300-30361	TOYOTA
	KDF-218	23380-17460	TOYOTA
	KDF-219 M16*1.5 KDF-219-1 M14*1.5		TOYOTA

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-219A M16*1.5 KDF-219A-1 M14*1.5		TOYOTA
	KDF-220	ME035672	MITSUBISHI FORKLIFT - 6D1,S4K,S6K,S4S, - S6S-DTS4K
	KDF-221A	8-98150029-0	ISUZU - DMAX4KJ1/JJ 07-11
	KDF-222	8-97948892-0	ISUZU - NLR85 4JJ1/T
	KDF-223A	31970-4F101	HYUNDAI - PORTER-2.5D 06~11

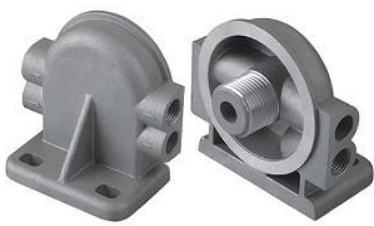
DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-224A	23930-54062	TOYOTA - HILUX - 4RUNNER
	KDF-225A	31970-4F800	HYUNDAI - PORTER II 2012~
	KDF-226		ISUZU
	KDF-227	23380-17420	TOYOTA
	KDF-228	31970-4F101	HYUNDAI - PORTER-2.5D 06~11

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-230 Pipe D:12 mm	MR450555	MITSUBISHI - PAJERO
	KDF-231 Pipe D:8 mm	MR481033	MITSUBISHI - PAJERO
	KDF-232A	8-98162903-3	ISUZU - NLR 130 4HK
	KDF-233V	09213-00050	MITSUBISHI - FORKLIFT
	KDF-234A	8-97234932-2	ISUZU - D-MAX 04

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-235 Pipe D:12 mm	MR450555	TOYOTA
	KDF-236A Pipe D:8 mm	4-47300-215-0	ISUZU - TFR
	KDF-237A Pipe D:10 mm	8-98019-898-0	ISUZU - TFR
	KDF-238 M14x1.5 Oil hole	1119ZB6-020 1119N-020	CUMMINS 6BT
	KDF-239	11110702	VOLVO

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-240A	31970-2B901	HYUNDAI - SANTA FE
	KDF-241	31925-4H001	HYUNDAI - GRAND STAREX 07
	KDF-243A	A9604701790	MERCEDES BENZ
	KDF-244A	31970-4E100	HYUNDAI
	KDF-245A	31970-4E110	HYUNDAI

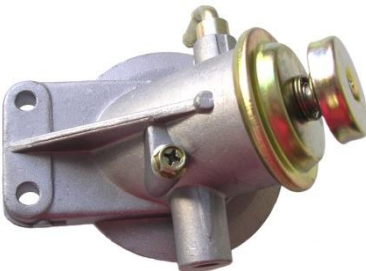
DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-246A		ISUZU
	KDF-247A	8-97504758-0	ISUZU
	KDF-248A	ME356183	FUSO - 6M70 - 8M20
	KDF-250	3-30664-700	ISUZU - TRAGA NMR71
	KDF-251	1770A451	MITSUBISHI - L300

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KDF-252A	ME303149	FUSO - 4M50 - 6M60
			-
			-
			-

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
 Diagram showing the pump with two 30° angled ports. SCREW for Filter: UNF 3/4 X 16	KT-129	23301-54460 23301-54470 23303-54460 23302-23660	TOYOTA - 1DZ FORKLIFT - 2Z FORKLIFT
	KT-129-2 Sensor KT-129-2S	23301-54460	TOYOTA - 13B
 Diagram showing the pump with a 30° angled port. SCREW for Filter: UNF 3/4 X 16	KT-129-TS	23301-54460 23301-54470	TOYOTA
	KT-130	23303-64010	TOYOTA - RN
	KT-131	23303-87001 23303-87309	TOYOTA

DIESEL FEED PUMP & FILTER

IMAGE	NUK #	OEM #	APPLICATION
	KT-131-1	23303-87309	TOYOTA
 30° 30° SCREW for Filter: UNF 3/4 X 16	KT-135	23301-17010 23301-54410	TOYOTA - MTX-LN80
 40° 40°	KT-135-1	23301-17010 23301-54410	TOYOTA - MTX-LN80

FUEL WATER SEPARATOR

IMAGE	NUK #	OEM #	APPLICATION
	KDF-2001A	23500-1010	HINO - EF750 - F17C - H07C
	KDF-2002A	ME039811	FUSO FV330/317 - 8DC91 - 6D22T - 6D16T - 6D15T
	KDF-2003A	ME121646	FUSO FV515/517 - 6M70 - FP380 - 6D22T - 6D24T
	KDF-2004A	1-14200-468-2	NISSAN - CW520
	KDF-2005A	23330-E0030	HINO - J08E - GH8J

FUEL WATER SEPARATOR

IMAGE	NUK #	OEM #	APPLICATION
	KDF-2006A	23330-E0020	HINO - J05D - N04C
	KDF-2007A	23300-E0260	HINO - Marine engine
	KDF-2008A	44803-1080	HINO - EF750 - F17C - K13C
	KDF-2005C	2336-01080	HINO - J08E - FG8J - GH8J
	KDF-2009C	23311-1390 1-13212-176	HINO - F20C - K13C - J05C ISUZU -6WA1

FUEL WATER SEPARATOR

IMAGE	NUK #	OEM #	APPLICATION
	KDF-2010A	1-13201-015-1 ME300350	FUSO - FVR/FSR/FM65 - 6M60 - 6WA1
	KDF-2011A	8-94144-933-RA	ISUZU - NPR 4BE1/4HF1/ - NPR 58
	KDF-2012A	8-98086-193-1	ISUZU - 4HK1 - 6HK1
	KDF-2013A	8-97188-042-0	ISUZU - 4HK1
	KDF-2014A	0004700469	BENZ

FUEL WATER SEPARATOR

IMAGE	NUK #	OEM #	APPLICATION
	KDF-2015A	32/925914 32/925735 32/925717 32/925914	JBC - 3CX - 4CX

FUEL FILTER ASSY

IMAGE	NUK #	OEM #	APPLICATION
	KDF-166A	23300-78252	HINO -NO4C EURO 4
	KDF-201A	23300-0L042	TOYOTA - HILUX 1KD, 2KD
	KDF-202A	U212-13-480A/B AB39-9155-DD 522462	FORD - RANGER 2.2
	KDF-3003A	23300-30211	TOYOTA - HIACE
	KDF-3004A	8-98184-213-0	ISUZU - DMAX

FUEL FILTER ASSY

IMAGE	NUK #	OEM #	APPLICATION
	KDF-3005A	8-98184-212-1	ISUZU - DMAX
	KDF-3006A	8-98067-761-3	ISUZU - DMAX
	KDF-3009A	23300-0L110 23300-0L111 23000-0L100	TOYOTA
	KDF-3010A	8-98182446-0	ISUZU - DMAX
	KDF-3011A	23300-78473	HINO -NO4C EURO 5

FUEL FILTER ASSY

IMAGE	NUK #	OEM #	APPLICATION
	KDF-3012A	1770A223	MITSUBISHI - PAJERO L200
	KDF-3013A	23330-78102	HINO - Euro 5 2012

