



The Geara International

MANUFACTURERS & EXPORTERS : SPARE PARTS FOR DIESEL ENGINES,
TRACTOR ENGINES, MARINE ENGINES & AUTOMOBILES

162, INDUSTRIAL ESTATE, NUNHAI, AGRA-282 006 (INDIA)

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ENGINE VALVE

OE Ref.	Engine/ Model No.	Degree	D	d	L	GROOVE	EN18D	SS	EN52	BIMETAL	214N	CHROME	NITRIDED
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CAR

CHEVROLET

IN-1024	96440081	F 14D3	45	28.6	6	101.6	1						
EX-1024	PRIDE EURO4	F 14D3	45	27.3	6	101.3	1						

CITROEN/XANTIA

IN-338	94892	2.0 16V	45	34.6	6	106.3	1					Y	
EX-338	94992	2.0 16V	45	29.6	6	105.7	1					Y	

HYUNDAI

IN-1001	22211-42220	D4BA/D4BB	45	42	8	132.2	1						
EX-1001	22212-42220	D4BA/D4BB	45	36	8	132	1						
IN-234	22211-27000	D3EA/D4EA	45	28.5	6	95.7	1					Y	Y
EX-234	22212-27000	D3EA/D4EA	45	24.4	6	95.4	1					Y	Y
IN-1032	22211-02500/G4GC	SANTRO(12V)	45	23	5.4	113.3	1						
EX-1032	22212-02500/G4GC	SANTRO(12V)	45	27.1	5.4	100.1	1						
IN-1034	22211-22003	ACCENT PETROL (12V) 1.5	45	27.4	6	99	1						
EX-1034	22212-22011	ACCENT PETROL (12V) 1.5	45	32	6	98.4	1						

ISUZU

IN-077 /294	8-94133- 275-1	4JB1T / 4JA1	45	40.2	8	118.1	1						Y
EX-077 /294	8-94547- 875-1	4JB1T / 4JA1	45	35.7	7.9	118	1						Y
IN-295	8-94394- 160-1	6HE1	45	50	9	141	1					Y	
EX-295	8- 943945 - 462-0	6HE1	45	42	9	140.6	1					Y	

IKCO IRAN

IN-1062/457	ROA SAAL	OHV	45	37.86	6.92	109.83	3						
EX-1062/457	ROA SAAL	OHV	45	32.71	6.92	109.83	3						

KIA

IN-114	MB301-12-111	PRIDE	45	32	7	105.3	1						Y
EX-114	MB301-12-111	PRIDE	45	28	7	104.1	1						Y
IN-114A			45	32	7	105.3	1					Y	
EX-114A			45	28	7	104.1	1					Y	
IN-1040	OK30E12111	A5D RIO 16V	45	27.8	5.5	96.4	1					Y	
EX-1040	OK30E12121	A5D RIO 16V	45	24.9	5.5	95.5	1					Y	
IN-1010		2.7 BESTA	45	41	9	114.6	1						Y
EX-1010		2.7	30	35	9	114.6	1						Y
IN-1011	RF01-12111	2.2D	45	41	8	108	1						Y
EX-1011	RF01-12121B	2.2D	45	36	8	107.8	1						Y



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IN-1012	OK65D2111	27J2	45	44	8.5	112.9	1							Y
EX-1012	OK65B12121	27J2	45	37.3	8.5	112.9	1							Y
IN-1031	PRIDE EURO4	3 GROOVE	45	33.5	7	105.7	3							Y
EX-1031	PRIDE EURO4	3 GROOVE	45	28	7	104.7	3							Y

LEYLAND

IN-1076	AMK1567	3DL/4DM	45	39.6	8.75	146.1	1							
EX-1076	AMK48	3DL/4DM	45	35.75	8.745	146	1							
IN-1075	86K943	262/462	45	43.1	8.75	148.1	1							
EX-1075	86K944	262/462	45	38.1	8.75	148.1	1							

MAZDA

IN-039	SL01-12111	T3500	45	45.5	9	114.6	1							
EX-039	SL70-12121A	T3500	30	38.3	9	114.5	1							
IN-086	F601-12111	F6-1600	45	42.1	8.04	108.5	1							
EX-086	F601-12121	F6-1600	45	33	8.04	107.01	1							
IN-301	F801-12-111	FE-2000	45	44	8.04	111.9	1							
EX-301	F801-12121A	FE-2000	45	36	8.03	111.75	1							
IN-342	WL0112111 /WL5112111	2500 12V	45	32.7	7	111.9	1							Y
EX-342	WL0112121 /WL5112121A	2500 12V	45	35.6	7	111.9	1							Y
IN-1020	F201-12111 / F202-12111	F2 12V	45	32.6	6.98	115.7	1							Y
EX-1020	F201-12121 / F201-12121A	F2 12V	45	34	6.97	116.1	1							Y

MITSUBISHI

IN-1003	MD301193/159502	2.0 16V	45	33	6	112.5	1						Y	
EX-1003	MD197097/199193 /306183/306177	2.0 16V	45	29	6	114	1						Y	
IN-038	ME013810	4D34	45	44	8.9	136.8	1							Y
EX-038	ME220217	4D34	45	37.1	8.9	136.9	1							Y
IN-351	MD198404	4D56T	45	39.8	8	130.1	1							Y
EX-351	MD198406	4D56T	45	34	8	129.9	1							Y
IN-419	ME 200050	4M40	45	41	8	108.6	1							Y
EX-419	ME 200051	4M40	45	35	8	108.4	1							Y

NISSAN

IN-118	13201- N8501	NISSAN Z-24	45	42	8	124.4	1						Y	Y
EX-118	13210- N8500	NISSAN Z-24	45	38	8	125.3	1						Y	Y
IN-118A	13201-N-8501	NISSAN Z-24	45	42	8	124.4	1							Y
EX-118A	13210-N/8500	NISSAN Z-24	45	38	8	125.3	1							Y
IN-238	13201-9E000/ 13201-VJ260	KA 24 DE	45	36.6	7	101.1	1							Y
EX-238	13202-9E000/ 13202-VJ26A	KA 24 DE	45	31.3	7	98.8	1							Y



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PAYKAN

IN-165 STD	71262713/25552400	AVENGER	45	38	7.91	110	1						Y	Y
EX-165 STD	71250985/2555800	AVENGER	45	31	7.87	110	1						Y	Y



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IN- 165 0.10	71262714	AVENGER	45	38	7.99	110	1						Y	Y
EX- 165 0.10	71250986/71261359	AVENGER	45	31	7.95	110	1						Y	Y
IN- 165 0.20	71262715	AVENGER	45	38	8.28	110	1						Y	Y
EX- 165 0.20	71250987	AVENGER	45	31	8.25	110	1						Y	Y
IN- 165 0.30	71262716	AVENGER	45	38	8.67	110	1						Y	Y
EX- 165 0.30	71250918	AVENGER	45	31	8.63	110	1						Y	Y

PEUGEOT

IN- 194	948.56	XU7 1800CC	45	41.6	8	108.8	1						Y	Y
EX-194	949.57	XU7 1800CC	45	34.5	8	108.4	1						Y	Y
IN-195	94854	XU9-2C	45	39.5	8	105.2	1						Y	
EX-195	94954	XU9-2C	45	33	8	105.2	1						Y	
IN-255	948.91	TU3 1400CC	45	36.7	7	112.8	1						Y	
EX-255	949.59	TU3 1400CC	45	29.2	7	112.6	1						Y	
IN-297	0948.A9	TU5 16V 1600CC	45	31.2	6	103.7	1						Y	
EX-297	0948.A8	TU5 16V 1600CC	45	24.4	6	104.2	1						Y	
IN-224	94874	TUD5 1527CC	45	37	7	108.4	1							Y
EX-224	94980	TUD5 1527CC	45	31.5	7	108.2	1							Y
IN-021	094894/ 094859/ 094863	XUD7/ XUD9	45	38.5	8	112.4	1							Y
EX-021	094947/ 094960/ 094964	XUD7/ XUD9	45	33	8	112	1						Y	Y

RENAULT

IN-408	7701471378 /7701472124	K4M/4KJ	45	32.7	5.5	109.3	1							Y
EX-408	7701471379 /7701473354	K4M/4KJ	45	28	5.5	107.7	1							Y
IN-438	7701474287/1279/F4/R /F4P	MEGANE 2.0 16V	45	33.4	5.5	110	1							
EX-438	7701473101/1280/F4/R /F4P	MEGANE 2.0 16V	45	28.9	5.5	108.9	1							Y

ROVER

IN-066	ERR 3777	HSD 2.1L/ MAXION	30	38.9	8	116.3	3						Y	
EX-066	ERR 1156	HSD 2.1L/ MAXION	45	36.5	8	116.5	3						Y	

SAIPA

IN-1050	TN030-13202	TIBA	45	37.5	5.99	105.37	3							
EX-1050	TN030-13202	TIBA	45	30.5	5.98	104.44	3							

SAMAND

IN-1005	K914564998A	EF7 1.7L	45	31.3	5.5	109.25	1						Y	
EX-1005	K914564548A	EF7 1.7L	45	26.5	5.5	109.35	1						Y	

TOYOTA

IN-148	13711- 54020	3L	45	42.5	8	103.5	1							Y
EX-148	13715- 54040	3L	45	36.1	8	103.4	1							Y
IN-148 A	13711-54040	3L	45	42.5	8	104.4								Y



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EX-148 A	13715-54050	3L	45	36.1	8	104.2								Y



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HEAVY COMMERCIAL VEHICLES

IVECO

IN-281	98497025 /4849522 /4837598/ 4837679		30	57.5	11	171	1					Y	
EX-281	98407026 / 4673861		45	47.8	11	169.7	1					Y	
IN-318	98474603		30	57.4	11	170	1					Y	
EX-318	98474604		45	47.8	11	169.7	1					Y	

MAN

IN-025	51041010348/375 /478	2565-2840 /66/76	30	58	12	142.5	1					Y	
EX-025	51041010367/447 /479	2565/66 -2840/66 /76	45	51	12	142.5	1					Y	
IN-336	51041010574	D 2066	30	40	9	160.4	3					Y	
EX-336	51041010575	D 2676	45	38	9	160.4	3					Y	

MERCEDECES

IN- 018	366 050 1226	OM-364/ 366	20	42	9	140.5	1					Y	
IN-018A	366 050 0326/ 376 053 0101 /366 050 0726	OM-366A	30	42	9	140.5	1					Y	
IN- 019	352 053 0101	OM-352	45	44	9	140.5	1						
EX-019	352 053 1505/ 366 050 0027	OM-352/ OM-366	45	36	10	140.5	1					Y	
IN-019A	366 050 0226	OM- 366A	30	44	9	140.5	1					Y	
IN-023	355 053 0001	OM- 355A	30	42	9	130.6	1					Y	
EX-023	355 053 0005/ 355 050 0027	OM- 355A	30	37	9	165.9	1					Y	
IN-024	346 053 0001/346 053 0101	OM- 355	45	42	9	130.6	1					Y	
EX-024	346 053 0105/ 346 053 0005/355 050 0127	OM- 355	45	37	9	165	1					Y	
IN-025	422 053 0101/ 442 050 0226	OM- 422	30	59	12	142.5	1					Y	
EX-025	422 050 0127/ 442 050 0327	OM- 422	45	51	12	142.5	1					Y	
IN-026A	422 050 0026	OM- 422	30	59	12	142.5	1					Y	
EX-026A	422 050 0027	OM- 422	45	51	12	142.5	1					Y	
IN-236	541 050 0226	OM- 501 24V	30	45.5	9	145	1					Y	
EX-236	541 050 0227	OM- 501 24V	45	41	9	145	1					Y	
IN-244	906 050 0326	OM904/ 906 18V	20	34	8	128.7	1					Y	
EX-244	906 050 0327	OM904/ 906 18V	45	37.9	8	152.5	1					Y	
B25	442 016 0391	OM-442/ 443/ 444	45	17	8	90.3	1					Y	
B236	541 016 0791	OM-501/ 502	45	17	8	86.8	1					Y	
B244	906 016 0791	OM-906/924/ 926	20	15.2	6	81.7	1					Y	
IN-270	6110530101/ 6110530401	OM-611/612	45	30.1	7	104	1						Y
EX-270	6110530105/ 6110500127	OM-611/612	45	28.4	7	104.4	1						Y



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IN-280	457 050 0226	OM- 457 24V	30	45.5	9	145	1						Y	
EX-280	457 050 0227	OM- 457 24V	45	41	9	145	1						Y	



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							<--	<--	<--	<--	<--	<--	<--

NAVISTAR

IN-348	1826471CI		30	50	9.5	152.2	1					Y	
EX-348	1824840CI		45	45.4	9.5	152.2	1					Y	

RVI-RENAULT TRUCK

IN-1035	5000667762	MIDR 302.26	30	46.5	10	140.2	1					Y	
EX-1035	5000676258	MIDR 302.26	45	40.5	10	140.2	1					Y	

SCANIA

IN-070	1361191/1360836	DSC11/14 T	20	54	11	162.5	1					Y	
IN-070A	1361192/1361190	DS1011/14T	30	54	11	162.5	1					Y	
EX-070	1360834/1397521	SDS/DSC10/11 /14T	45	44.6	11	162.5	1					Y	
IN-347	1886246	DCQA	20	44	10	171.4	4					Y	
EX-347	1886247	DCQA	45	41	10	171.5	4					Y	
EX-347A	2023341	DCQA	30	41	10	171.5	4					Y	

SINO TRUCKS

IN-312	61560050042	STEYR WD 615.46/47	35	55	11	159.4	1					Y	
EX-312	61560050041	STEYR WD 615.46/47	45	50	11	159.4	1					Y	

TATA

IN-020		407	30	44	9	140.70	1						Y
EX-020			45	36	9.935	140.70	1						Y
IN- 018	366 050 1226	OM-364/ 366	20	42	9	140.5	1					Y	
IN-018A	366 050 0326/ 376 053 0101 /366 050 0726	OM-366A	30	42	9	140.5	1					Y	
IN- 019	352 053 0101	OM-352	45	44	9	140.5	1						
EX-019	352 053 1505/ 366 050 0027	OM-352/ OM-366	45	36	10	140.5	1					Y	
IN-019A	366 050 0226	OM- 366A	30									Y	
IN-065	27905104	INDICA/ACE											
EX-065	27905105	INDICA/ACE											
IN-112		STD	30	45	8	129.2	1					Y	
IN-112		STD	30	45	8	129.2	1					Y	
IN-112 CNG			35	44.5	8	129	1						Y
EX-112 CNG			35	42	8	129	1					Y	
IN-112 .003"			30	45	8	129.10	1					Y	
EX-112 .003"			45	42	8.05	129.10	1					Y	
IN-112 .005"			30	45	8.10	129.10	1					Y	
EX-112 .005"			45	42	8.10	129	1					Y	
IN-112 .010"			30	45	8.235	129.10	1					Y	
EX-112 .010"			45	45	8.235	129	1					Y	



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IN-264 .005"			30	33	7.115	124.70	1						Y	
EX-264 .005"			45	33	7.115	124.70	1						Y	



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IN-1008		IRIS	45	40.5	8	108.5	1							Y
EX-1008		IRIS	45	37	8	108.5	1							Y

VOLVO

IN-288	20459326	D12D	30	40	8	191.7	1P						Y	
EX-288	20441486/ 8148574 /3165234	D12D	45	40	8	191.5	1						Y	
IN-115	468302-5	TD120/1/ 2/ 3	30	54	11	167.2	1						Y	
EX-115	468303-3	TD120/1/ 2/ 3	45	50	11	167.2	1						Y	
IN- -227	467502-1/ 1545290/ 479204 /8194223	TD100 A	30	50	11	167.2	1						Y	
EX-227	467503/ 467682/ 467855-3/ 467857/ 8194224	TD100 A	45	46	11	167	1						Y	
IN-362	20740798	FH12 440-460-480 24V	25	42	8	192	3						Y	
EX-362	20768519	FH12 440-460-480 24V	40	40	8	191.7	3						Y	
IN-1009	20528110	FM9[D9A]	30	38	8	192	1						Y	
EX-1009	20516141	FM9[D9A]	30	38	8	191.7	1						Y	

TRACTORS

CASE

IN-1074	3055055R2		45	43	9.95	145	1							
EX-1074	3055056R2		45	41	9.95	146	1							
IN-001	3040361R1,704434R1		45	37.3	8.7	147.6	1							
EX-001	3043825R1		45	29.8	8.7	147.6	1							

DAVID BROWN

IN-214	K928622	1494/15/16	45	38.1	9.5	124.4	1							
EX-214	k928622	1494/15/16	45	38.1	9.5	124.4	1							
IN-1072	K950100	50D,850	45	34.5	8.6	141	1							
EX-1072	K950100	50D,850	45	34.5	8.6	141	1							

BEDFORD

IN-036	6384866	J-6	30	43	8.7	141.5	1							
EX-036	8854549	J-6	45	37.5	8.7	141	1							

BELARUS

KAVIN-354	MTZ-50		45	47.5	11	158	1							
KAVEX-354	MTZ-45		45	92	11	158	1							

JOHN DEERE

IN-000	R520224	30	30	40.2	8	162.3	1							
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ENGINE VALVE

KAV Ref.	OE Ref.	Engine/ Model No.	Degree	D	d	L	GROOVE	<-- EN18D	<-- SS	<-- EN52	<-- BIMETAL	<-- 214N	<-- CHROME	<-- NITRIDED
EX-000	R520223	30	30	40.2	8	162.3	1							
IN-000	RE557891													
EX-000	RE531221													



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IN-198	R79623	300 SERIES	45	45	9.44	131	1						Y	
EX-198	R79624	300 SERIES	45	40	9.45	131	1						Y	
IN-198 (003)	R79628	300 SERIES	45	45	9.56	131	1						Y	
EX-198 (003)	R79625	300 SERIES	45	40	9.54	131	1						Y	
IN-198 (015)	R79629	300 SERIES	45	45	9.86	131	1						Y	
EX-198 (015)	R79626	300 SERIES	45	40	9.84	131							Y	
IN-198 (030)	R79630	300 SERIES	45	45	1.24	131	1						Y	
EX-198 (030)	R79627	300 SERIES	45	40	10.22	131	1						Y	
IN-303	R98062	4039/4045 / 6059/ 6068	30	46.5	8	134.1	1						Y	
EX-303	R90692	4039/4045/ 6059/6068	30	42.5	8	133.5	1						Y	
IN-303 (015)	R97490	4039/4045/6059/ 6068	30	46.5	8 (+0.015)	134.1	1						Y	
EX-303 (015)	R97492	4039/4045/6059/ 6068	30	42.5	8 (+0.015)	133.5	1						Y	
IN-349	R26124	400 SERIES	45	45.2	9.44	159	2						Y	
EX-349	R26123	400 SERIES	45	40.4	9.44	159.7	2						Y	
IN-1077	R502369,R518806, R536135,RE518080, RE557890,RE557891		30	37	7	135.4	2						Y	
EX-1077	R502370,R524875 ,R536136,RE518081, RE557891		30	36	7	135.4	1						Y	

FIAT

IN-000							1							
EX-000	04673608, 4618867, 4621484, 4673608		45	36.9	8	125.8	1							
IN-106	1801963/1902205 /4659379	830.02/8035.02	45	44	8	125.5	1						Y	
EX-106	4621484/4673608 /4658055	8030.02/8035.02	45	37	8	125.5	1						Y	
IN-107	98435622/4784888	450/470/480	30	45.5	8	125.8	1							
EX-107	4784889	450/470/480	45	37.5	8	125.8	1						Y	

FORD

IN-000	81865092,83999675,E9NN650 7AA,E9NN6507AC	POWER STAR	30	47.5	9.5	146.75	1							
EX-000	81865088,82850523, 87802147,8983281, F0NN6505AC, F0NN6505AD	POWER STAR	45	43	9.4	146.4	1							
IN-000	81865095,82850527, 82850530, 87790272,F2NN6507AB	POWER STAR	30	47.5	9.5	146.75	1							
IN-035 0.015"O/S	C5NN6507D[0.015"]	MAJOR/SUPER	45	45.9	9.81	146	1							



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EX-035 0.003"O/S	81823824,81842751, 81842751, 81859474,87800345,C5NE650 7B,C5NN6507C,D3NN6507B		45	45.9	9.5	146	1							



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ENGINE VALVE

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EX-035A	81818723,83999663, 87800337,C5NE6505B, C7NN6505B,C7NN6505B,D3 NN6505F,D3NN6505B,E9NN 6505BA	3500/5600	45	38.4	9.48	146	2							
IN-000	81865088,81842754, 81865609,83912953, 87800386,87802264, DONN6507J,D3NN6507E,D8 NN6507AA, D8NN6507AB	POWER STAR	30	46.7	9.5	146	1							
EX-035A	81823800,81843391, 83903690,83909917, 83912598,87800340, 87802143,87802262, C9NN6505E,D0NN6505A,D6 NN6505A,D8NN6505AA,D9N N6505E	MAJOR/SUPER	45	38.4	9.5	146	2							
IN-035 0.030 O/S	C5NN6507F,D3NN6507D		45	45.9	10.19	145.9	1							
EX-1068 0.030 O/S	81843654,87800339, 87800343,C7NN6505H, D3NN6505D, D8NN6505DA, E9NN6505DA		45	38.4	10.17	145.9	2							
IN-1069 0.015" O/S	C5NN6507D,D3NN6507C	MAJOR/SUPER	45	45.9	9.81	145.9	1							
EX-1069 0.015 O/S	C7NN6505G,DNN6505C	MAJOR/SUPER	45	38.4	10.1	145.9	2							
EX-000	8,780,225,887,802,260	TM140/150	45	43	9.5	146.5	4							
IN-1070	693F6507BAA, 723F6507AAA 723F6507GAA, 813F6507DA	8100	30	45.2	9.485	155.7	1							
EX-1070														
EX-000	81865085,83999666, E9NN6505EA,E9NN6505EC		45	43	9.41	146.4	1							
IN-1078	E1ADDN-6507		30	43.8	9.48	158.35	1							
EX-1078	81538372,81702234, 723F6505AAA, 723F6505ABA, E1ADDN6505C	MAJOR/SUPER	30	39	9.485	156.7	1							
EX-000	723F6505GAA		30	39	9.48	156.5	1							
EX-1071	0.015		45	38.5	9.79	146	2							

FORD-FORDSON

IN-035	C5NN6507B	4000/5000	45	45.9	9.4	145.86	1							
EX-035	C7NN6505E	4000/5000	45	38	9.4	145.86	1							
IN-259	1145933/1152191	1.4TDCI	45	32.8	5.5	97.3	3							
EX-259	1145932/1152190	1.4TDCI	45	30.3	5.5	97.3	3							



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IN-1025	81710772/EIADDN6507	4D/6D THAMES TRADER	30	43.8	9.5	158.9	1							
EX-1025	81854802/EIADDN6505C	4D/6D THAMES TRADER	30	39	9.5	156.5	1							



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IN-000	3142H002		30	44.2	9.48	123	1						
EX-000/O/S 003	3142A053, 31431332, 314318882/741937M1		45	36.5	9.535	123.4	1						
IN-008	731151M1 /732811M1 / 31431261	3.152 / 4.203	45	39	7.9	114.3	1						
EX-008	731152M1/ 737640M1	3.152 /4.203	45	33.4	7.9	114.3	1						
IN-010	31431281	D3.152/ D4.203	45	39	7.9	114.3	1						
EX-010	31431271/ 31431591/ 31431941	D3.152/ D4.203	45	33.4	7.9	114	1						
IN-011	31431871/ 31431315/ 733819M1	4.248/ 6.354	45	44.2	9.5	122.8	1						
EX-011	31431109/ 31431791/ 733818M1	4.248/ 6.354	45	36.6	9.5	123.3	1						
IN-058	3142L072	T6.60/T4.40 PHASER	30	45	9.5	122.9	1						
IN-058A	3142L071/ 3142LO51	T6.60/T4.40 PHASER	45	45	9.5	122.9	1						
EX-058	3142A051	T6.60/T4.40 PHASER	45	37.4	9.5	123.3	1						
IN-364	120166290	400 SERIES	45	34	7	98.3	1						
EX-364	120176300	400 SERIRS	45	30	7	98.3	1						
IN-326	3142H071	1104/1106	30	46.4	9	129.1	1						
EX-326	3142A151	1104/1106	30	41.6	9	129.2	1						
IN-266	120166350	403/404	45	37	7	99.5	1						
EX-266	120176360	403/404	45	33	7	99.5	1						
IN-430	3142H091	1104D	Page 16 OF 23										



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EX-430	3142A181	1104D												Y



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ENGINE VALVE

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IN-468	314ZH041	700 SERIES	45	45	7	106.4	3						
EX-468	3142A101	700 SERIES	45	34	7	106.3	3						
IN-1046	3142H041	1004	45	45	9	124.1	1					Y	
EX-1046	3142D061	1004	45	42	9	124.1	1					Y	
IN-1047	3142D041	1004 TURBO	45	43	9	122.9	1					Y	
EX-1047	3142D031	1004 TURBO	45	41.1	9	123	1					Y	
IN-1048	3142L081/3142L088	1000 SERIES	30	43	9	123	1					Y	
EX-1048	3142D051	1000 SERIES	30	41	9	123	1					Y	
IN-1063	31431681	3.152.4	35	39	7.9	114.3	1					Y	
EX-1063	3142A081	3.152.4	35	33.4	7.9	114.3	1					Y	
IN-1073	70910035, 70998082	450/5360	45	44.1	9.48	122.7	3					Y	
EX-1073	70910036, 70998019	460/5360	45	38.2	9.46	123.2	3					Y	

UTB

IN-064	103-02-117	UTB-650	45	41	11	167.5	1 SP						
EX-064	103-02-118	UTB-650	45	37	11	167.5	1 SP						

ZETOR/URSUS

IN-032	950505	2001/3001/ 4001	45	39.2	8	129.4	spec						
EX-032	950506	2001/3001/ 4001	45	33.2	10	127.5	spec						
IN-33	50.00847.0		45	44.5	9	144.9	1						
EX-33	50.00848.0		45	36.5	9	144.9	1						
IN-079	69010554	4 cyl	45	44.5	10	129.5	1						
EX-079	69010555	4cyl	45	36.6	10	129.5	1						

EARTH MOVING

CATERPILLAR

IN-058	7W-4602	3024	45	37.4	9.5	123.3	1					Y	
IN-058A	100-4626		30	45	9.5	122.9	1					Y	
IN-058A	61-1196	3024	45	45	9.5	122.9	1					Y	
IN-220	6N9915/ 7N0572	3304T/3306T	30	51.5	9.5	136.5	2						
EX-220	6N9916/ 7N0573	3304T/3306T	30	48	9.5	135	2						
IN-220A	5S6452	D330	30	51.5	9.5	140	2						
EX-220A	5S6449	D330	30	48.2	9.5	139	2						
IN-266	1566985		45	37	7	99.5	1						Y
EX-266	1566986		45	33	7	99.5	1						Y
IN-326	2255495	1104/1106	30	46.4	9	129.1	1					Y	
EX-326	2255499	1104/1106	30	41.6	9	129.2	1					Y	
IN-1046	176-3134	3054B	45	45	9	124.1	1					Y	
EX-1046	176-3137	3054B	45	42	9	124.1	1					Y	
IN-1047	138-2052		45	43	9	123	1					Y	
EX-1047	138-2050		45	41	9	123	1					Y	



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IN-1048	145-6855	3054/3056T	30	43.1	9	123	1							
EX-1048	145-6857	3054/3056T	30	41	9	123	1							
IN-468	1457503	3034	45	42	7	106.4	3							
EX-468	1457499	3034	45	34	7	106.3	3							



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ENGINE VALVE

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CUMMINS

IN-112	3901117/ 3802355 /3920867	BT	30	45	8	129.2	1					Y	
EX-112	3901607/ 3802356 /3920868	BT	45	42	8	129	1					Y	
IN-189	3802275 / 3802463 /3924472 / 3924492	CT	30	52	9.5	151	1					Y	
EX-189	3902254/3802085/3921444	CT	45	46	9.5	150.9	1					Y	
IN-353	3942588/ 3800340	ISC	30	38	8	137.8	1					Y	
EX-353	3942589/ 3800341	ISC	45	38	8	137.9	1					Y	
IN-264	3802924/ 3940735	ISB	30	33	7	124.6	1					Y	
EX-264	3802967/ 3940734/ 3968183	ISB	45	33	7	124.7	1					Y	
IN/EX-237	145701	NT-855	30	47.5	11.5	179.5	2					Y	

JCB

IN-392	320/03612	3CX/4CX	30	36.3	6.9	132.1	3					Y	
EX-392	320/03616	3CX/4CX	45	33.6	6.9	132.1	3					Y	

KOMATSU

IN-095	6207.41.4110	4D95	45	44	8	128	1						
EX-095	6204.41.4110	4D95	45	37.9	8	128	1						
IN-228	6150.41.4111	125	30	45	9	169.3	1					Y	
EX-228	6150.41.4120	125	45	44.1	9	169.3	1					Y	
IN-229	6127.41.4113	155	30	56	11	212.5	1					Y	
EX-229	6127.41.4214	155	45	53	11	212.5	1					Y	
IN-393	6215.41.4110	40	30	52	10	169.2	1					Y	
EX-393	6215.45.4250	140	45	50	10	169.2	1					Y	

STATIONARY ENGINE

AP

IN-1008		IRIS	45	40.5	8	108.5	1						
EX-1008			45	37	8	108.5	1						

DEUTZ

IN-051	2137301/ 2137457/ 4150036/ 4153629/ 4153631/ 4153773	912/913	45	43	8	133	1						
EX-051	2137300/2232717/2237221/33 71762/4153696/4153697	912/913	45	37	8	133	1						
IN-185	4230567/ 4159138/ 4159136	912/913 TURBO	45	43	8	133	3						
EX-185	4159137/ 4159139	912/913 TURBO	45	37	8	133	3						
IN-222	2402585/4146225/26	413/513	45	53.6	10	165	1					Y	
EX-222	2148906/2148907 /2412165	413/513	45	46.6	10	165.3	1					Y	
IN-367	4170898/4272209	1011	45	40.1	8	124.7	3					Y	
EX-367	4170898	1011	Pa 45 20 OF 34.9	34.9	8	124.7	3					Y	



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IN-369	4204014/4255254	1013	30	48	9	139	3						Y	
EX-369	4204015/4255255	1013	45	42	9	139	3						Y	



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IN-413	4254284	2012 O/M	30	41.7	8	119.3	3						Y	
EX-413	4254285	2012 O/M	45	35.9	8	124.7							Y	
IN-1021	4208095/4255216	1012	30	41.7	8	124.7	3						Y	
EX-1021	4208096/4255217	1012	45	35.9	8	124.7	3						Y	
IN-1022	4280350	2011	45	41.1	8	124.7	3						Y	
EX-1022	4280049	2011	45	35.4	8	124.7	3						Y	
IN-1022A		2011 T	30	41.5	8	124.7	3						Y	
EX-1022A		2011 T	45	35.4	8	124.7	3						Y	
IN-1026	4284042	2012 N/M	30	41.7	8	121.3	3						Y	
EX-1026	4284043	2012 N/M	45	35.9	8	121.3	3						Y	
IN-1036	4159140	913C	30	43	8	133	3							
EX-1036	4159139	913C	30	37	8	133	3							
IN-1037	4159136/ 4231479/ 4234951/ 4234952	F4 912	45	45	8	133	3							
EX-1037	4159137/4231804	F4 912	45	37	8	133	3							
IN-1038	4226413	1015	30	46	8	132.9	3							
EX-1038	4226412	1015	45	42	8	133	3							
IN-1039	4153455	912D	30	43	8	133	1							
EX-1039	3371746/2934523	912D	45	35	8	133	1							
IN-1053	0422 6413	1015	30	46	8	133	3						Y	
EX-1053	0422 6412	1015	45	42	8	133	3						Y	
IN-1054	0429 0056/4285263	2013	30	48	9	135.5	3						Y	
EX-1054	0428 5957	2013	45	42	9	135.6	3						Y	
IN-1055	0490 3005	TCD 2013/4V	30	38.2	8	145.8	3						Y	
EX-1055	0490 3006	TCD 2013/4V	45	35.8	8	145.8	3						Y	

KIRLOSKAR-4R

IN-1023	K 58430BN													
EX-1023	K 58433BN													

LOMBARDINI

IN-030	075.093.89	LD-450/510	45	34.3	7	99.4	1						Y	
EX-030	075.093.89	LD-450/510	45	29.5	7	99.4	1						Y	
IN-031	400 022-61	GL-400	45	36.3	7	84	1						Y	
EX-031	400 022-61	GL-400	45	31.5	7	83.7	1						Y	
IN-1006	075 022-73	LD510EURO-1	45	35	7	99.5	1							
EX-1006	075 022-73	LD510EURO-1	45	31.5	7	99	1							
IN-1004	435 222-38	GL400EURO-3	45	35	7	84.4	3							
EX-1004	435 222-38	GL400EURO-3	45	31.5	7	83.7	3							



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ENGINE VALVE

OE Ref.	Engine/ Model No.	Degree	D	d	L	GROOVE	EN18D	SS	EN52	BIMETAL	214N	CHROME	NITRIDED
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LISTER

IN-1056	751-40550	LPW	45	37	7.2	107.18	1						
EX-1056	751-40530	LPW	45	34	7.2	107.18	1						
IN-1057	351-50420	HR	45	48	9.5	137.2	1						
EX-1057	351-50430	HR	45	40	9.5	137.2	1						
IN-1058	201-30040	TS	45	42.6	8.7	117.6	1						
EX-1058	201-30051	TS	45	35.6	8.7	117.8	1						
IN-1059	201-33070	TR	45	45.8	8.7	117.6	1						
EX-1059	201-3080	TR	45	38.8	8.7	117.7	1						
IN-1060	201-80250	ST	45	42.6	8.7	120.2	1						
EX-1060	201-80241	ST	45	35.6	8.7	120.4	1						
IN/EX-1061	336865	PH	45	34	7.9	113.5	1						

MWM

IN-201	6226 0460 0054	D-226/229	45	41	9	117	3					Y	
EX-201	6308 0460 0024	D-226/229	45	38	9	117	3					Y	
IN-249	9610 0460 0014/ 2RD109601	SERIES 10	30	45	9	126	3					Y	
EX-249	9610 0460 0024/ 2RD109611	SERIES 10	45	41	9	126	3					Y	
IN-320	6228 0460 3014	TD-226/229 TURBO	45	42	9	117	3					Y	
EX-320	6226 0460 3024	TD-226/229 TURBO	45	38	9	117	3					Y	
EX-321		12V/18V SPRIN-T	45	39.62	7	105	3					Y	
IN-321		12V/18V SPRIN-T	30	33	7	105	3					Y	

> WE ALSO CAN TAKE-UP ANY NEW DEVELOPMENT AS PER THE DRAWINGS & SAMPLES PROVIDED TO US <