

VALVE GUIDE RANGE MOTOR AIDS

<u>MODEL</u>	<u>EMGINE</u>	<u>IN/EX</u>	<u>OEM REF</u>	<u>OD IN</u> MM	<u>ID IN</u> MM	<u>LENGTH</u> MM
<u>ALFA ROMEO</u>						
	8140.21.200D.I. 2.4 TD (68KW)	IN	4749397	13.06	8.02	56.00
	8144.61.200 2.4 D (53W)	EX	4726483	13.03	8.02	60.00
	AR67203 2.0 16v T Q4 (137KW)	IN		14.03	7.02	51.10
	AR67106 1.7 T.S 16v (103KW)	EX	46811582	13.03	7.02	46.00
	936A6.000 3.2 V6 24V (176KW)	EX	60612835	12.07	7.00	43.00
	AR06430 / AR64301	EX	60612835	12.07	7.00	43.00
	AR16105 3.0 V6 24V (160KW)	EX	60612835	12.07	7.00	43.00
	AR32405 2.5 V6 24V (141KW)	IN	60612839	12.06	7.00	38.00
	937A1.000 2.0 JTS (121KW)	EX	60811086	13.03	7.02	46.00
	AR34103 2.0 T.S (114KW)	EX	60811086	13.03	7.02	46.00
	00526 1.6	IN	105000150304	14.04	9.00	51.00
	00530 1.3 SUPER	EX	101100150302	14.04	9.00	54.00
	01544. 01588. 00515	IN/EX	60743760	14.04	9.00	49.50
	11911. 01928. 01646	IN	119280150300	14.06	9.00	49.00
		EX	60737369	14.06	9.00	42.50
	16101 3.0 V6 12V	IN	60810438	14.05	9.00	48.50
		EX				
	30102. S. 301041.2. TI	IN	700001	13.08	8.02	40.50
		EX	700002	13.08	8.02	44.00
	30750, 30751 1.5 ie	IN/EX	60750222	13.08	8.02	40.56
	32401, 32405, 34201	IN	60612839	12.06	7.00	38.00
		EX	60612635	12.07	7.00	43.00
	67204, 32301, 16201, 32310	IN	7756897	13.03	7.02	42.50
		EX	60811089	13.03	7.02	46.00
<u>AUDI</u>						
	1B 2.2 T (147 KW)	IN	056.103.419A	12.06	7.98	36.50
	3B 2.2 T QUATTRO (162 KW)	IN	056.103.419A	12.06	7.98	36.50
	100 III (44. 44Q. C3) AVANT	IN	056.103.419A	12.06	7.98	36.50
	ACK 2.8 QUATTRO (142 KW)	IN/EX	058 103 415	11.06	6.00	35.90
	AAH 2.8 (128 KW)	IN/EX	037 103 419B	12.06	6.98	36.40
	ABZ/AGK 4.2 QUATTRO (220KW)	IN/EX	051 103 419	12.06	6.98	35.00
	CY 1.6 TD (51KW)	EX	049.103.419	12.06	7.98	42.30
	ACK/ALG/AMX/APR/AQD	IN/EX		11.11	6.00	35.90
	1B 2.2 TURBO	IN	056 103.419A	12.06	7.98	36.50
		EX	049 103 419	12.06	7.98	42.30
	ABH 4.2 QUAT	IN	027 103 419	12.06	7.00	38.00
		EX	027.103 423	12.11	7.00	38.00
	ABZ 4.2 QUAT	IN/EX	051 103 419	12.06	6.98	35.00
	AGA.APS.ALF.AML.ARJ	IN/EX	058 103 415	11.06	6.00	35.90
<u>AUTOBIANCHI</u>						
	100GL6.000 0.9 (33KW)	IN/EX	4265699	13.03	7.02	42.5
	146a5.046 1.3 i.e.GT (54KW)	IN/EX	4373603	15.09	8.02	46.5
	156B.000 1.3 i.e.GT(57KW)	IN/EX	7552897	14.02	8.02	46.6
	A112A5.000/A112B2 000 0.9 JUNIOR (31KW)	IN/EX	46780852	13.03	7.02	42.5
	1.3 ie GT (54KW)	IN/EX	4373602	15.06	8.02	46.5
<u>BMW</u>						
	M20B20 520/6 (90KW)	IN/EX	11 12 1 267 676	13.14	7.00	45.00
	M20B20 (L/K-JETRONIC)	IN/EX	11 12 1 267 677	13.24	7.00	45.00
	M20B20 320/6 (90KW)	IN/EX	11 12 1 280 523	13.05	7.00	45.00
	M10B 16 1.6	IN/EX	1263642	14.04	8.00	50.00
		IN/EX	1266760	14.14	8.00	50.00
		IN/EX	1266761	14.24	8.00	50.00
	M10B20 (40PDSi) 2.0	IN/EX	721100	14.05	8.00	52.00
	M20B20 2.0	IN/EX	1280523	13.05	7.00	45.00

M30B25 2.5	IN/EX	1263642	14.04	8.00	50.00
M30B30 3.0	IN/EX	1266760	14.14	8.00	50.00
M40B16 1.6	IN/EX	1715373	12.55	7.00	43.50
M42B18 1.8	IN/EX	1735534	12.6	6.00	43.40
M51D25 2.5TD. TDS	IN/EX	2244464	12.55	6.00	39.50

BEDFORD

21D 2.1 D (44KW)	IN/EX	642003	12.75	9.010	55.00
4108 PERKINS 1.7 D(39KW)	IN	6397649	12.75	7.98	54.00
	EX	6361520	12.74	7.98	62.00
4154 PERKINS 2.5 D (53KW)	IN/EX	6397649	12.75	7.98	54.00
4FC1 2.0 D (43KW)	IN/EX	5117210151	12.03	8.00	60.00
4ZB1 1.8 (63KW)	IN	94206762	12.05	7.99	45.90
	EX	94206763	12.05	7.99	55.00
6/8 CWT 1.1 (37KW)	IN/EX		11.16	7.02	60.30
6V-71 7.0 D	IN/EX	5129919	12.68	7.94	60.50
FA10A 1.0 (34KW)	IN/EX	91118398	12.05	7.00	48.00
200 CU-IN 3.3 D (48KW)	IN	7134379	15.91	8.73	71.00
	EX	7166435	15.90	8.70	62.50

CATERPILLAR

D1152, D13000	IN	1S9910	23.82	12.7	133.50
D17000	EX	1S6653	23.81	12.7	133.70
933G, 977	IN/EX	5S4507	16.77	9.57	82.00
D33, D6	IN/EX	5S4507	16.77	9.57	82.00
112F BULLDOZER	IN/EX	2P1262	16.71	9.51	71.00
12E, 112E, 120 BULLDOZER	IN/EX	5M8023	16.70	9.57	82.00
1693 TRUCK	IN/EX	6N2236	17.50	9.53	71.50
339,364,375D,386,397D TRACTOR. I.	IN	6F4922	23.81	12.7	133.5
	EX	1S6654	23.61	12.7	133.5
3406,3408,3412 TRUCK	IN/EX	4N2803	17.51	9.51	82.50
561,641,650,657,660 TRACTOR	IN/EX	6N2236	17.50	9.53	71.50
621 TRACTOR	IN/EX	5S2921	14.34	7.96	77.00
D353, D9G TRACTOR	IN	4N3664	22.50	12.7	128.00
	EX	6N8847	22.50	12.7	137.50
D7F TRACTOR	IN/EX	7N2051	23.85	12.7	132.40
D8H46A	IN	4N3668	16.71	9.51	82.00
	EX	4N3669	23.84	12.7	132.50

CHRYSLER

1597cc.98C.I(1.6L)DOHC	IN	140-8193SBI	0.4755	0.26	1.80
	EX	140-8194SBI	0.4755	0.26	1.99
1755cc,107 CI (1.8L)SOHC.GAS.FI.	IN	140-7576SBI	0.5145	0.32	1.74
	EX	140-7577SBI	0.5145	0.32	1.89
134 CI,(2.2L)GAS,CARB	IN	140-1704SBI	0.6580	0.38	2.38
	EX	140-1342 SBI	0.6580	0.38	3.06

CHEVROLET

G161Z,G1802 1.6Luv TRUCK	IN	94206762	12.05	7.99	45.9
	EX	94206763	12.05	7.99	55.00
4000,4100,3.2 V6	IN/EX	1164906	15.12	8.71	65.90
225 CI, (37L) GAS	IN	140-6105 SBI	0.502	0.34	2.50
	EX	140-6108 SBI	0.502	0.37	2.38

CITROEN

NFU(TU5JP4)1.6 16V (80KW)	IN/EX	0220-95	11.06	6.00	40.00
WJZ(DW8)1.9D 4WD (5KW)	IN/EX	0220 AO	14.60	8.01	48.00
XV8-TU9 0.95 (33KW)	IN/EX		13.11	7.00	47.50
HDZ(TU1M) 1.1 (40KW)	IN/EX	0220-59	13.06	7.00	47.50
	IN/EX	9456001207	13.26	7.00	47.50
AJZ(XUD7TE)ABA(XUD7TE)	IN/EX		14.05	8.01	48.00
B1A(XU51C-K)1.6 (58KW)	IN		13.07	8.01	38.70
EW10A 2.0 16V (103KW)	IN	0221,25	12.06	6.00	40.80

159 1.9 (75KW)	IN/EX		14.06	8.01	52.00
K9Y(TUD3Y) 1.4 D (37KW)	EX		13.07	7.00	42.80
VJY/VJZ(TUD5) 1.5D(40-43KW)	IN/EX		13.07	7.00	40.20
NFZ(TU5JP) 1.6(65-70KW)	IN/EX	0220-84	13.07	7.00	48.50
SFZ/UFZ(ZPJ-Z) 3.0 V6 (123KW)	EX	0220-72	13.07	8.01	45.00
108C 1.0 (33KW)LNA	IN/EX	220510	13.07	8.01	47.50
109.5 F.K 1.1	IN/EX	790210	13.12	8.01	47.50
A79-1 0.4 (13-17 KW) 2 CV	IN/EX	KN1724	12.55	8.00	47.00
	IN/EX	KN1715	12.55	8.50	42.00
DV2,3.DY2.3 2.0 (48-72KW)C35	IN	2N124.3	13.05	8.00	60.00
	EX	DX124.3	13.04	8.02	60.20

CUMMINS

NT855		3050369	0.7518	0.45	3.40
NH220		66890	0.752	0.41	3.44
VT903		138937	0.7518	0.45	3.01
KT1150		3202210	0.8458	0.50	3.59
KT1150		3018818	0.8459	0.50	3.58
6CTA		3923564	0.6299	0.38	2.84
6BT		3904409	0.5527	0.32	2.05
6BT		3904408	0.5525	0.32	2.38
M11		3073512	0.6504	0.38	2.63
L10		3033314	0.6504	0.38	2.93
N14		3064312	0.7518	0.38	3.40

DACIA

E7J 1.4 (55KW)	IN		12.11	7.01	42.00
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DAEWOO

M161.973 2.3 (105KW)	IN/EX		12.56	7.02	37.50
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DAF

DD 575 FA 1100 DD (77KW)	IN/EX	210279	14.33	8.72	71.00
F 1100					
DH 825 FA 2000 DH (115KW)	IN/EX	240472-5	16.03	10.00	70.00
F 2000.					
DKA 1160 FA 2800 DKA	IN/EX	236534-3	17.52	11.1	70.30
(169KW) F 2800					
	IN/EX	655401	17.50	11.1	70.10
DKV 1160 FA 2800 DKSE	IN/EX	266425	17.55	11.1	75.00
(206KW) F 2800					
DNS 620 FA 1700 DNS	IN/EX	752299	16.04	10.00	68.00
(156KW) F 1700.					
DT 615 FA 1100 DT	IN/EX	210279	14.33	8.72	71.00
(111KW) F 1100					
HS 825 FA 2700 HS	IN/EX	557284	16.04	10.00	79.00
(200KW) F 2700					
XF 250 M FA 85 CF 340	IN/EX	1313683	15.04	9.00	77.00
(250KW) 85 CF					

DAIHATSU

12R 1.6 (59KW) DELTA	IN/EX	11122-23010	14.04	8.00	50.00
MICRO BUS					
12T 1.6 (64KW) CHARMANT	IN	11122-25021	13.03	8.01	50.00
(A) DELTA WIDE					
	EX	11126-25021	13.05	8.01	54.00
1KRFE 1.0 (51KW)SIRION (M1)	IN/EX	11122-21010	9.73	5.01	37.40
3AU 1.5 (59KW) CHARMANT (A)	IN	11122-15020	11.54	7.02	43.00
	EX	11126-15020	11.54	7.02	49.00
3B 3.4 D, DELTA, TRUCK	IN/EX	11122-56021	14.05	9.00	60.00
3K 1.2 (57KW) CHARMANT (A)	IN	11122-24020	13.04	8.01	46.00
CONSORTE, DELTA WIDE					
	EX	11126-24020	13.04	8.01	50.00

3SZVE 1.5 (76KW) TERIOS II	IN	11122-21010	9.76	5.00	34.50
	EX	11123-21010	9.76	5.00	34.50
5R 2.0 (59KW) DELTA	IN/EX	11122-44011	14.04	8.51	50.00
	IN/EX	11122-44010	14.03	8.53	53.00
AB 0.5 (23KW)HIJET ATRAI WIDE CAB	IN/EX	11124-87701	12.08	7.00	50.00
EJDE 1.0 I (41KW) MOVE(L6,L9)	IN	11124-87203	9.76	5.00	30.50
EDJE 1.0i(L701)(41KW)CUORE V	EX	11128-87202	9.76	5.00	30.50
HDC 1.6 16V HARD TOP SOFT TOP,(63KW) FERENZA (F300)	IN	11124-87101	12.08	6.60	55.00
	EX	11128-87101	12.08	6.60	55.00
K3VE2 1.3 SPORT 4WD (75KW) SIRION	IN	11122-21010	9.76	5.00	34.50
	EX	11123-21010	9.76	5.00	34.50
T 1.4. CHARMANT (A)	IN	11122-25021	13.03	8.01	50.00
	EX	11126-25021	13.05	8.01	54.00

FIAT

141B.000.0.75 (25KW)	IN/EX	4265699	13.03	7.02	42.50
146B2 000 1.7D (42KW)	IN/EX		14.06	8.02	46.50
100GBC 0.9 SPOT.SPIDER (36KW)	IN/EX	4372332	13.11	7.02	42.50
127A.000. 1.0 PANORAMA(37KW)	IN/E	4373602	15.06	8.02	46.50
125A.000.1.6 (66KW)	IN/EX	4204841	12.02	8.02	43.00
131A1.000 /AF1/B1	IN		14.09	8.02	42.00
126A2.000 0.7 (19KW)	IN/EX		14.09	8.02	59.00
100.GL 0.9	IN/EX	4265699	13.03	7.02	42.50
	IN/EX	4372331	13.06	7.02	42.50
100GL6 0.8	IN/EX	4372332	13.11	7.02	42.50
	IN/EX	4372333	13.21	7.02	42.50
100D 0.8	IN/EX	880911	13.03	7.02	42.00
100G 0.8	IN	4109284	13.03	7.02	42.00
	EX	4109285	13.03	7.02	42.00
131C2 1.6	IN/EX	4250801	14.06	8.02	42.00
182B3 2.0	IN	7779402	13.03	7.02	46.00
	EX	46413458	13.06	7.02	46.00
XUD11ATE 2.1TD	IN/EX	9456029080	13.28	8.01	54.50

FORD

ASDA/B 1.4 (59KW)	IN/EX		12.03	6.08	36.00
BHDA/B 1.8 Di/TDDi (55KW)	IN/EX	7402396	12.76	8.01	38.00
ESCORT IV.SW.CABRIO	IN/EX	815M6510LC	13.56	8.06	65.00
TL 16L 1.6 (45-50-51 KW)	IN/EX		15.05	8.00	57.25
SCORPIO I, SW	IN/EX	6172956	13.55	7.06	43.00
2402 YORK 3.5D	IN/EX	715F6510ABA	14.74	8.98	61.50
TRANSIT 90,115,125,130	IN	404E6510C	12.75	7.98	54.00
	EX	33261722	12.75	7.98	62.30
	EX	404E6510A	12.75	7.98	62.00
F8 1.7 8V TELSTAR	IN/EX	817323090	14.03	8.09	50.50
MA COURIER	IN/EX	22110290	14.03	8.09	50.50
	IN/EX	817323090	14.03	8.09	50.50
592E 3.6D	IN/EX	EIADDN6510A	15.91	9.53	76.50
FORD 5000,6000,6600	IN/EX		12.75	9.52	76.20

FORD TRUCK & TRACTOR

4AA 2.4D,406,506,606, 706	IN/EX	715F6510ABA	14.74	8.98	61.50
2701E,2706E 3.9D (61KW)	IN/EX	EIADDN6510A	15.91	9.53	76.50

GARDNER

4LW/4HLW 5.6D	IN	F26039	19.08	9.51	76.2
	EX	F26042	19.08	9.51	63.5

6LX/6LXH 10.4D	IN	F27421	19.07	9.53	76.2
	EX	F27424	19.07	9.53	71.5
L3B 3.0D	IN	K18750	20.66	11.1	85.7
	EX	K18740	20.66	11.1	98.4

HYUNDAI

2.2 CRDI (102KW)	IN/EX	22114-27000	11.05	6.01	36.60
2.4 16V (105KW)	IN	22114-21900	12.04	6.60	44.00
	EX	22115-21900	12.04	6.60	49.50
4D56T 2.5 TD (62KW)	IN	22114-42520	13.11	8.00	71.00
	EX	22115-42520	13.11	8.00	74.00
4G32 1.6 (55.74KW)	IN	22114-11050	13.12	8.00	44.00
	EX	22115-11050	13.12	8.00	48.00
D48F 2.5 TD,4WD (59KW)	IN	22114-42000	13.07	8.00	71.00
	EX	22115-42000	13.07	8.00	74.00
D4FA 1.5 CRDI (65KW)	IN/EX	22114-2A000	11.05	6.01	31.50
G4BP 2.0 (99KW)	IN	22114-33010	12.05	6.60	45.50
	EX	22115-33010	12.05	6.60	50.50
G4CN 1.8 i.e 16V (93KW)	IN	22114-33911	12.10	6.60	45.50
	EX	22115-33911	12.40	6.60	50.50
G4EA 1.3 (55-61-62-63.KW)	IN	22114-22020	11.05	6.01	42.70
	EX	22115-22020	11.05	6.01	39.00
G4EC-G 1.5 (75KW)	IN	22114-26000	11.06	6.01	41.00
	EX	22115-26000	11.06	6.01	41.00
G4EC-G 1.5i GT 16V (75KW)	IN	22114-26901	11.12	6.00	36.60
	EX	22115-26901	11.12	6.00	41.00
G4EK 1.5 12V (65KW)	IN	22114-22905	11.10	6.01	42.70
	EX	22115-22905	11.10	6.01	39.00
G4GC-G	IN	22114-23501	11.05	6.01	46.00
	EX	22115-23501	11.05	6.01	54.00
G4GC-G 2.0 (105KW)	IN	22114-23901	11.10	6.01	39.00
	EX	22115-23901	11.10	6.01	44.50
G4HC 1.0i (40KW)	IN	22114-02500	10.05	5.50	47.00
	EX	22115-02500	11.05	5.50	48.00
G4JP-G 2.0 16V (100KW)	IN	22114-33010	12.05	6.60	45.50
	EX	22115-33010	12.05	6.60	50.50
G6BA 2.7 4WD (129KW)	IN	22114-23901	11.10	6.01	39.00
	EX	22115-37100	11.10	6.01	43.00
G6BA-G 2.7 V6 4WD (127KW)	IN	22114-23000	11.05	6.01	39.00
	EX	22115-37100	11.10	6.01	43.00
G6CU 3.5 I V6 4WD (143KW)	IN	22114-33911	12.10	6.60	45.50
	EX	22115-33911	12.10	6.60	50.50

HONDA

EW2 1.5 (AN) 63KW	EX		12.08	6.60	55.00
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ISUZU

4JB1	IN/EX	5-11721016-01	14.04	9.00	60.00
6 TON	IN/EX	8-94396598.0	14.03	9.04	62.00
6BG1	IN/EX	5-11721-001	14.04	9.02	59.85
4XC 1/T 1.5 TURBO	IN/EX	8-941767080	11.04	6.01	42.00
4ZC 1 2.0 ASKA,FLORIAN	IN	8-942067620	12.05	7.99	49.09
4HE1	IN/EX	8-94396 598-0	14.04	8.00	50.05
C190 2.0 D (40KW)	IN/EX	94029-347	14.03	8.00	50.30
6 BA 1-89 JUMBO	IN/EX	1172100801	16.03	10.00	60.00
4 BA 1 2.8D JOURNEY M	IN/EX	94032687	14.04	9.00	60.00
4 EC 1 1.5D Chevrolet Spectrum	IN/EX	642005	11.54	7.020	43.00

IVECO

8210.12 421A,AL BUS (192KW)	IN	4630923	18.01	11	86.00
8210.12 N (192KW)	EX	4648237	18.01	11	76.00

8210.02 160.26 (192KW)	EX	4647763	18.02	11	76.00
8140.07 30.8 (55KW)	IN/EX	4749395	13.03	8.02	56.00

IVECO TRACTOR

305B 25R.C.CS	IN/EX	845892	15.02	9.02	56.00
305D 332/352	IN/EX	574430	15.02	9.02	56.00
604.03 8 FL	IN/EX	557472	19.00	11	84.50
614/615 C40/C50	IN	651288	15.02	9.02	59.00
	EX	561289	15.02	9.02	69.00
8365.05 8.1 D 94 (114KW)	IN	8822383	14.05	7.99	55.00
TRACTOR 1580					
	EX	8823263	14.05	7.99	62.00
C01D 45 OM	IN/EX	8807805	14.04	7.99	75.00
C02B 513 OM	IN/EX	8504773	14.04	7.99	82.00
C03D 512/513 OM	IN/EX	8807805	14.01	7.99	75.00
COD 35/40 OM	IN/EX	8504885	14.04	7.99	93.00
OZ 8205.513 - 150C	IN	4647838	17.01	10	80.00
	EX	4647838	17.01	10	70.00
OZ 8215.513 -200C	IN	4630627	18.02	11	86.00

KOMATSU

DS20	IN/EX		14.04	9.00	78.40
S6D 105 200 PC	IN	6136-19-1330	16.05	10.00	69.50
	EX	6136-19-1430	16.03	9.02	67.80

K.H.D.

A 12L 612 16.0D INDUSTRIAL	IN/EX	3365788	18.03	12.00	75.00
BF 10L 413F 16.0. TURBO	IN	4147322	16.05	10.00	95.00
	EX	4147327	16.05	10.00	78.00
BF 6L 912 TRACTOR	IN/EX	2232528	15.05	8.00	57.20
D 8006A / 10006A					

LADA

1.6 (58KW)	IN	2101-1007032/11	14.06	8.02	42.00
	EX	101-1007033/20	14.06	8.02	48.00
ENGINE 1.1	IN/EX	2108-1007032/21	14.06	8.02	38.00
XUD9A 1.9 D (47KW)	IN/EX		14.06	8.01	52.00

LAND ROVER

10 / 15P 2,5 TD5 4WD PICK-UP (90KW)	IN/EX	ERR7225	12.05	6.91	39.00
10J 2.3 D (46KW)	IN	272206	13.54	7.93	51.00
	IN	605482	13.54	7.94	45.50
	EX	275552	14.34	8.72	59.80
	EX	605483	14.34	8.74	57.00
11D 3.5 VOGUE (93KW)	IN/EX	603554	15.12	8.71	65.90
11H 2.3 (55KW)	IN	500144	13.54	7.93	55.50
	IN	568686	13.53	7.93	51.00
	EX	500145	14.34	8.70	52.50
	EX	568687	14.34	8.74	50.00
11L,16L 2.5 Tdi,SW (83KW)	IN/EX	ETC8003	14.06	8.00	49.00
	IN/EX	LGJ100880	14.06	8.00	49.00
18K16 1.8 16V,Soft Top (88KW)	IN/EX	LGJ101050	9.88	6.01	30.00
	IN/EX	LGJ10033	10.13	6.01	30.00
20TCIE 2.0 Di,Soft Top (72KW)	IN/EX	LGJ100510	12.04	9.95	28.00
30G 3.9 V8 SW (136KW)	IN/EX	ERR3648	15.10	8.76	62.00
	IN/EX	LGJ100900	15.10	8.76	62.00

LEYLAND

0350 MKII /III 5.8D	IN/EX	232864	14.33	8.72	71.00
0680/POWER PLUS 11.1 D (147-156KW)	IN/EX	281325	17.50	11.1	68.00
1.5/IND 1.5 D (30KW)	IN/EX	12B1339	14.34	8.74	56.30

12J 2.5D	IN	605482	13.54	7.94	46.50
	EX	605483	14.34	8.74	57.00
3.5V8 /3.5L Carburetor 3.5	IN/EX	603554	15.12	8.71	65.90
38JJ/38VD 3.8D (55KW)	IN	86K144	15.09	8.81	73.00
	EX	86K145	15.09	8.81	82.50
4 /98 3.8 TD	IN	UAJ1007	15.12	8.81	73.20
	EX	UAJ1009	15.12	8.81	82.60
9716 2.5 D	IN	12B2108	14.34	8.73	54.40
	EX	12B2109	14.34	8.73	63.50
9731/IND 1.8 D (37KW)	IN/EX	12B1339	14.34	8.74	56.30
B SERIES 1.6 (36KW)	IN	12H2222	14.34	8.74	47.80
	EX	12B1339	14.34	8.74	56.30
O SERIES 1.7 (65KW)	IN/EX	CAM5821	12.06	7.46	39.00
OE 138 2.3 D (27KW)	IN	58923	12.74	7.94	52.40
	EX	725149	13.54	9.53	52.60

LISTER

12/2 16/2 Stamo 12.21	IN	81C39-10/3/39	19.07	11.1	91.30
2JP 2.9 D (22KW)					
	EX	81C83-10/3/83	19.05	11.1	109.50
HA2/HB2/ST3/TS3 1.9 D	IN	351-10400	15.9	9.51	63.50
	EX	291-50800	15.9	9.51	63.50
SR1/SW1 0.5 D	IN	201-55640	13.53	8.73	52.40
	EX	201-55650	13.53	8.73	54.00
TL2 1.5 D	IN	201-30181	13.53	8.73	60.00
	EX	201-30170	13.53	8.73	58.00

MACK

E6 200/315/350/C235/C330 11.1	IN/E	714-GB-1196	17.49	12.70	89.00
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MAN

2566MK/ML,MT,SU,15.9 T (223-294KW)	IN/EX	51032010088	18.03	12	64.00
D022AMF/M,ME 6.90 (66KW)	IN	51032011052	16.03	10.00	65.00
	EX	51032011053	16.03	10.00	55.00
D0824FL01 8 103 (75KW)	IN	51032010106	16.03	10	60.00
	EX	51032010098	16.03	10	54.80
D0836M/HM/U 7.3 (93-118KW)	IN	51032010014	18.03	11.00	81.00
	EX	51032010012	18.03	11.00	70.00
D2658M 15.0 D (202KW)	IN	51032010079	16.03	9.02	66.00
	EX	51032010066	16.03	9.02	95.00
D2840LF01 40.502 (368KW)	IN	51032010088	18.03	12	64.00
	EX	51032010102	18.03	12	56.00
D2840LF20 19.603 (441KW)	IN	51032010108	18.03	12	59.50
	EX	51032010102	18.03	12	56.00
D2866LF26 28.310 (228KW)	IN/EX	51032010126	15.03	9.02	66.500

MESSEY FERGUSON

3.152 PERKINS 2.5 (31.37KW)	IN/EX	33261723	12.75	7.98	62.00
3.152 PERKINS 2.5 (31KW)	IN/EX	420002	12.72	7.94	66.00
4.107 PERKINS 1.8 (21KW)	IN	33261742	12.75	7.98	54.00
	EX	33261723	12.74	7.98	62.00
4.221 3.5 (47KW)	IN	33261732	15.92	9.52	58.00
	EX	33261752	15.92	9.52	61.20
STANDARD TRIUMPH (OE138)	IN	825259N1	12.74	7.94	52.40
2.3 (27KW)	EX	826162M1	13.54	9.53	52.60

MAZDA

2.0 D (107KW)	IN/EX	RFY1-10-291	11.04	6.05	45.00
4EE1-T 1.7 TD (60KW)	IN/EX	Y701-10-280	11.55	7.00	42.00
B1/B116 1.1 (42KW)	IN/EX	B6Y0-10-290	12.06	7.02	50.00
B3 1.3 (39KW)	IN	B6Z0-10-280	11.05	6.01	48.60
	EX	B6Z0-10-290	11.05	6.01	48.60

B3 1.3 16V (54KW)	IN/EX	B6Z0-10-290	11.05	6.01	48.60
BP (DOHC) 1.8 16V GT (94KW)	IN	B6Z1-10-280	11.06	6.01	45.00
	EX	BPY0-10-290	11.06	6.01	46.00
E1 1.1 (40KW)	IN/EX	8173-23-090	14.03	8.09	50.50
E3 1.3 (44.50KW)	IN	0370-10-280	14.03	8.09	50.50
	EX	0305-23-090	14.03	8.09	50.50
F2 2.2 12V (68-85-94-100KW)	IN/EX	F2Y1.23-091	12.08	7.02	53.00
FP 1.8 16V (74-84KW)	IN/EX	FSY1-10-280	11.00	6.01	38.00
FS-DS 2.0 (88-90KW)	IN/EX		11.05	6.00	38.00
L3 2.3 (104KW)	IN/EX	LFY1-10-281	11.05	5.53	39.00
L3 2.3 16V MPS (191KW)	IN/EX	L3Y1-10-281	11.05	6.03	39.00
RF 2.0 D (52KW)	IN	RF01-10-280	14.03	8.03	40.50
	EX	RFJ5-10-290	14.03	8.03	46.50
RF3F 2.0 TD EXC SW (66KW)	IN/EX	RFY1-10-291	11.04	6.05	45.00
RF46 2.0 D (44-46=55-60KW)	IN	011-10-280	14.03	8.03	40.50
	EX	011-10-290	14.03	8.03	37.70
RTK/RTJ 1.8 D (44KW)	IN/EX		12.76	8.01	38.00
WL Turbo 2.5 TD 4X4 (105KW)	IN/EX	WLY1-10-280	12.05	7.02	46.00
Z5-DE 1.5 16V (65KW)	IN/EX	Z5Y1-10-280A	11.05	5.51	44.50

MERCEDES BENZ

312 4.6D / 352 5.7D	IN	312 053 02 30	15.03	9.00	78.00
	EX	312 053 05 30	15.03	9.00	73.00
327 8.0D	IN	327 053 08 30	16.04	10.00	85.00
	EX	327 053 14 30	16.03	10.00	77.00
346 10.8D	IN	346 053 09 29	15.03	9.00	67.50
	EX	355 053 00 29	15.03	9.00	86.50
360A 8.7 TD	IN	360 053 00 29	16.04	10.00	79.00
	EX	360 053 00 30	16.04	10.00	71.00
362 906 5.7D	IN	366 053 07 29	15.03	9.00	72.00
	EX	366 053 02 30	15.03	10.00	67.00
401.905 9.6D	IN/EX	422 053 04 30	18.04	12.00	67.00
501 LA (ACTROS)	IN/EX	541 053 12 30	15.03	9.00	61.00
601.911E 200D	IN	601 050 06 24	14.03	8.00	39.50
	EX	601 050 09 24	14.03	9.00	37.50
604.910 C 220D, TD	IN/EX	606 053 12 29	12.56	6.00	37.50
615 L 405D	IN	616 053 03 29	14.03	10.00	60.00
	EX	621 053 36 30	14.03	10.00	48.50
906 (ATICO)	IN/EX	906 053 06 29	14.05	8.00	60.10
904 905	IN/EX	906 053 01 29	13.03	8.00	60.00

MERCEDES TRUCK

312 / L311,L312,L323,L328	IN	312 053 02 30	15.03	9.00	78.00
L3500,L4500	EX	312 053.05.30	15.03	9.00	73.00
314 910 3.8 D (63KW)	IN	352 053 12 29	15.03	9.00	72.00
	EX	352 053 16 30	15.03	10.00	73.00
327 327 (110-125KW)	IN	327 053 08 30	16.04	10.00	85.00
	EX	327 053 14 30	16.03	10.00	77.00
346 911/918 10.8 D	IN	346 053 09 29	15.03	9.00	67.50
(136-155KW)	EX	355 053 03 30	15.03	9.00	86.50
346 951 10.8 D	IN	355 053 01 31	37.00	51.1	8.00
	EX	355 053 00 32	31.00	40.90	8.00
356/357 1114,1117	IN	366 053 07 29	15.03	9.00	72.00
	EX	366 053 02 30	15.03	10.00	67.00
401 / 1422, 1722, 1726	IN/EX	422 053 04 30	18.04	12.00	67.00
1824, 1827, 1831					
615 L405 D (44KW)	IN	616 053 03 29	14.03	10.00	60.00
	EX	621 053 36 30	14.03	10.00	48.50
904, 905,906,907	IN/EX	906 053 01 29	13.03	8.00	60.00

MITSUBUSHI

2.0 (98KW)	IN	MD300702	11.11	6.00	45.50
	EX	MD172530	11.11	6.00	50.50

2.5 TD 4WD (98KW)	IN	MD050523	13.11	8.00	71.00
	EX	MD050527	13.11	8.00	74.00
2.0 4WD (93KW)	IN	MD372791	12.06	6.60	45.50
	EX		12.06	6.60	50.50
4D30 3.3	IN	ME031886	15.03	9.00	64.00
	EX	ME031888	15.03	9.02	71.50
4D65 1.8 D (C14A) (44KW)	IN	MD076354	13.12	8.01	56.00
	EX	MD076358	13.12	8.01	58.00
4G11 1.2 (A151A) (40KW)	IN		12.04	6.60	44.00
	EX		12.04	6.60	49.50
4G13 1.3 12V (CJ1A) (55KW)	IN	MD356013	12.11	6.60	44.00
	EX	MD343941	12.11	6.60	49.50
4G13 1.3 16V (60-61-63KW)	IN	MD357589	10.61	5.51	48.00
	EX	MD357586	10.61	5.51	55.00
4G32	IN	MD000461	13.12	8.00	44.00
	EX	MD000471	13.12	8.00	48.00
4G52 2.0 GSR (A78)	IN	MD020551	13.11	8.01	47.00
(66-72-79KW)	EX	MD020561	13.11	8.01	52.00
4G63 2.0 (K62T) (90KW)	IN	MD364870	11.11	6.00	45.00
	EX	MD364740	11.11	6.00	50.50
4G92 1.6(CJAA)(66-70-73-83KW)	IN/EX	MD300702	11.11	6.00	45.50
4M41 3.2 Di-D (118KW)	IN	ME203044	12.06	6.60	54.00
	EX	ME203036	12.06	6.60	47.00
6D15 7.0	IN	ME031886	15.03	9.00	64.00
	EX	ME031888	15.03	9.00	71.50
G11B 1.2 (53KW)	IN		12.04	6.60	44.00
	EX		12.04	6.60	49.50
639 939 1.5 Di-D HP (70KW)	IN/EX		11.56	6.00	34.40

NISSAN

A10 1.0 (32KW)	IN	13212-H0112	12.03	8.01	53.00
	EX	13213-H0112	12.03	8.01	53.00
A12 1.2 COUPE SW (38KW)	IN	13212-73410	12.24	8.00	51.50
	EX	13213-73410	12.24	8.00	51.50
A14 1.4 A10 (48-49-59KW)	IN		12.03	8.01	49.00
	EX		12.03	8.01	49.10
C18DET 1.8 T (124KW)	IN	132 12-53J60	10.23	6.01	43.00
	EX	13213-53J60	11.03	6.01	43.00
CA16D 1.6 GTI 16V	IN	13212-D0111	11.23	7.00	45.00
COUPE (81KW)	EX	13213-V5514	11.23	7.00	48.00
CG10DE 1.0i 16V (44KW)	IN	13212-41B60	9.72	5.50	42.00
	EX	13213-41B60	9.72	5.50	44.00
E13 1.3 COUPE SW (44KW)	IN	13212-15M01	12.27	7.00	49.00
	EX	13213-01M01	12.27	7.00	55.00
GA14DE 1.4i 16V (64KW)	IN	13212-53Y60	9.51	5.50	40.00
	EX	13213-53Y60	9.51	5.50	40.00
HR16DE 1.6 16V (81KW)	IN	13212-ED060	9.22	5.01	42.20
	EX	13213-ED060	9.22	5.01	42.20
J13 1.3 (50KW)	IN	13212-30002	14.33	8.73	47.50
	EX	13213-30002	14.33	8.73	56.00
KA24DE 2.4i 4WD	IN	13212-40F60	11.23	7.01	52.60
(85-93-98KW)	EX	13213-40F60	12.23	8.01	56.00
L13 1.3 (56KW)	IN	13212-21010	12.03	9.01	59.00
	EX	13213-21010	12.03	8.01	59.00
LD23 2.3 D (55KW)	IN/EX	13212-9C641	12.24	8.01	59.10
MR20DE 2.0 16V (103KW)	IN	13213-8P360	10.03	6.01	41.80
	EX	13213-6N260	10.03	6.01	44.00
P40 4.0 (100KW)	IN	13212-C6000	14.36	8.74	63.00
	EX	13213-C6001	14.36	8.74	67.00
TD23T 2.3 TD	IN/EX	13212-54T00	12.03	8.00	47.00
TD27ETi 2.7 TD 4WD (96KW)	IN/EX	13212-7F440	12.22	8.02	49.90
VG30 3.0 (133KW)	IN	13212-V5011	11.23	7.00	58.60
	EX	13212-V5010	12.23	8.01	63.50

YD22DDT 2.2 Dci (81-84-93KW)	IN	13212-AD260	10.03	6.01	59.70
	EX	13213-AD260	10.03	6.01	44.20
Z220 2.0 (64KW)	IN	13212-W0510	12.23	8.01	67.50
	EX	13213-W0510	12.23	8.01	67.50
CA18 1.8 (74KW)	IN	13212-D0111	11.03	7.00	45.00
	EX	13213-D0111	11.23	7.00	45.00
J 1.3 BLUEBIRD	IN	13212-30002	14.33	8.73	47.50
	EX	13213-30002	14.33	8.73	56.00
KA24E PICK UP (D21)	IN	13212-40F60	11.03	7.01	52.60
	EX	13213-40F60	12.03	8.01	56.00
QG 16DE 1.6 16V	IN	13212-53Y60	9.51	5.50	40.00
	EX	13213-53Y60	9.72	5.50	40.00

NISSAN LCV

220 2.0 CHERRY	IN/EX	13212-W0510	12.23	8.01	67.50
CD17 1.7D	IN/EX	13211-Z5001	14.04	9.00	60.00

OPAL

ASCONA B	IN/EX	642003	12.75	9.01	55.00
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PERKINS

3.152 2.5D	IN/EX	420002	12.72	7.94	66.00
	IN/EX	33261723	12.74	7.98	62.00
4.107 1.7D	IN	33261742	12.75	7.98	54.00
	IN	33261722	12.75	7.98	62.30
	EX	33261723	12.74	7.98	62.00
4,203, D 3.3D	IN/EX	33261723	12.74	7.98	62.00
4.212 3.5D	IN	33261732	15.92	9.52	58.00
	EX	33261754	15.92	9.52	61.10
4.236 3.9D	EX	3343J002	15.93	9.52	61.20
6.354 5.8TD	IN	33261732	15.94	9.52	58.00
	EX	33261754	15.95	9.52	61.10
4.203 2.5D 3.3D	IN/EX	33261725	12.74	7.99	57.10
	3.11 IN/EX	420002	12.72	7.94	66.00

PEUGEOT

106 I,205, 309 I, 309 II	IN/EX	9456001145	13.26	7.00	47.50
	504604 IN/EX	7910245071	13.33	8.01	51.00
403.00.	IN/EX	0220-13	14.05	8.51	55.00
607.00.	IN/EX	0220-95	11.06	6.00	40.00
204.00.	IN/EX	022-40	14.05	8.01	51.00
XV375-104	IN/EX	7700636514	13.04	8.01	55.00
406.00.	IN/EX	9456029080	13.07	8.01	54.00

RENAULT

671 2.1	IN/EX	07 10 929 400	15.16	9.00	61.00
680 0.7	IN/EX	07 10 938 900	11.14	7.00	34.00
680 0.7	IN/EX	77 01 460 923	11.84	7.00	34.00
817 2.6	IN/EX	07 10 929 400	15.16	9.00	61.00
821 1.6	IN/EX	77 01 452 333	13.14	8.02	39.50
841 1.6	IN/EX	77 01 452 333	13.14	8.02	39.50
C1E 1.1	IN/EX	07 10 939 000	11.15	7.00	41.50

SCANIA

D10 / DS10	IN	269715	18.01	11.00	80.20
	EX	269716	18.01	11.00	73.00
	EX	131086	18.01	11.00	80.20
D420 5.6D	IN	277409	18.01	11.00	86.20
	EX	17543	18.01	11.00	85.90
DSC 11.06	IN	393263	18.01	11.00	75.00
	EX	1398624	18.01	11.00	68.20

SKODA

135B / AMG 1.3 (40KW)	IN/EX	047 109 608	12.06	7.98	40.80
AEE 1.6 (55KW)	IN/EX	032 103 419A	11.07	6.98	33.00
AEF 1.9 D (47KW)	IN/EX	056 103 4 19A	12.06	7.98	36.50
AEG/APK/AQY/AZH/AZJ	IN/EX	037 103 4 18B	12.06	6.98	36.40
2.0. 4WD (85KW)					
AGN 1,8 20V (92KW)	IN/EX	058 103 415	11.06	6.00	35.90
AVB 1.9 Tdi (74KW)	IN/EX		12.06	7.00	31.50
AYM 2.5 Tdi (11KW)	IN/EX		10.06	5.98	42.00

SUZUKI

F10A 0.9	IN	11115 - 82000	12.05	7.00	48.00
	EX		12.07	7.01	54.40
G13B 1.3	IN/EX	11115-62D00	11.10	5.50	43.00
G13BB 1.3 16V	IN/EX	11115-60B11	11.10	5.50	32.00

TOYOTA

CORONA	IN/EX	11122-23010	14.04	8.00	50.00
	IN/EX	11126-33011	14.03	8.03	57.40
CELICA (TA2)	IN/EX	11122-88250	14.05	8.51	51.00
AVENSIS (T22) VERSO	IN	11122-28010	10.34	5.51	38.40
	EX	11126-20020	10.34	5.51	40.50
IE-L 1.0	IN/EX	11122-10040	11.04	6.01	40.50
INZ FE 1.5 TS	IN/EX	11122-21010	9.73	5.01	34.00
2A 1.3	IN	11122-15020	11.51	7.02	43.00
	EX	11126-15020	11.51	7.02	49.00
2E / 2E-E 1.3	IN/EX	11122-10040	11.04	6.01	40.50
2F 4.2	IN	11122-61011	14.05	8.00	54.00
	EX		14.05	8.00	59.00

U.T.B.

U650	IN/EX		18.17	11.00	85.00
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VOLKSWAGEN

113, F 1300, 1500 1.3	IN	113 101 402	12.06	7.97	64.50
	EX	113 101 416	12.06	7.99	64.00
AAA 2.8 VR6	IN/EX	027 103 419	12.06	6.96	38.00
AAC 2.0	IN/EX	056 103 419A	12.06	7.98	36.50
GOLF 111	IN/EX	032 103 419A	11.07	6.98	33.00
KAEFER CABRIOLET	IN/EX	113 101 402A	12.06	7.99	64.00
113/F 1.5 CABRIO (29-30KW)	IN	113 101 402	12.06	7.97	64.50
	EX	113 101 416	12.06	7.97	65.50
IC 1.6 TD (51KW)	IN/EX	056 103 419A	12.06	7.98	36.50
	IN/EX	037 103 418B	12.06	6.98	36.40
IZ 1.9 TD (66KW)	IN/EX		12.06	7.96	36.50
3F/GK 1.3 (55KW)	IN/EX	049 103 419	12.06	7.98	42.30
9A 2.0 16V (100KW)	IN/EX	027 103 419	12.06	7.00	38.00
ADR/APT/ARG 1.8 20V (92KW)	IN/EX	058 103 415	11.06	6.00	35.90
ADX 1.3 (40KW)	IN/EX	032 103 419A	11.07	6.98	33.00
AEA/AEE 1.6 (55KW)	IN/EX	032 103 418A	11.06	7.00	33.00
AFB 2.5 Tdi, 4MOTION (110KW)	IN/EX		10.06	5.98	42.00
AT 1.8 (55KW)	IN	021 101 403A	12.06	7.99	61.00
	EX	021 101 417A	13.06	8.98	66.50
ATD/AXR 1.9 Tdi (74KW)	IN/EX		12.06	7.00	31.50
BDG 2.5 Tdi (120KW)	IN/EX		10.06	5.98	36.00
BSE/BSF 1.6 (75KW)	IN/EX		12.06	5.98	38.50
PL 1.8 16V Gti (95KW)	IN/EX	027 103 415	12.06	7.00	38.00
POLO (6NI)	IN/EX	058 103 415	11.06	6.00	35.90

VOLVO

B - 11.11	IN/EX	3102891-3	11.15	7.00	41.50
B 16,A,B,F 1.6	IN/EX	403390	15.00	7.88	61.50
B172 1.7	IN/EX	3343624	13.07	8.00	37.70
B19A 2.0	IN/EX	463771	13.50	8.00	52.00
B4204 S 2.0	IN/EX	1270391	11.99	7.00	45.00

D4192 T 1.9TD	IN/EX	30882363	13.06	7.00	37.80
D12A 12.1	IN/EX	1546437	14.99	8.01	83.40
D50 5 ID	IN/EX	420280	16.00	9.50	64.00
TD 100 9.6TD	IN	422320	17.99	11	82.00
	EX	421297	17.99	11	66.00
TD60	IN/EX	465157-6	16.00	8.00	64.50
TD70A,B,C	IN/EX	421297	17.99	11	66.00