

LPR AUTO PARTS LTD

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PISTON RING CATALOGUE

LPR No.	Engine Type	Cyl No.	POSITION	Size(mm)			Shape	Material	Surface treatment	Reference
				dl	hl	al				
				(D)	(B)	(T)				
ASIA										
LPR No.	Engine Type	Cyl No.	POSITION	Size(mm)			Shape	Material	Surface treatment	Reference
				dl	hl	al				
				(D)	(B)	(T)				
LPR-ASA-R01	CD800 JADE	3	1	70	1.2	2.5	BF	SR	GN	AA100-11-120
			2	70	1.5	3	ES-TUC	CR	Fe	
			0	70	2.8	2.85	NIFS	SR	GN	
LPR-ASA-R02	SH3.6L	4	1	100	2	3.7	BF	SR	GN	K4Y1-11-SCO
			2	100	2	4.2	T1-IC	CR	Fe	
			0	100	3	2.35	FM	SR	GN	
LPR-ASA-R03	EM100	6	1	124	2.806	4.45	BF-K1	SR	Cr	EA1522-2010AS
			2	124	2.5	5	T1-IC	CR	Cr	
			3	124	3	5	BF-TUC	CR	Cr	
			0	124	5	4.95	E-BC16	SR	Cr	
LPR-ASA-R04	EF75	8	1	137	3.306	5.4	BF-K1	HB	Cr	EB3522-2010AS
			2	137	3.5	5.4	T1-IC	CR	P	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	6	3.8	E-BC3	CR	Cr	
LPR-ASA-R05	F17E	8	1	139	3.306	5.4	BF-K1	CR	Cr	AA92A-11-12
			2	139	3.5	5.5	T1-IC	CR	P	
			3	139	3.5	5.5	B1-TUC	CR	Cr	
			0	139	4	2.85	E-BC16	SR	Cr	
BWM										
LPR-BMW-R01	M21	4	1	80	2.5		T	Dci	CrI	081 69N0(MAHLE) 06-133100-00(GOETZE)
			2	80	2		IFU	Aci	P	
			0	80	3.5		DSF	Aci	CrI	

LPR-BMW-R02	320i,520i 320/A,520/ AM60 323i,M60	4	1	80	1.5		IW	Dci	Cr1p	
			2	80	2		NM	Aci	P	
			0	80	3.5		DSF	Aci	P	
LPR-BMW-R03	165	6	1	165	3.85	6	T-B	Dci	Cr1	
			2	165	3.5	6.5	M	Aci	Cr1p	
			0	165	6	5	DSF	Aci	P	
LPR-BMW-R04	165	6	1	165	3.45	6.5	B	Dci	Cr1	
			2	165	3.5	6.5	M	Dci	Cr1p	
			0	165	6	5	DSF	Aci	P	
CATERPILLAR										
LPR-CAT-R01	S6KT	6	1	102	3	4.05	B-ET	steel	Cr1 p	5I7538
			2	102	2	4	M-ET	Aci	Cr1 p	
			0	102	4	4.15	FM	steel	N	
LPR-CAT-R02	7E5213	1	1	105	3	4.3	T-B	Dci	Cr1	3116
			2	105	3	4.3	T-B-IW	Dci	Cr1	
			0	105	4	4.3	DSF	Aci	Cr1	
LPR-CAT-R03	3S4029	6	1	114.3	3.17	4.6	B	Dci	Cr1	D330
			2	114.3	2.38	4.5	IF	Aci	Cr1	
			0	114.3	5.56	4.85	DSF	Aci	Cr1	
LPR-CAT-R04	9H1212	6	1	114.3	3.175					
			2	114.3	2.38					
			3	114.3	2.38					
			0	114.3	5.56					
LPR-CAT-R05	9H1213		1	114.3	3.175					
			2	114.3	2.38					
			3	114.3	2.38					
			4	114.3	5.56					
			0	114.3	5.56					
LPR-CAT-R06	9S3068	6	1	120.65	3.17	4.6	B	Dci	Cr1	3306
			2	120.65	2.38	4.6	M-IW	Dci	Cr1	
			0	120.65	5.56	3.4	DSF	Aci	Cr1	
LPR-CAT-R07	2W1709	6	1	120.65	3	4.6	B	Dci	Cr1	
			2	120.65	3	4.6	M-IW	Aci	Cr1	
			0	120.65	3.17	3.4	DSF	Dci	Cr1	
LPR-CAT-R08	2W6091	6	1	120.65	3.17	4.6	B	Dci	Cr1	3307
			2	120.65	2.38	4.6	M-IW	Aci	Cr1	
			0	120.65	3.17	3.4	DSF	Dci	Cr1	
LPR-			1	137.16	3.97	5.4	B	Dci	Cr1	

CAT-R09	1W8922	6	2	137.16	3.17	5.4	M-IW	Aci	Cr1	3406	3412
			0	137.16	3.17	4.1	DSF	Dci	Cr1		
LPR-CAT-R10	8N0822	6	1	137.2	3	5.43	B	Dci	Cr1	3408	
			2	137.2	3	5.43	T-M-IW	Dci	Cr1		
			0	137.2	3.15	5.43	DSF	Dci	Cr1		
CHRYSLER											
LPR-CHR-R01	CHEROKEE 1992	4	1	98.425	2		IF(B)	Dci	P Mo		
			2	98.425	2		IFU	Aci	P		
			0	98.425	4.5		FM	Steel	N		
LPR-CHR-R02	CHEROKEE. 1996	4	1	98.425	1.5		R-B	Aci	P Mo		
			2	98.425	1.5		IFU	Aci	P		
			0	98.425	4.5		FM	Steel	N		
CUMMINS											
LPR-CUM-R01	6BT	6	1	102	3		T-B	Dci	Cr1	3802230	
			2	102	2.35		IF	Aci	p		
			0	102	4		DSF	Aci	Cr1		
LPR-CUM-R02		6	1	125	3	4.35	T-B	Dci	Cr1		
			2	125	2.5	4.35	IWU	Dci	Cr2 p		
			0	125	3.5	4	DSF	Aci	p		
LPR-CUM-R03	6CT	6	1	114	3.5		IW-T	Dci	Cr1 sib		
			2	114	3		IWU	Aci	P		
			0	114	4		DSF	Aci	Cr1		
LPR-CUM-R04	6CT	6	1	114	3.5		IW-T	Dci	Cr1	3802429	
			2	114	3		IFU	Dci	P		
			0	114	4		DSF	Aci	Cr1		
LPR-CUM-R05	M11	6	1	125	3	4.4	T-B	Dci	Cr1	3803977	
			2	125	3	4.3	T-IWU	Dci	Cr1		
			0	125	4	4.5	DSF/FM	Aci/ST	Cr1/GN		
LPR-CUM-R06	LT10	6	1	125	3	4.4	T-B	Dci	Cr1	3803961	
			2	125	3	4.3	T-IWU	Dci	Cr1		
			0	125	4.75	4.5	DSF/FM	Aci/ST	Cr1/GN		
LPR-CUM-R07	NH220	6	1	130.18	3.75	4.9	T-B	Dci	Cr1	3806720	
			2	130.18	3.15	4.85	R	Dci	P		
			0	130.18	4.75	3.95	DSF	Aci	Cr1		
LPR-CUM-R08	NH220	6	1	130.18	3.75	4.9	T-B	Dci	Cr1	3806073	AR12098
			2	130.18	3	5.1	T-M-IW	Dci	Cr1		
			3	130.18	3	5.2	T-M	Steel	p		
			0	130.18	4.75	3.95	DSF	Aci	Cr1		
LPR-CUM-	N14	6	1	139.7	3.96	5.25	ET-B	Dci	Cr1	4024942	3804500
			2	139.7	2.95	5.2	ET(IW)	Dci	Cr1		

R09			0	139.7	4.75		ET(IW)	Aci	Cr1	
LPR-CUM-R10	NH250 NT855	6	1	139.7	3.9		T-B	Dci	M0	3801056 4089810
			2	139.7	3		KT20	Dci	P Cr1	
		8	3	139.7	3		T-M	Dci	p	
			0	139.7	4.75		F-V	Aci	Cr2 p	
LPR-CUM-R11	NH250A	6	1	139.7	3.76		T-B	Dci	P Cr1	3803471 3801755 4089811
			2	139.7	2.9		KT20	Dci	P	
		8	3	139.7	2.78		T-M	Dci	P	
			0	139.7	4.75		F-V	Aci	P Cr1	
LPR-CUM-R12	V265,V300	6	1	139.7	3.7		ET-B	Dci	Cr1	
	V6E-195		2	139.7	2.85		ET(IW)	Dci	Cr1	
	VT6-280		0	139.7	4.75		ET(IW)	Aci	Cr1	
LPR-CUM-R13	K19	6	1	158.75	3.75		T-B	Dci	Cr1 p	4089500 3803472 3631248
			2	158.75	3.75		T-IF	Dci	Cr1 p	
			0	158.75	4.75		DSF/FM	Aci	Cr1 p	

DAF

LPR-CHR-R01	75	4	1	75	2	3.1	NM	Aci	P	
			2	75	2	3.1	NM	Aci	P	
			0	75	4	3.6	DSF	Aci	P	
LPR-CHR-R02	85	4	1	85	2	3.75	NM	Aci	P	
			2	85	2	3.75	NM	Aci	P	
			0	85	4	3.6	DSF	Aci	P	
LPR-CHR-R03		6	1	104.17	3		ET-B	Dci	Cr1	4043279(pc)
			2	104.17	2.5		T-M	Aci	Cr1	
			0	104.17	4		DSF	Aci	Cr1	
LPR-CHR-R04	R46310 (DAF1800)	6	1	118	3.5		T-B	Dci	Cr1	21301NO(mahle) 8000048 10000(KS)
			2	118	3		M	Aci	Cr1	
			3	118	3		M	Aci	Cr1	
			0	118	6		DSF	Aci	Cr1	
LPR-CHR-R05	R46320	6	1	130	3.175		T-B	Aci	Cr1	
			2	130	3.16		M	Aci	Cr1	
			3	130	3.16		M	Aci	Cr1	
			0	130	6.34		DSF	Aci	Cr1	
LPR-CHR-R06	R46330	6	1	130	4		T-B	Dci	MO	
			2	130	3.14		M	Aci	Cr1	
			0	130	4		DSF	Aci	Cr1	

OPEL

LPR-			1	79	1.2		Cr1 P		DCI	01109N01/N1/N2 MAHLE
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OPL-R01	1.6L/SE/ SZ/SV	6	2	79	1.5		P		ACI	011001N01/N1/N2 MAHLE 800020740000(KS)
			0	79	3		CrI p		ACI	
LPR-OPL-R02	1.8E/NE/ NZ/NV	4	1	84.8	1.5		CrI P		DCI	01162N2/N4(MAHLE)
			2	84.8	1.5		P		ACI	
			0	84.8	3		CrI p		ACI	
LPR-OPL-R03	OMEGA	4	1	86	1.5		CrI P		DCI	011 58 NO(MAHLE) 80 00212 40000(KS)
			2	86	1.5		P		ACI	
			0	86	3		CrI p		ACI	
DAEWOO										
LPR-DW-R01	3EA YSE F6B	3	1	68.5	1.2	2.5	BF	SR	GN	12140-78B00
			2	68.5	1.5	2.8	T1	CR	Fe	
			0	68.5	2.8	2.85	NIFS	SR	GN	
LPR-DW-R02	SOHC DOHC	4	1	76.5	1.5	3.1	BF	CR	Cr	NP960
			2	76.5	1.5	3.2	TUC	CR	Fe	
			0	76.5	3	2.95	NIFS	SR	Cr	
LPR-DW-R03		4	1	79	1.2	3.05	BF	SR	Cr	S1220014
			2	79	1.5	3.3	TUC	CR	Fe	
			0	79	3	3	NIFS	SR	Cr	
LPR-DW-R04		4	1	86	1.5	3.45	BF	SR	Cr	
			2	86	1.5	3.5	TUC	CR	Fe	
			0	86	3	3	NIFS	SR	Cr	
LPR-DW-R05	6BB1	6	1	102	3	4.4	BF	CR	2Cr	65.02503-8069
			2	102	2.5	4.4	T1-IC	CR	F6	
			0	102	5	4.8	E-BC3	CR	F6	
LPR-DW-R06	2848	8	1	128	3.306	5.2	BF	HB	Cr	
			2	128	3	5.2	TUC	CR	Fe	
			0	128	4	4.8	E-BC16	CR	Cr	
LPR-DW-R07	2848T	8	1	128	3.306	5.2	BF	HB	Cr	65.0253-8252
			2	128	3	5.2	TUC	CR	Cr	
			0	128	5	4.8	E-BC16	CR	Cr	
LPR-DW-R08	MAN 0846	6	1	108	2.5	4.5	BF-K1	HB	Cr	65.02503-8462
			2	108	2.5	4.5	TUC	CR	Cr	
			0	108	5	3.4	E-BC16	CR	Cr	
LPR-DW-R09	1146	6	1	111	3.34	4.6	BF-K1	HB	Cr	65.02503-8146
			2	111	3	2.85	TUC	SR	Cr	
			0	111	4	3.4	E-BC16	CR	Cr	
LPR-DW-R10	2366	6	1	123	3.34	5	BF-K1	HB	Cr	65.02503-8236
			2	123	3	5	TUC	CR	Cr	
			0	123	4	3.5	E-BC16	SR	Cr	
LPR-DW-R11	DB58	6	1	102	3	4.4	BF-K1	HB	Cr	65.02503-8033
			2	102	2.5	4.4	TUC	CR	Fe	

R11			0	102	4	2.4	E-BC16	SR	Cr	
DAIHATSU										
LPR-DAU-R01	L38 L35S	2	1	62	2	2.8	BF-K3	CR	CR	13011-87204 13011-87205 13011-87501
			2	62	2	2.8	BF	CR	FE	
			3	62	2	2.8	BF	CR	FE	
LPR-DAU-R02			1	62	1.2	2.5	BF	SR	CR	13011-87223
			2	62	1.5	2.8	T1-IC	CR	FE	
			0	62	2.8	2.55	NIFS	SR	GN	
LPR-DAU-R03	ED2		1	66.6	1.2	2.5	BF-IB	SR	GN	13011-87232
			2	66.6	1.5	2.8	TUC	CR	FE	
			0	66.6	2.8	2.55	NIFS	SR	GN	
LPR-DAU-R04	D070 700G	3	1	68	1.5	2.8	BF	CR	CR	13011-87801
			2	68	1.5	2.8	T1	CR	FE	
			0	68	2.8	2.55	NIFS	SR	CR	
LPR-DAU-R05	EF D40E	3	1	68	1.2	2.67	BF-IB	SR	CR	13011-87219
			2	68	1.5	2.8	ES-TUC	CR	FE	
			0	68	2.8	2.55	NIFS	SR	CR	
LPR-DAU-R06		3	1	68	1.2	2.67	BF-IB	SR	CR	13011-97204-A
			2	68	1.2	2.8	TUC	CR	FE	
			0	68	2.5	2.55	NIFS	SR	CR	
LPR-DAU-R07	CD		1	70	1.5	2.65	BF	SR	CR	13011-8712 13013-87710(0.5)
			2	70	1.5	3.1	T1	CR	FE	
			0	70	2.8	2.85	NIFS	SR	GN	
LPR-DAU-R08	Z738 AB D07	2	1	71.6	1.5	3	BF	CR	CR	13011-87710 13011-87714 13011-87701(500)
			2	71.6	1.5	3	TUC	CR	FE	
			0	71.6	2.8	3.35	NIFS	SR	CR	
LPR-DAU-R09		3	1	72	1.5	3	BF	CR	CR	13011-87803
			2	72	1.5	2.9	T1	CR	FE	
			0	72	2.8	2.55	NIFS	SR	CR	
LPR-DAU-R10	EJ	3	1	72	1.2	2.45	BF-IB	SR	CR	13011-97201-000
			2	72	1.2	2.9	TUC	CR	FE	
			0	72	2.5	2.55	NIFS	SR	CR	
LPR-DAU-R11	CB-32 CB-10	3	1	76	1.5	3.1	T1	CR	CR	13011-87704 13011-87708
			2	76	1.5	3.1	T1	CR	FR	
			0	76	2.8	3.15	NIFS	SR	CR	
LPR-DAU-R12	HD	4	1	76	1.2	2.7	BF-IB	SR	GN	13011-87105 13011-87106 13011-87109
			2	76	1.5	3.2	T1	CR	FE	
			0	76	3	2.85	NIFS	SR	GN	
LPR-DAU-R13	CL10	3	1	76	2	3.5	BF-K3	HB	4CR	13011-87717 13011-87723A
			2	76	1.5	3.5	T1	CR	4CR	
			0	76	3	3.35	E-BC3	HB	CR	
LPR-DAU-R14	DE	4	1	85	2	3.5	T1	CR	4CR	13011-87723-1410
			2	85	2	3.5	T1	CR	FE	

LPR-DAU-R14		4	3	85	2	3.5	T1	CR	FR	927-4225-1410
			0	85	4	4	E-C1	CR	CR	
LPR-DAU-R15	DG	4	1	88	2	3.8	T1	CR	4CR	998-5113-1410-00
			2	88	2	3.8	T1	CR	FE	
			3	88	2	3.8	T1	CR	FE	
			O1	88	4	4	E-C1	CR	CR	
			O2	88	4	3.8	C1	CR	CR	
LPR-DAU-R16			1	88	2	3.8	T1	CR	4CR	13011-87304
			2	88	2	3.8	T1	CR	FE	
			3	88	2	3.8	T1	CR	FE	
			0	88	4	4	E-C1	CR	CR	
LPR-DAU-R17	DG V20 F50	4	1	88	2.5	3.8	BF-IB	CR	4CR	13011-87305 13011-87307
			2	88	2	3.8	T1	CR	CR	13011-87308 13011-87036
			0	88	4	4.1	E-BC3	CR	CR	
LPR-DAU-R18	DL(NEW)	4	1	92	2.5	3.6	BF	HB	CR	13011-87320A
			2	92	2	3.8	T1	CR	CR	
			0	92	4	3.7	E-BC16	CR	CR	
LPR-DAU-R19	DL		1	92	2.5	3.8	BF	CR	4CR	13011-87310 13011-87311
			2	92	2	3.8	T1	CR	CR	13011-87312 13011-87313
			0	92	4	4.1	E-BC3	CR	CR	
LPR-DAU-R20	DL-T	4	1	92	2.5	3.45	BF-K2	SR	CR	13011-87317-000
			2	92	2	3.8	T1	CR	CR	
			0	92	4	4.35	E-BC16	SR	GN	

DEUTZ

LPR-DTZ-R01	F4L912 F6L912	6	1	100	3					
			2	100	2.5					
			0	100	5					
LPR-DTZ-R02			1	100	3	4.2	T-B	Dci	CrI	
			1	100	2.5	4.3	M	Aci	P	
			3	100	2.5	4.4	M	Aci	P	
			0	100	5	4.6	DSF	Aci	CrI	
LPR-DTZ-R03	BFL913 TURO	6	1	102	3	4.3	T-B	Dci	CrI	06-174600-80(GOE)
			2	102	2.5	4.3	M-IW	Aci	P	
			3	102	2.5	4.3	NM	Aci	P	
			0	102	5	4.4	DSF	Aci	CrI	
LPR-DTZ-R04	BFL913	6	1	102	3	4.3	T-B	Dci	CrI	06-178400-80(GOE)
			2	102	3	4.3	T-M	Aci	P	
			3	102	2.5	4.3	M-IW	Aci	P	
			0	102	5	4.45	DSF	Aci	CrI	

LPR-DTZ-R05	FL413 FL412	8	1	120	3	5	B	Dci	CrI	80 0013011-000(KS)
			2	120	3	5.1	M	Aci	P	
			3	120	3	5	NM	Aci	P	
			0	120	6	3.75	DSF	Aci	Cr2 p	
LPR-DTZ-R06	125	6	1	125	2.806	4.8	T-B	Aci	CrI	06-740300-10(GOE)
			2	125	2.5	5.3	M	Aci	P	
			0	125	4	4.5	DSF	Aci	P	
FORD										
LPR-FD-R01			1	89.9	2.45	3.5	B-ET	Dci	Cr1	
			2	89.9	2	3.8	IF-IW	Aci	P	
			0	89.9	3	3.16	FM	Steel	GN	
LPR-FD-R02			1	89.9	2.45	3.5	B-ET	Dci	Cr1	
			2	89.9	2	3.8	NM	Aci	P	
			0	89.9	3	3.16	FM	Steel	GN	
LPR-FD-R03	REIHENMOTOR DIESEL.2.41 30F8,32F8 8142.61 1978- 1985	4	1	93	3		R	Dci	CrI	00798(MAHLE) 800006940000(KS)
			2	93	2		NM	Aci	P	
			0	93	4		DSF	Aci	CrI	
LPR-FD-R04	R4000	6	1	100	2.38		R(B)	Dci	P	
			2	100	2.38		M	Aci	P	
			3	100	2.38		M	Aci	P	
			O1	100			SLF	Steel	P	
			O2	100	4.75		S	Aci	P	
LPR-FD-R05	2C7596	4/6	1	100	2.38		R(B)	Aci	P	40215 STD-010
			2	100	2.38		M	Aci	P	
			3	100	2.38		M	Aci	P	
			0	100	4.75		SLF	Steel	P	
			0	100	4.75		M	Aci	P	
LPR-FD-R06			1	103.18	2.37	4.5	B	Dci	P	
			21	103.18	2.37	4.5	NM	Aci	P	
			3	103.18	2.37	4.5	NM	Aci	P	
			0	103.18	4.76	4.35	D	Aci	P	
			0	103.18	4.76	4.35	D	Aci	P	
LPR-FD-R07	3000	4/3	1	106.68	2.38		R-B	Dci		40407090(PC)
			2	106.68	2.38		R-B	Aci		
			3	106.68	2.38		R	Aci		
			0	106.68	4.76		DSF	Aci		
			1	111.76	2.381		R-B	Dci	CrI	

LPR-FD-R08	201cu.in. Diesel Eng.201DF		2	111.76	2.381		IW	Aci	CrI	
			3	111.76	2.381		IW	Dci	P	
			0	111.76	4.763		DSF	Aci	CrI P	
FIAT/IVECO										
LPR-F/I-R01	045-10	4	1	93	3		T-B	Dci	CrI	730-2093EZ 730-2094EZ 730-2095EZ 730-2097EZ 730-2097EZ
			2	93	2		IWU	F14	MO	
			0	93	3		DSF	Aci	Cr1	
LPR-F/I-R02	045-10	4	1	93	3		T-B	Dci	CrI	
			2	93	2		IWU	Aci	P	
			0	93	3		DSF	Aci	CrI	
LPR-F/I-R03	2.4L	4	1	93	2		T-B	Dci	Cr1	
			2	93	3		M	F14	P	
			0	93	2.5		DSF	Aci	CrI	
LPR-F/I-R04	2.8L	4	1	94.5	2.5		T(B)	Dci	CrI	
			2	94.5	2		M	Aci	P	
			0	94.5	2.5		DSF	Aci	CrI	
LPR-F/I-R05	104	4	1	104	3.5	4.3	T	Dci	Cr1	
			2	104	2.5	4.35	NM	Aci	P	
			0	104	4	4.4	DSF	Aci	P	
LPR-F/I-R06		6	1	137	4		T(B)	Dci	CrI	R46840(AE)
			2	137	3		R	Aci	P	
			3	137	3		N-G	Aci	P	
			0	137	5.5		DSF	Aci	CrI p	
LPR-F/I-R07		6	1	137	4		T(B)	Dci	CrI SiB	R47220(AE)
			2	137	3		IW	Dci	CrI SiB	
			0	137	5.5		DSF	Aci	CrI	
HINO										
LPR-HIO-R01	DM100		1	90	2.5	3.7	T1	CR	CR	13011-1350
			2	90	2.5	3.7	T1	CR	FE	13011-135A(500)
			3	90	2.5	3.7	B1-TUC	CR	FE	3352120507(500)
			O1	90	4	3.7	BC1	CR	CR	3352193901(500)
			O2	90	4	3.7	BC1	CR	FE	
LPR-HIO-R02			1	90	2.5	3.7	T1	CR	4GR	
			2	90	2.5	3.7	T1	CR	FE	
			3	90	2.5	3.7	B1-TUC	CR	FE	
			O1	90	4	3.6	E-BC3	CR	CR	
			O2	90	4	3.7	BC1	CR	FE	
			1	92	2.5	3.9	T1	CR	CR	

LPR-HIO-R03	DQ100		2	92	2.5	3.9	T1	CR	FE	13011-1360A
			3	92	2.5	3.9	B1-TUC	CR	FE	
			O1	92	4	3.9	BC1	HB	CR	
			O2	92	4	3.9	BC1	CR	FE	
LPR-HIO-R04	EC100		1	97	2.5	4.2	BF	HB	CR	13011-1390 13011-1140A(cyl)
			2	97	2.5	4.3	T1-IC	CR	FE	
			3	97	2.5	4.3	B1-UC	CR	FE	
			o1	97	4	4.3	C1	HB	CR	
			o2	97	4	4.3	BC3	CR	FE	
LPR-HIO-R05			1	97	2.5	4.2	BF	HB	4Cr	13011-1400
			2	97	2.5	4.3	T1-IC	CR	Fe	
			3	97	2.5	4.3	B1-UC	CR	Fe	
			o1	97	4	4.3	C1	HB	Cr	
			o2	97	4	4.3	BC3	CR	Fe	
LPR-HIO-R06	WO4D		1	104	2.5	3.85	BF	SR	Cr	13011-1973
			2	104	2	4.3	T1	CR	Fe	
			0	104	5	4.85	E-BC16	SR	GN	
LPR-HIO-R07	WO4D		1	104	2.5	4.3	BF	HB	4Cr	13011-2540
			2	104	2	4.3	T1	CR	Fe	13019-1150A(cyl)
			0	104	5	4.7	E-BC3	CR	Cr	
LPR-HIO-R08	W04C-T1		1	104	2.806	4.3	BF-K1	HB	4Cr	13011-2891A
			2	104	2.05	4.3	T1-IC	CR	Fe	13019-1180A(cyl)
			0	104	4	4.15	E-BC16	CR	Cr	
LPR-HIO-R09	W04D-J		1	104	2.5	3.7	BF	SR	GN	13011-3950A
	N04C-A		2	104	2	4.3	T1	CR	Fe	130191190A(cyl)
			0	104	4	3.5	E-BC16	SR	GN	
LPR-HIO-R10	NO4C-T		1	104	2.5	3.75	BF	SR	PVD	13011-4020A
			2	104	2	3.7	T1	SR	GN	13019-1200A(cyl)
			0	104	4	3.35	E-BC16	SR	GN	
LPR-HIO-R11	W04C-T		1	104	2.806	4.3	BF-K1	HB	4Cr	13011-2270A
			2	104	2.5	4.3	T1-IC	CR	Fe	13011-2270C
			0	104	2	4.7	E-BC3	CR	Cr	13011-2550B
										13019-1160A(cyl)
LPR-HIO-R12	W06D		1	104	2.5	4.3	BF	HB	4Cr	13011-1983
			2	104	2	4.3	T1	CR	Fe	13011-2440
			0	104	5	4.7	E-BC3	CR	Cr	13011-2420
										13019-1150A(cyl)
LPR-HIO-R13			1	104	2.5	3.85	BF	SR	Cr	
			2	104	2	4.3	T1	CR	Fe	
			0	104	5	4.85	E-BC16	SR	GN	
LPR-HIO-R14	W06D-T1		1	104	2.806	4.3	BF-K1	HB	4Cr	13011-2610A
			2	104	2.5	4.3	T1-IC	CR	Fe	13011-2680A
			0	104	5	4.7	E-BC3	CR	Cr	13011-2950A

										13019-1160A(cyl)
LPR-HIO-R15	W04D-TK		1	104	2.806	4.3	BF-K1	HB	4Cr	13011-4080B
			2	104	2	4.3	T1	CR	Fe	13019-1170A(cyl)
			0	104	4	4.35	E-BC16	SR	GN	
LPR-HIO-R16	DS70 DS90		1	105	3	4.2	T1	CR	Cr	13011-1210
			2	105	3	4.2	T1	CR	Fe	13011-1550(500)
			3	105	3	4.2	TUC	CR	Fe	13011-1550A(500)
			o1	105	4.5	4.2	BC1	CR	Cr	13019-1220A(cyl)
			o2	105	4.5	4.2	BC1	CR	Fe	
LPR-HIO-R17	DS70 DS90		1	105	3	4.2	T1	CR	4Cr	
			2	105	3	4.2	T1	CR	Fe	
			3	105	3	4.2	TUC	CR	Fe	
			o1	105	4.5	3.1	E-BC3	CR	Cr	
			o2	105	4.5	4.2	BC1	CR	Fe	
LPR-HIO-R18	DS70A		1	105	3	4.2	T1	CR	Cr	
			2	105	3	4.2	B1-TUC	CR	Fe	13011-1220
			3	105	3	4.2	B1-TUC	CR	Fe	13019-1220(cyl)
			o1	105	4.5	4.2	BC1	HB	Cr	
			o2	105	4.5	4.2	BC1	HB	Fe	
LPR-HIO-R19	EH100		1	105	2.5	4.3	BF	HB	4Cr	
			2	105	2.5	4.3	T1-IC	CR	Fe	
			3	105	2.5	4.3	B1-UC	CR	Fe	13011-1150 13019-1210A(cyl)
			o1	105	4	4.3	C1	HB	Cr	
			o2	105	4	4.3	BC3	CR	Fe	
LPR-HIO-R20	EH100		1	105	2.5	3.85	BF	SR	Cr	
			2	105	2.5	4.3	T1-IC	CR	Fe	
			3	105	2.5	4.3	B1-UC	CR	Fe	
			o1	105	4	4.3	C1	HB	Cr	
			o2	105	4	4.3	BC3	CR	Fe	
LPR-HIO-R21	H06B-TA		1	105.8	2.806	4.4	BF-K1	HB	Cr	13011-2260A
			2	105.8	2.5	4.4	T1-IC	CR	Fe	13011-2500A
			3	105.8	2.5	4.4	B1-UC	CR	Cr	13011-2630A
			0	105.8	5	4.7	E-BC3	HB	Cr	
LPR-HIO-R22	HO6B-T1		1	105.8	2.806	3.95	BF-K1	SR	Cr	
			2	105.8	2.5	4.4	T1-IC	CR	4Cr	13011-2880A 13019-1230A(cyl)
			3	105.8	2.5	4.4	B1-TUC	CR	Cr	
			0	105.8	5	4.7	E-BC3	HB	Cr	
LPR-HIO-R23			1	105.8	2.806	3.95	BF-K1	SR	Cr	
			2	105.8	2.5	4.4	T1-IC	HB	Cr	13011-3850A 13019-1250A
			3	105.8	2.5	4.4	B1-TUC	HB	Cr	
			0	105.8	4	4.15	E-BC16	SR	Cr	
LPR-			1	105.8	2.948	3.95	BF-K1	SR	Cr	13011-3630A

HIO-R24	H07B-T1		2	105.8	2	4.4	T1-IC	HB	Cr	13019-1240A(cyl)
			0	105.8	4	4.35	E-BC16	SR	GN	
LPR-HIO-R26	EH300		1	108	3	4.5	CRI-BF	HB	4Cr	13011-1032
			2	108	2.5	4.5	T1-IC	CR	Cr	13011-10321A(555)
			o1	108	5	4.7	E-BC3	HB	Cr	13011-1062
			o2	108	4	4.5	BC3	CR	Fe	
LPR-HIO-R27	EH300		1	108	3	4.05	BF	SR	Cr	
			2	108	2.5	4.5	T1-IC	CR	Cr	
			o1	108	5	4.95	E-BC16	SR	GN	
			o2	108	4	4.5	BC3	CR	Fe	
LPR-HIO-R28	HO06-TA		1	108	2.806	4.5	BF-K1	HB	Cr	13011-1961
			2	108	2.5	4.5	T1-IC	CR	Fe	13011-2450B
			3	108	2.5	4.5	B1-TUC	CR	Cr	13011-3200A
			0	108	5	4.7	E-BC3	HB	Cr	13019-1260A(cyl)
LPR-HIO-R29			1	108	2.806	4.05	BF-K1	SR	Cr	
			2	108	2.5	4.5	T1-IC	CR	Fe	
			3	108	2.5	4.5	B1-TUC	CR	Cr	
			0	108	5	4.95	E-BC16	SR	GN	
LPR-HIO-R30	HO6C EH500		1	108	3	4.5	BF	HB	4Cr	13011-2080
			2	108	2.5	4.5	T1-IC	CR	Fe	13011-2081B
			3	108	2.5	4.5	B1-TUC	CR	Cr	13019-1750A(cyl)
			0	108	5	4.7	E-BC3	HB	Cr	
LPR-HIO-R31	HO6C EH500		1	108	3	4.05	BF	SR	Cr	
			2	108	2.5	4.5	T1-IC	CR	Fe	
			3	108	2.5	4.5	B1-TUC	CR	Cr	
			0	108	5	4.95	E-BC16	SR	GN	
LPR-HIO-R32	HO6C-T1		1	108	2.806	4.5	BF-K1-IC	HB	Cr	13011-328-A 13019-1270A(cyl)
			2	108	2.5	4.5	T1-IC	CR	Fe	
			3	108	2.5	4.5	B1-TUC	CR	Cr	
			0	108	4	4.15	E-BC16	SR	Cr	
LPR-HIO-R33	HO6C-T1		1	108	2.806	4.5	BF-K1-IC	HB	Cr	
			2	108	2	4.5	T1-TUC	HB	4Cr	
			3	108	2	4.5	B1-TUC	HB	Cr	
			0	108	4	4.15	E-BC16	SR	Cr	
LPR-HIO-R34	DS50		1	110	3	4.5	T1	CR	Cr	13011-1230
	DS60		2	110	3	4.5	T1	CR	Fe	13011-1250
	DS80		3	110	3	4.5	TUC	CR	Fe	13011-1261
			o1	110	4.5	4.5	BC1	CR	Cr	13011-1830
			o2	110	4.5	4.5	BC1	CR	Fe	13011-1650
LPR-HIO-R35	DS50		1	110	3	4.3	BF	HB	Cr	13011-1680
	DS60		2	110	3	4.5	T1-IC	CR	Fe	
	DS80		3	110	3	4.5	B1-UC	CR	Fe	
			o1	110	4.5	4.4	E-BC3	CR	Cr	
			o2	110	4.5	4.4	E-BC3	CR	Cr	

LPR-HIO-R36			1	110	3	4.5	T1	CR	4Cr	
			2	110	3	4.5	T1	CR	Fe	
			3	110	3	4.5	TUC	CR	Fe	
			o1	110	4.5	4.4	E-BC3	CR	Cr	
			o2	110	4.5	4.5	BC1	CR	Fe	
LPR-HIO-R37	EH700 H07C		1	110	3	4.05	BF	SR	Cr	13011-1620B 13011-2090
			2	110	2.5	4.5	T1-IC	CR	Fe	
			3	110	2.5	4.5	B1-TUC	CR	Cr	
			0	110	5	4.95	E-BC16	SR	GN	
LPR-HIO-R38			1	110	3	4.5	BF	HB	4Cr	13011-1610B
			2	110	2.5	4.5	T1-IC	CR	Fe	13011-1620
			3	110	2.5	4.5	B1-TUC	CR	Cr	13011-1620A
			0	110	5	4.7	E-BC3	HB	Cr	13011-2070A
										13011-2090
										13011-2900A
										13011-3010A
										13011-3020A
										13011-3120A
										13019-1310A(CYL)
LPR-HIO-R39	EH700-T1		1	110	2.806	4.5	BF-K1	HB	Cr	13011-2560A
			2	110	2.5	4.5	T1-IC	CR	Fe	13011-2561A
			3	110	2.5	4.5	B1-TUC	CR	Cr	13019-1320A(cyl)
			0	110	5	4.7	E-CB3	HB	Cr	
LPR-HIO-R40	H07D		1	110	3	4.05	BF-K1	SR	Cr	13011-2650A 13011-2651A
			2	110	2	4.5	T1-IC	CR	Cr	
			0	110	4	4.35	E-CB16	SR	GN	
	H07D		1	110	3	4.5	BF	HB	Cr	13011-2651A 23019-1300A(cyl)
			2	110	2	4.5	T1-IC	HB	4Cr	
			0	110	4	4.15	E-BC16	CR	Cr	
LPR-HIO-R41	H07CT		1	110	2.806	4.5	BF-K1	HB	Cr	13011-1672A
			2	110	2	4.5	T1-IC	HB	4Cr	13011-3270A
			3	110	2.5	4.5	B1-TUC	CR	Cr	13019-1330A(cyl)
			0	110	4	4.15	E-BC16	SR	Cr	
LPR-HIO-R42	H07CT		1	110	2.806	4.05	BF-K1	SR	Cr	
			2	110	2	4.5	T1-IC	CR	Cr	
			3	110	2.5	4.5	B1-TUC	CR	Cr	
			0	110	4	4.35	E-BC16	SR	GN	
LPR-HIO-R43			1	110	4.54	4.5	BF-K1-IC	HB	Cr	13011-3470A
			2	110	4.5	4.5	T1-IC	HB	4Cr	13011-3510A
			3	110	4.5	4.5	B1-TUC	HB	Cr	13019-1340A(cyl)
			0	110	4.15	4.15	E-BC16	SR	Cr	

LPR-HIO-R44	JO8B-T1	1	110.9	3.95	3.95	BF-K1	SR	PVD	13011-3860A
		2	110.9	4.6	4.6	TUC	HB	Cr	13011-3930A
		0	110.9	4.45	4.45	E-BC16	SR	GN	13019-1360A(cyl)
LPR-HIO-R45	JO8E	1	112	2.5	4.15	BF	SR	PVD	13011-4040A
		2	112	2	4.3	T1	SR	GN	13019-1120A(cyl)
		0	112	4	4.35	E-BC16	SR	GN	
LPR-HIO-R46	JO7E	1	112	2.5	4.15	BF	SR	PVD	13011-4050A 13019-1120A(cyl)
		2	112	2	4.3	T1	SR	GN	
		0	112	4	4.35	E-BC16	SR	GN	
LPR-HIO-R47	JO5C	1	114	3	4.5	BF	HB	Cr	13011-3391B 13019-1380A(cyl)
		2	114	2	4.5	T1-IC	HB	4Cr	
		0	114	4	4.15	E-BC16	SR	Cr	
LPR-HIO-R48	JO5C	1	114	3	4.5	BF	CR	Cr	
		2	114	2	4.5	T1-IC	CR	4Cr	
		0	114	4	4.35	E-BC16	SR	GN	
LPR-HIO-R49		1	114	2.5	4.35	BF	SR	Cr	13011-3880A
		2	114	2	4.3	T1	SR	4Cr	13011-3940A
		0	114	4	4.35	E-BC16	SR	Cr	13019-1010B(cyl)
LPR-HIO-R50	LO7C	1	114	2.5	4.35	BF	SR	PVD	13011-3660A
		2	114	2	4.3	T1	SR	GN	13011-3900A
		0	114	4	4.35	E-BC16	SR	GN	130191010B(cyl)
LPR-HIO-R51		1	114	3	4.5	BF	HB	Cr	13011-3371A
		2	114	2	4.5	T1-IC	HB	4Cr	13011-3771A
		0	114	4	4.15	E-BC16	SR	Cr	13019-1380A(cyl)
LPR-HIO-R52	JO8C	1	114	3	4.5	BF	HB	Cr	13011-2960A
		2	114	2	4.5	T1-IC	HB	4Cr	13011-2961A
		0	114	4	4.15	E-BC16	SR	Cr	13011-2962A
									13019-1380A(cyl)
LPR-HIO-R53		1	114	2.5	4.35	BF	SR	Cr	13011-3570A
		2	114	2	4.3	T1	SR	4Cr	13011-3820A
		0	114	4	4.35	E-BC16	SR	Cr	13011-3890A
									13019-1010B(cyl)
LPR-HIO-R54		1	114	3	4.5	BF	HB	Cr	13011-3060A
		2	114	2	4.5	T1-IC	HB	4Cr	13019-1390A(cyl)
		0	114	4	3.4	NIFS	SR	GN	
LPR-HIO-R55	JO5C	1	114	2.5	4.3	BF	SR	GN	13011-3221A
		2	114	2	4.3	T1	SR	GN	13019-1370A(cyl)
		0	114	4	4.35	E-BC16	SR	GN	
		1	115	3.5	4.7	T1	HB	Cr	13011-1300

LPR-HIO-R56	EB100 EB200	2	115	3	4.6	T1	CR	Fe	13011-1310
		3	115	3	4.6	TUC	CR	Fe	13011-1690
		o1	115	5	4.6	BC1	HB	Cr	13019-1430A(cyl)
		o2	115	5	4.6	BC1	CR	Fe	
LPR-HIO-R57		1	115	3.5	4.7	T1	CR	4Cr	13011-1780
		2	115	3	4.6	T1	CR	Fe	
		3	115	3	4.6	B1-UC	CR	Fe	
		o1	115	5	4.6	E-BC3	CR	Cr	
		o2	115	5	4.6	BC1	CR	Fe	
LPR-HIO-R58		1	115	3.5	4.6	BF	HB	Cr	13011-1300C 13019-1430A
		2	115	3	4.6	T1-IC	HB	Cr	
		3	115	3	4.6	B1-TUC	CR	Cr	
		o1	115	5	4.6	E-BC3	HB	Cr	
		o2	115	5	4.6	BC1	CR	Fe	
LPR-HIO-R59	DS140	1	115	3.5	4.7	T1	HB	Cr	3360-120-501
		2	115	3	4.6	T1	CR	Fe	
		3	115	3	4.6	TUC	CR	Fe	
		0	115	5	4.6	BC1	HB	Cr	
LPR-HIO-R60	EL100	1	116	3	4.8	BF	HB	Cr	13011-1700
		2	116	2.5	4.8	T1-IC	CR	Fe	13011-1700B
		3	116	2.5	4.8	B1-TUC	CR	Cr	13011-1710
		0	116	5	4.7	E-BC3	HB	Cr	
LPR-HIO-R61		1	116	3	4.25	BF	SR	Cr	
		2	116	2.5	4.8	T1-IC	CR	Fe	
		3	116	2.5	4.8	B1-TUC	CR	Cr	
		0	116	5	4.95	E-BC16	SR	GN	
LPR-HIO-R62	PO9B-T1	1	117.8	3.306	4.4	BF-K1	SR	Cr	13011-2280A
		2	117.8	2.806	4.8	T1-K1-IC	HB	4Cr	13011-2830
		3	117.8	2.5	4.8	B1-TUC	CR	Cr	(Stationary Engine)
		0	117.8	5	4.7	E-BC3	HB	Cr	13019-1440A(cyl)
LPR-HIO-R63	P10C-T1	1	117.8	3.306	4.4	BF-K1	SR	Cr	13011-3420A 13019-1450A(cyl)
		2	117.8	2.306	4.8	T1-K1-IC	HB	Cr	
		3	117.8	2	4.8	B1-TUC	HB	Cr	
		0	117.8	4	4.65	E-BC16	SR	Cr	
LPR-HIO-R64	DK10 DS20	1	120	3.5	4.6	BF	HB	Cr	13011-1200
		2	120	3.5	4.6	T1-IC	CR	Fe	13011-1270
		3	120	3.5	4.6	B1-TUC	CR	Fe	13011-1280
		o1	120	5	4.6	BC1	HB	Cr	13011-1280A

			o2	120	50	4.6	BC1	HB	Cr	13011-1290
										3311-1205-05
LPR-HIO-R65			1	120	3.5	4.6	BF	HB	4Cr	
			2	120	3.5	4.6	T1-IC	CR	Fe	
			3	120	3.5	4.6	B1-TUC	CR	Fe	
			o1	120	5	4.5	E-BC3	CR	Cr	
			o2	120	5	4.6	BC3	HB	Cr	
LPR-HIO-R66	EB300		1	120	3.5	4.6	BF	HB	Cr	12011-1330
			2	120	3.5	4.6	T1-IC	CR	Fe	13011-1720
			3	120	3.5	4.6	B1-TUC	CR	Fe	12011-1730A
			0	120	6	5.5	E-BC3	CR	Cr	3334-1205-09
LPR-HIO-R67	EB400		1	120	3.306	4.6	CRI-BF-K1	HB	Cr	13011-1630
			2	120	3.5	4.6	T1-IC	CR	Fe	13011-1640
			3	120	3.5	4.6	B1-TUC	CR	Cr	13011-1640A
			0	120	6	5.5	E-BC3	CR	Cr	13011-2330A
										13019-1470A(cyl)
										13019-1500a(cyl)
LPR-HIO-R68			1	120	3.5	4.6	BF	HB	Cr	13011-1940
			2	120	3	4.6	T1-IC	CR	Cr	
			3	120	3	4.6	B1-TUC	CR	Cr	
			0	120	6	5.5	E-BC3	CR	Cr	
LPR-HIO-R69	EP100 PO9C-TA		1	120	3.306	4.8	BF-K1	HB	Cr	13011-1952 13019-1480A(cyl)
			2	120	2.806	4.8	T1-K1-IC	HB	4Cr	
			3	120	2.5	4.8	B1-TUC	CR	Cr	
			0	120	5	4.7	E-BC3	HB	Cr	
LPR-HIO-R70			1	120	3.306	4.45	BF-K1	SR	Cr	
			2	120	2.806	4.8	T1-K1-IC	HB	Cr	
			3	120	2.5	4.8	B1-TUC	CR	Cr	
			0	120	5	4.95	E-BC16	SR	GN	
LPR-HIO-R71			1	120	3.306	4.8	BF-K1	HB	Cr	13011-2370A
			2	120	3	4.8	T1-IC	HB	4Cr	13011-2760B
			3	120	2.5	4.8	B1-TUC	CR	Cr	13019-1490A(cyl)
			0	120	5	5	E-BC16	SR	Cr	
LPR-HIO-R72			1	120	3.306	4.45	BF-K1	SR	Cr	
			2	120	3	4.6	T1-IC	CR	Cr	
			3	120	2.5	4.8	B1-TUC	CR	Cr	
			0	120	5	4.95	E-BC13	SR	GN	
LPR-HIO-R73	YJ97 YF67		1	122	3.306	4.4	BF-K1	SR	Cr	13011-3840A 13019-1530A(cyl)
			2	122	2.306	4.8	T1-K1-IC	HB	Cr	
			3	122	2	4.8	B1-K1-IC	HB	Cr	
			0	122	4	3.4	NIFS	SR	GN	
	P11C		1	122	3.306	4.4	BF-K1	SR	Cr	13011-3110A
	P11V-T1		2	122	2.306	4.8	T1-K1-IC	HB	Cr	13011-3111A
	YF67		3	122	2	4.8	B1-K1-IC	HB	Cr	13011-3112A

LPR-HIO-R74	YK15		0	122	4	4.65	E-BC16	SR	Cr	13011-3114A
										13011-3114B
										13011-3114C
										13011-3800A
										13011-3830A
										13011-3870A
										13019-1030B(cyl)
										13019-1520A(cyl)
LPR-HIO-R75	YJ70 P11C		1	122	3.306	4.35	BF-K1	SR	PVD	13011-3810A
			2	122	2.306	4.8	T1-K1-IC	HB	Cr	13011-3811A
			3	122	2	4.8	B1-K1-IC	HB	Cr	13011-3870A
			0	122	4	4.65	E-BC16	SR	Cr	13019-1510A(cyl)
LPR-HIO-R76	EM100		1	124	2.806	5	BF-K1	HB	Cr	13011-1921A 13019-1540A(cyl)
			2	124	2.5	5	T1-IC	HB	Cr	
			3	124	3	5	B1-TUC	CR	Cr	
			0	124	5	5	E-BC3	HB	Cr	
LPR-HIO-R75	EM100		1	124	2.806	4.45	BF-K1	SR	Cr	
			2	124	2.5	5	T1-IC	CR	Cr	
			3	124	3	5	B1-TUC	CR	Cr	
			0	124	5	4.95	E-BC16	SR	GN	
LPR-HIO-R76	M10-U		1	127	3.306	5.2	BF-K1	HB	Cr	13011-2250A
			2	127	3	5.2	T1-IC	HB	Cr	13011-2860A
			3	127	3	5.4	B1-TUC	CR	Cr	13019-1550A(cyl)
			0	127	3	5	E-BC3	CR	Cr	
LPR-HIO-R77	ED100		1	128	3.5	4.8	BF	HB	Cr	13011-1470
			2	128	3.5	4.8	T1-IC	HB	Cr	13011-1480
			3	128	3.5	4.8	B1-TUC	CR	Fe	13011-1660
			0	128	6	3.7	E-BC3	CR	Cr	13011-1670
										13011-1670A
										3400-1205-09
LPR-HIO-R78			1	128	4	4.8	BF	HB	Cr	13011-2230A
			2	128	4	4.8	T1-IC	HB	Cr	
			3	128	3.5	4.8	B1-TUC	CR	Fe	
			0	128	6	3.7	E-BC3	CR	Cr	
LPR-HIO-R79	ER200		1	128	3.5	4.8	BF	HB	Cr	13011-1770
			2	128	3	4.8	T1-IC	CR	Fe	13011-1770B
			3	128	3	4.8	B1-TUC	CR	Cr	
			0	128	6	4.5	E-BC3	CR	Cr	
LPR-HIO-	EF100 EF100T		1	130	3.306	5.2	BF	HB	Cr	13011-1180
			2	130	3.5	5.4	T1-IC	CR	Fe	13011-1180A
			3	130	3.5	5.4	B1-UC	CR	Fe	13011-1570
			0	130	6	5.5	E-BC3	CR	Cr	13011-1570A
										13011-1580

R80										13011-1590
										13011-1590A
										3391-1205-04
										13019-1460A(cyl)
LPR-HIO-R81	EF300 ER350		1	132	3.306	5.2	BF-K1	HB	Cr	13011-1100
			2	132	3.5	5.4	T1-IC	CR	Fe	13011-1101
			3	132	3.5	5.4	B1-TUC	CR	Cr	13011-1091A
			0	132	6	5.5	E-BC3	CR	Cr	13011-1091B
										13019-1560A(cyl)
LPR-HIO-R82	K13B-T1		1	132.9	3.306	4.8	BF-K1	SR	Cr	13011-3210A
			2	132.9	3.5	5.4	T1-IC	HB	4Cr	13019-1570A(cyl)
			3	132.9	3.5	5.4	B1-TUC	CR	Cr	
			0	132.9	5	5.5	E-BC3	HB	Cr	
LPR-HIO-R83	EG100 EF500		1	135	3.306	5.4	BF-K1	HB	Cr	13011-1131
			2	135	3.5	5.4	T1-IC	CR	Fe	13011-1131B
			3	135	3.5	5.4	B1-TUC	CR	Cr	13011-1460
			0	135	6	5.5	E-BC3	CR	Cr	
LPR-HIO-R82	EF550		1	135	3.306	4.85	BF-K1	SR	Cr	
			2	135	3.5	5.4	T1-IC	CR	Fe	
			3	135	3.5	5.4	B1-TUC	CR	Cr	
			0	135	6	5.5	E-BC3	CR	Cr	
LPR-HIO-R83			1	135	2.806	5.4	BF-K1	HB	Cr	13011-2010A 13019-1590(cyl)
			2	135	3.5	5.4	T1-IC	CR	Fe	
			3	135	3	5.4	B1-TUC	CR	Cr	
			0	135	5	4.95	E-BC3	SR	Cr	
LPR-HIO-R84			1	135	2.806	5.4	BF-K1	HB	Cr	
			2	135	3.5	5.4	T1-IC	CR	Fe	
			3	135	3	5.4	B1-TUC	CR	Cr	
			0	135	5	4.95	E-BC16	SR	Cr	
LPR-HIO-R85	K13C		1	135	3.306	5.4	BF-K1	HB	Cr	13011-2410A 13019-1580A(cyl)
			2	135	3.5	5.4	T1-IC	HB	4Cr	
			3	135	3.5	5.4	B1-TUC	CR	Cr	
			0	135	6	5.5	E-BC3	HB	Cr	
LPR-HIO-R86			1	135	3.306	5.4	BF-K1	HB	Cr	13011-2841A
			2	135	3.5	5.4	T1-IC	HB	4Cr	
			3	135	3.5	5.4	B1-TUC	CR	Cr	
			0	135	5	5.5	E-BC3	HB	Cr	
LPR-HIO-R87			1	135	3.306	5.4	BF-K1	HB	Cr	13011-3090A
			2	135	3.5	5.4	T1-IC	HB	4Cr	
			3	135	3.5	5.4	B1-TUC	CR	Cr	
			0	135	5	4.95	E-BC16	SR	Cr	

LPR-HIO-R88	YJ38 YJ39		1	135	3.306	5.4	BF-K1	HB	Cr	13011-3540A
			2	135	3.5	5.4	T1-IC	HB	4Cr	
			3	135	3.5	5.4	B1-TUC	CR	Cr	
			0	135	4	2.85	E-BC16	SR	Cr	
LPR-HIO-R89	YJ73 YJ74		1	135	3.306	4.95	BF-K1	SR	PVD	13011-3790A
			2	135	3.5	5.4	T1-IC	HB	4Cr	
			3	135	3.5	5.4	B1-TUC	CR	Cr	
			0	135	5	4.95	E-BC16	SR	Cr	
LPR-HIO-R90	YJ66		1	137	3.306	4.75	BF-K1	SR	PVD	13011-3770A 13019-1090(cyl)
			2	137	3.5	5.4	T1-IC	HB	4Cr	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	4	4.15	E-BC16	SR	Cr	
LPR-HIO-R91	EK100		1	137	3.306	5.4	BF-K1	HB	Cr	13011-1010
	EK200		2	137	3.5	5.4	T1-IC	CR	Fe	13011-1011
	EK301T		3	137	3.5	5.4	B1-TUC	CR	Cr	13011-1021
			0	137	6	5.7	E-BC3	CR	Cr	13011-1021B
										13011-2210
										13011-3750B
										13019-1610A(CYL)
LPR-HIO-R92			1	137	3.306	5.05	BF-K1	SR	Cr	
			2	137	3.5	5.4	T1-IC	CR	Fe	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	6	5.5	E-BC3	CR	Cr	
LPR-HIO-R93	EF700 EF750		1	137	3.306	5.4	BF-K1	HB	Cr	13011-1111
			2	137	3.5	5.4	T1-IC	CR	Fe	13011-1112
			3	137	3.5	5.4	B1-TUC	CR	Cr	13011-1121
			0	137	6	5.7	E-BC3	CR	Cr	13011-1121B
										13011-1122
										13011-2170B
										13011-2180
										13019-1610A(cyl)
LPR-HIO-R94			1	137	3.306	5.05	BF-K1	SR	Cr	
			2	137	3.5	5.4	T1-IC	CR	Fe	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	6	5.5	E-BC3	CR	Cr	
LPR-HIO-R95	EV700		1	137	3.306	5.4	BF-K1	HB	Cr	13011-1741
			2	137	3.5	5.4	T1-IC	CR	Fe	13011-1741B
			3	137	3.5	5.4	B1-TUC	CR	Cr	13011-1751
			0	137	6	5.7	E-BC3	CR	Cr	13011-2200A
LPR-HIO-R96	EF700T EF750T		1	137	3.306	5.4	BF-K1	HB	Cr	13019-1610A(CYL)
			2	137	3.5	5.4	T1-K1-IC	CR	Fe	13011-1890
			3	137	3.5	5.4	B1-TUC	CR	Cr	13011-1891
			0	137	6	5.7	E-BC3	CR	Cr	13011-3100B
										13019-1640A(cyl)
										13019-1680A(CYL)
LPR-			1	137	3.306	5.4	BF-K1	HB	Cr	

LPR-HIO-R97			2	137	3.306	5.4	T1-K1-IC	HB	4Cr	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	6	55	E-BC3	CR	Cr	
LPR-HIO-R98			1	137	3.306	5.05	BF-K1	SR	Cr	
			2	137	3.306	5.4	T1-K1-IC	CR	Cr	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	6	5.7	E-BC3	CR	Cr	
LPR-HIO-R99			1	137	2.806	5.4	BF-K1	HB	Cr	13011-1990A 13019-1670A(cyl)
			2	137	3.5	5.4	T1-IC	CR	Fe	
			3	137	3	5.4	B1-TUC	CR	Cr	
			0	137	5	5	E-BC3	CR	Cr	
LPR-HIO-R100	E170 EF750		1	137	3.306	5.4	BF-K1	HB	Cr	13011-2710A
			2	137	3.5	5.4	T1-IC	CR	Fe	13011-2780
			3	137	36.5	5.4	B1-TUC	CR	Cr	13011-2990
			0	137	5	5.5	E-BC3	HB	Cr	13011-2991
										13011-3001B
										13011-3141A
										13019-1740(cyl)
LPR-HIO-R101			1	137	3.306	5.4	BF-K1	HB	Cr	
			2	137	3.5	5.4	T1-IC	HB	4Cr	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	5	4.95	E-BC16	S	Cr	
LPR-HIO-R102			1	137	3.306	5.05	BF-K1	S	Cr	
			2	137	3.5	5.4	T1-IC	HB	Cr	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	5	4.95	E-BC16	SR	Cr	
LPR-HIO-R103	K13D		1	137	3.306	5.4	BF-K1	HB	Cr	13011-2770
			2	137	3.5	5.4	T1-IC	HB	Cr	13011-2771B
			3	137	3.5	5.4	B1-TUC	CR	Cr	13019-1620A(cyl)
			0	137	5	4.95	E-BC16	SR	Cr	
LPR-HIO-R104			1	137	3.306	5.05	BF-K1	S	Cr	
			2	137	3.5	5.4	T1-IC	HB	Cr	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	5	4.95	E-BC16	SR	Cr	
LPR-HIO-R105	F17D-T		1	137	3.306	5.4	BF-K1	HB	Cr	13011-2910A 13019-1660A(CYL)
			2	137	3.306	5.4	T1-K1-IC	HB	4Cr	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	3.5	5.5	E-BC16	HB	Cr	
LPR-HIO-R106	F17D-T1		1	137	3.306	5.4	BF-K1	HB	Cr	13011-3480A 13019-1650A(cyl)
			2	137	3.5	5.4	T1-IC	HB	4Cr	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	4	4.15	E-BC16	SR	Cr	
LPR-HIO-R107	YK37 E13C		1	137	3.306	4.35	BF-K1	SR	PVD	13011-4010A
			2	137	2.806	4.9	T1-K1-IC	SR	GN	
			3	137	2.5	4.5	T1	SR	GN	

			0	137	4	4.4	E-BC16	SR	GN	
LPR-HIO-R108	V21C		1	137	3.306	5.4	BF-K1	HB	Cr	13011-2730A
			2	137	3.5	5.4	T1-IC	HB	4Cr	
			3	137	3.5	5.4	B1-TUC	CR	Cr	
			0	137	5	5.5	E-BC3	HB	Cr	
LPR-HIO-R109	V22C		1	139	3.306	5.4	BF-K1	HB	Cr	13011-2470A
			2	139	3.5	5.5	T1-IC	CR	Fe	13011-2471B
			3	139	3.5	5.5	B1-TUC	CR	Cr	13011-2472A
			0	139	6	5.5	E-BC3	CR	Cr	13019-1690A(cyl)
LPR-HIO-R110	F17C F17E		1	139	3.306	5.4	BF-K1	HB	Cr	13011-2810A
			2	139	3.5	5.5	T1-IC	CR	Fe	
			3	139	3.5	5.5	B1-TUC	CR	Cr	
			0	139	5	5.5	E-BC3	HB	Cr	
LPR-HIO-R111	F17E F17C		1	139	3.306	5.4	BF-K1	HB	Cr	13011-3150A 13019-1700A(cyl)
			2	139	3.5	5.5	T1-IC	HB	Cr	
			3	139	3.5	5.5	B1-TUC	CR	Cr	
			0	139	5	4.95	E-BC16	SR	Cr	
LPR-HIO-R112	F17E		1	139	3.306	5.4	BF-K1	CR	Cr	
			2	139	3.5	5.5	T1-IC	CR	Fe	
			3	139	3.5	5.5	B1-TUC	CR	Cr	
			0	139	4	4.15	E-BC16	SR	Cr	
LPR-HIO-R113	V22D		1	139	3.306	5.4	BF-K1	HB	Cr	13011-2920A
			2	139	3.5	5.5	T1-IC	CR	Fe	
			3	139	3.5	5.5	B1-TUC	CR	Cr	
			0	139	5	5.5	E-BC3	HB	Cr	
LPR-HIO-R114			1	139	3.306	5.4	BF-K1	HB	Cr	13011-3170A
			2	139	3.5	5.5	T1-IC	HB	Cr	13011-3180
			3	139	3.5	5.5	B1-TUC	CR	Cr	13019-1700A(cyl)
			0	139	5	4.95	E-BC16	SR	Cr	
LPR-HIO-R115	F20C		1	146	3.306	5.6	BF-K1	HB	Cr	13011-2792A
			2	146	3.5	5.6	T1-IC	HB	4Cr	13011-3250A
			3	146	3.5	5.7	B1-TUC	CR	Cr	13019-1710A(CYL)
			0	146	5	3	E-BC16	SR	Cr	
LPR-HIO-R116			1	146	3.306	5.6	BF-K1	HB	Cr	13011-3320A
			2	146	3	5.6	T1-IC	HB	4Cr	13019-1720(CYL)
			3	146	3	5.7	B1-TUC	HB	Cr	
			0	146	4	4.65	E-BC16	SR	Cr	
LPR-HIO-R117	V25C		1	146	3.306	5.6	BF-K1	HB	Cr	13011-2980A
			2	146	3.5	5.6	T1-IC	HB	4Cr	13011-2981A
			3	146	3.5	5.7	B1-TUC	CR	Cr	13019-1710A(cyl)
			0	146	5	3	E-BC16	SR	Cr	

LPR-HIO-R118	V26C		1	150	3.306	5.8	BF-K1	HB	Cr	13011-3450A 13019-1730A(CYL)
			2	150	3	5.8	T1-IC	HB	4Cr	
			3	150	3	5.8	B1-TUC	HB	Cr	
			0	150	4	4.65	E-BC16	SR	Cr	
LPR-HIO-R119	F21C YJ08		1	150	3.306	5.8	BF-K1	HB	Cr	13011-3310A 13019-1730A(cyl)
			2	150	3	5.8	T1-IC	HB	4Cr	
			3	150	3	5.8	B1-TUC	HB	Cr	
			0	150	4	4.65	E-BC16	SR	Cr	
LPR-HIO-R120			1	150	3.306	5.55	BF-K1	SR	PVD	13011-3760A
			2	150	3	5.8	T1-IC	HB	4Cr	
			3	150	3	5.8	B1-TUC	HB	Cr	
			0	150	4	4.65	E-BC16	SR	Cr	

HONDA

LPR-HDA-R01	EB-1	4	1	70	1.5	2.8	T1	CR	Cr	13011-634-004 13011-634-305 13011-643-013
			2	70	1.5	2.8	T1	CR	Fe	
			0	70	2.8	2.75	NIFS	SR	Cr	
LPR-HDA-R02	RGA	1	1	71	1.2	2.55	BF-IB	SR	PVD	13011-RGA-0060(cyl)
			2	71	1.2	2.8	T1	CR	Fe	
			0	71	2.5	2.5	NIFH	SR	PVD	
LPR-HDA-R03	RG8	1	1	71	1.2	2.45	BF-IB	SR	Cr	13011-RGB-0060(cyl)
			2	71	1.2	2.8	T1	CR	Fe	
			0	71	2.5	2.5	NIFH	SR	Cr	
LPR-HDA-R04	EB-2	4	1	72	1.5	2.85	BF	SR	Cr	13011-642-003 13011-642-004 13011-642-305
				72	1.5	3.4	T1	CR	Fe	
				72	2.8	3.1	NIFS	SR	Cr	
LPR-HDA-R05	EJ EN	4	1	72	1.5	3.4	BF	CR	Cr	13011-673-000 13011-679-621 13011-695-004 13011-PA0-004
			2	72	1.5	3.4	T1	CR	Fe	
			0	72	4	3.07	NIFS	SR	Cr	
LPR-HDA-R06		4	1	72	1	2.8	BF	SR	Cr	13011-PA5-034
			2	72	1.2	3.2	T1	CR	Fe	
			0	72	2.8	3	NIFS	SR	Cr	
LPR-HDA-R07	EN	4	1	72	1.5	3.1	BF	HB	Cr	13011-PA5-003 13011-PA5-004
			2	72	1.5	3.4	T1	CR	Fe	
			0	72	4	3.07	NIFS	SR	Cr	
LPR-HDA-R08	KAB	1	1	72	1	2.85	BF-IB	SR	Cr	13011-KAB-305
			2	72	1	2.8	T1	HB	Fe	
			0	72	2.5	2.5	NIFS	SR	Cr	
LPR-HDA-R09	EC	4	1	74	1.5	3.4	BF	CR	Cr	13011-657-003 13011-657-315 13011-657-604
			2	74	1.5	3.2	T1	CR	Fe	
			0	74	2.8	2.85	NIFS	SR	Cr	

LPR-HDA-R10	ED EE EF	4	1	74	1.5	3.4	BF	CR	Cr	13011-657-670 13011-657-671 13011-657-675 13011-671-004
			2	74	1.5	3.2	T1	CR	Fe	
			0	74	4	3.1	NIFS	SR	Cr	
LPR-HDA-R11	EM D15A3	4	1	74	1.5	2.9	BF	HB	Cr	13011-PA6-004
			2	74	1.5	3.2	T1	CR	Fe	
			0	74	4	3.15	NIFS	SR	Cr	
LPR-HDA-	D13A2	1	1	74	1.2	2.8	BF	SR	Cr	13011-PE0-662
			0	74	2.8	2.85	NIFS	SR	Cr	
LPR-HDA-R13	EF D15A2	4	1	74	1.2	2.8	BF	SR	Cr	13011-PA6-014 13011-PE1-004
			2	74	1.2	3.2	T1	CR	Fe	
			0	74	2.8	2.85	NIFS	SR	Cr	
LPR-HDA-R14	EW EV	4	1	74	1.5	2.9	BF	SR	GN	13011-PE3-004
			2	74	1.5	3.2	T1	CR	Cr	
			0	74	4	3.15	NIFS	SR	Cr	
LPR-HDA-R15	DE7 D15A	4	1	74	1.2	2.7	BF-IB	SR	Cr	13011-PE7-014
			2	74	1.2	3.2	ES-TUC	CR	Fe	
			0	74	2.8	2.85	NIFS	SR	Cr	
LPR-HDA-R16	EW1 PE0 D15A	4	1	74	1	2.7	BF	SR	Cr	13011-PE0-004
			2	74	1.2	3.2	T1	CR	Fe	
			0	74	2.8	2.85	NIFS	SR	Cr	
LPR-HDA-R17	PM6	4	1	75	1.2	2.7	BF	SR	GN	13011-PM6-G02
			2	75	1.5	3.2	ES-TUC	CR	Cr	
			0	75	2.8	2.55	NIFS	SR	GN	
LPR-HDA-R18	D15B6 PM8	4	1	75	1	2.65	BF	SR	Cr	13011-PM8-A02
			2	75	1.2	3.2	T1	CR	Fe	
			0	75	2.8	3	NIFS	SR	Cr	
LPR-HDA-R19	D15B	4	1	75	1.2	2.7	BF	SR	Cr	13011-PM5-A02
			2	75	1.5	3.2	T1	CR	Fe	
			0	75	2.8	2.8	NIFS	SR	Cr	
LPR-HDA-R20	PJ1 D16A	4	1	75	1.2	2.7	BF	SR	Cr	13011-PJ1-752
			2	75	1.5	3.2	T1	CR	Fe	
			0	75	2.8	2.8	NIFS	SR	Cr	
LPR-HDA-R21	SH4	4	1	75	1.2	2.7	BF	SR	GN	13011-PM0-B02
			2	75	1.5	3.2	ES-TUC	CR	Cr	
			0	75	4	3	NIFS	SR	Cr	
LPR-HDA-R22	D15Z1	4	1	75	1	2.65	BF-IB	SR	Cr	13011-P07-004
			2	75	1.2	3	ES-TUC	CR	Fe	
			0	75	2.8	2.55	NIFS	SR	Cr	
LPR-HDA-R23	D17A1	4	1	75	1	2.65	BF-IB	SR	Cr	13011-PLM-A00 13011-PLR-A00
			2	75	1.2	3	T1	CR	Fe	
			0	75	2	2.45	NIFS	SR	Cr	
LPR-HDA-R24	D15B7	4	1	75	1.2	2.7	BF	SR	Cr	13011-PO4-G02
			2	75	1.2	3	T1	CR	Fe	
			0	75	2.8	2.8	NIFS	SR	Cr	

LPR-HDA-R25	EK EP	4	1	77	1.5	2.85	BF	SR	Cr	13011-676-602 13011-676-604 / 642 13011-689-003/015 13011-689-005 13011-PB2-005 13011-PC3-601.603
			2	77	1.5	3.3	TUC	CR	Fe	
			0	77	4	3.1	NIFS	SR	Cr	
LPR-HDA-R26	EK	4	1	77	1.5	2.85	BF	SR	Cr	13011-PB1-003
			2	77	1.5	3.3	T1	CR	Fe	
			0	77	4	3.25	NIFS	SR	Cr	
LPR-HDA-R27	ES EY	4	1	80	1.5	3.05	BF	SR	Cr	13011-PC6-004 13011-PD6-003 13011-PC6-013 13011-PC7-023 13011-PH1-003 13011-PH2-003
			2	80	1.5	3.4	TUC	CR	Fe	
			0	80	4	3.25	NIFS	SR	Cr	
LPR-HDA-R28	A18A	4	1	80	1.2	3.05	BF-IB	SR	Cr	13011-PH2-902
			2	80	1.2	3.3	T1	CR	Fe	
			0	80	2.8	2.85	NIFS	SR	Cr	
LPR-HDA-R29	B16A PR3 B18A D18A	4	1	81	1	3.1	BF-IB	SR	Cr	13011-PR3-003 13011-PR3-004 13011-PR4-A02
			2	81	1.2	3.3	ES-TUC	CR	Fe	
			0	81	2.8	2.7	NIFS	SR	Cr	
LPR-HDA-R30	PK1 B20A	1	1	81	1.2	3.1	BF	SR	GN	13011-PK1-751
			2	81	1.5	3.2	ES-TUC	HB	Cr	
			0	81	2.8	2.8	NIFS	SR	GN	
LPR-HDA-R31	B18A B20A	4	1	81	1.2	3.1	BF	SR	GN	13011-PK1-003.751 13011-PH3-004.901 13011-PH5-003 13011-PJ5-601
			2	81	1.5	3.2	ES-TUC	HB	Cr	
			0	81	2.8	3.05	NIFS	SR	Cr	
LPR-HDA-R32	C20A	6	1	82	1.2	3.05	BF-IB	SR	Cr	13011-PH6-003
			2	82	1.2	3.3	T1	CR	Fe	
			0	82	2.8	2.85	NIFS	SR	Cr	
LPR-HDA-R33	A20A	4	1	82.7	1.5	3.1	BF	SR	GN	13011-PH4-751
			2	82.7	1.5	3.2	T1	CR	Cr	
			0	82.7	4	3.25	NIFS	SR	GN	
LPR-HDA-R34	A20A	4	1	82.7	1.5	3.1	BF	SR	Cr	13011-PH4-601 13011-PH4-602
			2	82.7	1.5	3.5	TUC	CR	Fe	
			0	82.7	4	3.2	NIFS	SR	Cr	
LPR-HDA-R35	B21A1 PK3	4	1	83	1.2	3.05	BF-IB	SR	Cr	13011-PK3-A04
			2	83	1.2	3.1	T1	CR	Cr	
			0	83	2.8	2.8	NIFS	SR	GN	
LPR-HDA-R36	C25A1 PH7	6	1	84	1.2	3.1	BF-IB	SR	Cr	13011-PH7-003
			2	84	1.2	3.6	TI-IB	CR	Fe	
			0	84	4	3.25	NIFS	SR	Cr	

LPR-HDA-R37	P3F	4	1	84	1.2	2.9	BF-IB	SR	GN	13011-P3F-003
			2	84	1.2	3.4	T1	CR	Fe	
			0	84	2.8	2.6	NIFS	SR	Cr	
LPR-HDA-R38	SM4 F22A F22B	4	1	85	1.2	3.1	BF	SR	Cr	13011-PT0-B03
			2	85	1.2	3.4	T1	CR	Cr	
			0	85	2.8	2.85	NIFS	SR	GN	
LPR-HDA-R39	PT1 F20A	4	1	85	1.2	3.05	BF	SR	Cr	13011-PT1-M02
			2	85	1.2	3.4	T1	CR	Cr	
			0	85	3	3.25	E-BC16	SR	GN	
LPR-HDA-R40	F23A	4	1	86	1.2	2.9	BF	SR	Cr	
			2	86	1.2	3.4	T1	CR	Fe	
			0	86	1.2	2.85	NIFS	SR	Cr	
LPR-HDA-R41	J30A1	6	1	86	1.2	2.9	BF	SR	Cr	13011-P8A-A01
			2	86	1.2	3.4	T1	CR	Fe	
			0	86	2.8	2.85	NIFS	SR	Cr	
LPR-HDA-R42	K20A1	4	1	86	1.2	2.9	BF	SR	Cr	13011-PNE-G02
			2	86	1.2	3.4	T1	CR	Fe	
			0	86	2	2.5	NIFS	SR	GN	
LPR-HDA-R43	PL2 C27A1	6	1	87	1.2	3.1	BF-IB	SR	Cr	13011-PL2-003 13011-P0G-A01
			2	87	1.2	3.5	T1-IB	CR	Fe	
			0	87	4	3.15	NIFS	SR	Cr	
LPR-HDA-R44	H22A3	4	1	87	1.2	3.1	BF-IB	SR	GN	13011-P5M-003 13011-P13-004
			2	87	1.2	3.2	TUC	CR	Cr	
			0	87	2.8	2.55	NIFS	SR	GN	
LPR-HDA-R45	J35A1	6	1	89	1.2	3.05	BF	SR	Cr	13011-P8F-A01
			2	89	1.2	3.4	T1	CR	Fe	
			0	89	2.8	2.85	NIFS	SR	Cr	
LPR-HDA-R46	C32A	V-6	1	90	1.2	3.3	BF-IB	SR	Cr	13011-PY3-003
			2	90	1.2	3.7	T1	CR	Fe	
			0	90	2.8	2.85	NIFS	SR	GN	

HYUNDAI

LPR-HYI-R01	G4HA	4	1	63	1.2	2.25	BF	SR	Cr	23040-02511
			2	63	1.5	2.8	T1-IB	CR	Fe	
			0	63	2.75	2.75	NIFS	SR	Cr	
LPR-HYI-R02	ESPILON1.1 G4HC	4	1	66	1.2	2.25	BF	SR	Cr	23010-02700
			2	66	1.2	2.9	T1	CR	Fe	
			0	66	2.5	2.75	NIFS	SR	Cr	
LPR-HYI-R03	X11	4	1	71	1.5	2.65	BF	SR	Cr	23040-24010
			2	71	1.5	3.1	T1	CR	Fe	
			0	71	4	3.25	NIFS	SR	Cr	
LPR-			1	71.5	1.5	2.65	BF	SR	Cr	

HYPH04	G4K ALPH1.3	4	2	71.5	1.5	3.1	T1	CR	Fe	23040-22300 23040-22351
			0	71.5	3	2.85	NIFS	SR	Cr	
LPRHYPH05	G4AE ALPHA1.5	4	1	75.5	1.5	3.05	BF	CR	Cr	23040-22010
			2	75.5	1.5	3.1	T1	CR	Fe	
			0	75.5	3	2.75	NIFS	SR	Cr	
LPRHYPH06	G4EK	4	1	75.5	1.2	2.85	BF	SR	Cr	23010-26001
			2	75.5	1.5	3.3	T1	CR	Fe	
			0	75.5	3	3.25	NIFS	SR	Cr	
LPRHYPH07			1	75.5	1.5	2.85	BF	SR	Cr	23040-21110
			2	75.5	1.5	3.3	T1	CR	Fe	
			0	75.5	4	3.25	NIFS	SR	Cr	
LPRHYPH08			1	75.5	1.5	3.3	BF	CR	Cr	
			2	75.5	1.5	3.3	T1	CR	Fe	
			0	75.5	4	3.25	NIFS	SR	Cr	
LPRHYPH09			1	75.5	1.2	2.85	BF-IB	SR	Cr	OK3YO-11SCO
			2	75.5	1.2	3.3	TUC	CR	Fe	
			0	75.5	2.5	2.8	NIFS	SR	Cr	
LPRHYPH10			1	76.5	1.2	2.85	BF-IB	SR	Cr	23040-26101
			2	76.5	1.2	3.2	TUC	CR	Fe	
			0	76.5	2.5	2.85	NIFS	SR	Cr	
LPRHYPH11	BETA1.6	4	1	77.4	1.2	2.85	BF-IB	SR	Cr	23040-23100
			2	77.4	1.2	3.3	T1	CR	Fe	
			0	77.4	2.5	2.8	NIFS	SR	Cr	
LPRHYPH12	BETA1.8 G4JP	4	1	82	1.2	3.05	BF-IB	SR	Cr	23040-23000
			2	82	1.2	3.5	T1	CR	Fe	23040-23050
			0	82	2.5	2.85	NIFS	SR	Cr	23040-23200
LPRHYPH13	G4R G4RJP	4	1	82.3	1.2	3.1	BF	SR	GN	23040-33030
			2	82.3	1.5	3.8	T1	CR	Cr	
			0	82.3	3	2.85	NIFS	SR	GN	
LPRHYPH14	Y2	4	1	85	1.5	3.3	BF	SR	Cr	23040-32800
			2	85	1.5	3.7	T1	CR	Fe	
			0	85	4	3.15	NIFS	SR	Cr	
LPRHYPH15	EF2.0	4	1	85	1.2	3.1	BF-IB	SR	GN	23040-38100
			2	85	1.5	3.8	TUC	CR	Fe	
			0	85	2.8	2.55	NIFS	SR	GN	
LPRHYPH16	G4CP	4	1	85	1.2	3.1	BF	SR	GN	23040-33110 23040-33140
			2	85	1.5	3.8	ES-TUC	CR	Cr	
			0	85	3	2.55	NIFS	SR	GN	
LPRHYPH17	Y22.4	4	1	86.5	1.5	3.5	BF	SR	Cr	23040-32610
			2	86.5	1.5	3.8	ES-TUC	CR	Fe	
			0	86.5	4	3.3	NIFS	SR	Cr	

LPR-HYI-R18	H100 D4BA	4	1	91.1	2	3.3	BF	SR	GN	23040-42200
			2	91.1	2	3.8	T1	CR	Cr	
			0	91.1	3	3.25	E-BC16	SR	GN	
LPR-HYI-R19	D4BF	4	1	91.1	2.5	3.25	BF-K2	SR	Cr	23040-42850
			2	91.1	2	3.9	T1-K2	CR	Cr	
			0	91.1	4	4.25	E-BC16	SR	GN	
LPR-HYI-R20	1 T0N(OLD)	4	1	91.1	2.5	3.45	BF	SR	Cr	23040-42000
			2	91.1	2	3.8	T1	CR	Fe	
			0	91.1	4	4.35	E-BC16	SR	GN	
LPR-HYI-R21			1	91.1	2	3.3	BF	SR	GN	23040-42010
			2	91.1	2	3.8	T1	CR	Cr	
			0	91.1	4	4.35	E-BC16	SR	GN	
LPR-HYI-R22	H100	4	1	91.1	2	3.3	BF	SR	GN	23040-42210
			2	91.1	2	3.8	T1	CR	Cr	
			0	91.1	3	3.25	E-BC16	SR	GN	
LPR-HYI-R23	H3.5	4	1	100	3	4	BF-K1-IB	HB	Cr	23040-41400
			2	100	2	4	T1-IC	CR	Cr	
			0	100	4	4.35	E-BC16	SR	GN	
LPR-HYI-R24	D4AF 3 TON	4	1	100	3	3.65	BF-K2	SR	Cr	23040-41060
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4	4.95	E-BC16	SR	GN	
LPR-HYI-R25	D4AF	4	1	104	3	3.65	BF-K2	SR	Cr	23040-41200
			2	104	2	4.2	T1-IC	CR	Cr	
			0	104	4	4.4	E-BC16	SR	GN	
LPR-HYI-R26	D6BR 6D16	6	1	118	3	4.25	BF	SR	Cr	23040-93000
			2	118	2.5	4.6	T1-IC	CR	Cr	
			0	118	4	4.4	E-BC16	SR	GN	
LPR-HYI-R27	D6AB	6	1	130	3.306	5.4	BF-K1	HB	Cr	23040-83020
			2	130	3	5.3	T1-IC	CR	Cr	
			0	130	6	5.5	E-BC16	CR	Cr	
LPR-HYI-R28	6D22-OLD	6	1	130	3.306	4.55	BF-K1	SR	Cr	23040-83000
			2	130	3	5.2	T1-IC	CR	Cr	
			0	130	6	5.5	E-BC16	SR	Cr	
LPR-HYI-R29	6D22(NEW)	6	1	130	3.306	4.55	BF-K1	SR	Cr	23040-83030
			2	130	3	5.3	T1-IC	CR	Fe	
			0	130	4	4.35	E-BC16	SR	GN	
LPR-HYI-R30	D8AX	8	1	135	3.306	5.4	BF-K1	HB	Cr	23040-72020
			2	135	3	5.5	T-IC	CR	Cr	
			3	135	3	5.5	B1-UC	CR	Cr	
			0	135	4	4.77	E-BC16	SR	Cr	
			1	135	3.306	5.4	BF-K1	HB	Cr	

LPR-HYI-R31	8DC-OLD	8	2	135	3	5.5	T1-IC	CR	Cr	23040-72000
			3	135	3	5.5	B1-UC	CR	Cr	
			0	135	5	5.7	E-BC16	CR	Cr	
ISUZU										
LPR No.	Engine Type	Cyl No.	POSITION	Size(mm)			Shape	Material	Surface treatment	Reference No.
				dl	hl	al				
				(D)	(B)	(T)				
LPR-ISU-R01	3KA1 3KB1	3	1	70	2	2.9	BF	HB	Cr	8-94131-493-0/1cyl
			2	70	1.5	3.1	T1	CR	Fe	
			0	70	3.5	3.25	E-BC3	CR	Cr	
LPR-ISU-R02	3KC1	3	1	74	2	2.9	BF	HB	Cr	5-12121-031-0/1cyl
			2	74	1.5	3.1	T1	CR	Fe	
			0	74	3.5	3.25	E-BC3	CR	Cr	
LPR-ISU-R03	4EC1	4	1	76	2	3.1	BF	HB	Cr	8-94144-187-0 8-84332-767-1
			2	76	1.5	3.1	T1	CR	Cr	
			0	76	3	3.35	E-BC16	SR	Cr	
LPR-ISU-R04	3KQ1	3	1	78	2	3.2	BF	HB	Cr	8-94131-494-0/1cyl
			2	78	1.75	3.2	T1	CR	Fe	
			0	78	4	3.9	E-BC3	CR	Cr	
LPR-ISU-R05	4EE2	4	1	79	2	2.7	BF	SR	GN	8-94381709-1
			2	79	1.5	3.2	T1	CR	Cr	
			0	79	3	3.25	E-BC16	SR	GN	
LPR-ISU-R06	3KR1	3	1	81	2	3.4	BF	HB	Cr	5-12121-029-0/1cyl
			2	81	1.75	3.4	T1	CR	Fe	
			0	81	4	3.9	E-BC3	CR	Cr	
LPR-ISU-R07	C220	4	1	83	2	3.4	T1	CR	Fe	9-12181-100-0 9-12181-057-0
			2	83	2	3.4	T1	CR	Fe	
			3	83	2	3.4	TUC	CR	Fe	
			o1	83	4	2.8	E-BC3	CR	Fe	
			o2	83	4	3.4	BC1	CR	Fe	
LPR-ISU-R08	C221	4	1	83	2	3.4	T1	CR	Fe	5-12181-122-0
			2	83	2	3.4	T1	CR	Fe	
			3	83	2	3.4	TUC	CR	Fe	
			o1	83	5	3.8	E-BC3	CR	JF	
			o2	83	5	3.4	BC1	CR	Fe	
LPR-ISU-R09	C221	4	1	83	2	3.4	T1	CR	2Cr	5-12181-015-0
	CP221P		2	83	2	3.4	T1	CR	Fe	5-12121-014-0/1cyl
	C201		3	83	2	3.4	TUC	CR	Fe	5-12181-122-0
			O1	83	5	3.8	E-BC3	CR	JF	

			O2	83	5	3.4	BC1	CR	Fe	
LPR-ISU-R10	C201PT	4	1	83	2	3.4	BF	HB	4Cr	5-12181-005-0 5-12121-013-0/1cyl
			2	83	2	3.4	T1	CR	JF	
			3	83	2	3.4	TUC	CR	Fe	
			O1	83	5	3.8	E-BC3	CR	Cr	
			O2	83	5	3.4	BC1	CR	Fe	
LPR-ISU-R11	4FB1	4	1	84	2.5	3.5	BF	HB	4Cr	8-94224-221-0/1cyl
			2	84	2	3.5	T1	CR	4Cr	
			0	84	4	4.2	E-BC3	CR	Cr	
LPR-ISU-R12	4FB1(T)	4	1	84	2.5	3.5	BF	HB	Cr	8-94139-973-0/1cyl
			2	84	2	3.5	T1	CR	4Cr	
			0	84	4	4.2	E-BC16	CR	Cr	
LPR-ISU-R13	4JD1	4	1	84	2	3.25	BF-K2	HB	4Cr	8-94318-702-0/1cyl
			2	84	2	3.5	T1	CR	4Cr	
			0	84	4	4.2	E-BC3	CR	Cr	
LPR-ISU-R14	C240	4	1	86	2	3.5	T1	CR	Fe	9-12181-138-0
			2	86	2	3.5	T1	CR	Fe	
			3	86	2	3.5	TUC	CR	Fe	
			O1	86	5	2.8	E-BC3	CR	Fe	
			O2	86	5	3.5	BC1	CR	Fe	
LPR-ISU-R15	C190	4	1	86	2	3.5	T1	CR	2Cr	9-12181-138-0
	C240		2	86	2	3.5	T1	CR	Fe	
			3	86	2	3.5	TUC	CR	Fe	
			O1	86	5	2.8	E-BC3	CR	Fe	
			O2	86	5	3.5	BC1	CR	Fe	
LPR-ISU-R16		4	1	86	2	3.5	T1	CR	Fe	9-12181-603-0
			2	86	2	3.5	T1	CR	Fe	
			3	86	2	3.5	TUC	CR	Fe	
			0	86	5	3.9	E-BC3	CR	JF	
LPR-ISU-R17			1	86	2	3.5	T1	CR	2Cr	5-12181-027-0
			2	86	2	3.5	T1	CR	Fe	9-12181-603-0
			3	86	2	3.5	TUC	CR	Fe	9-12181-605-0
			0	86	5	3.9	E-BC3	CR	JF	5-12121-007-0/1cyl
LPR-ISU-R18	2AB1	2	1	86	2	3.5	BF	HB	4Cr	5-12181-010-2 5-12121-010-0
			2	86	2	3.5	T1	CR	Cr	
			3	86	2	3.5	TUC	CR	Fe	
			0	86	5	4.3	E-BC3	CR	Cr	
			1	86	2	3.5	BF	HB	4Cr	

LPR-ISU-R19	3AB1	3	2	86	2	3.5	T1	CR	Cr	5-12181-011-2 5-12121-010-0/1cyl
			3	86	2	3.5	TUC	CR	Fe	
			0	86	5	4.3	E-BC3	CR	Cr	
LPR-ISU-R20	C190G	4	1	86	2	3.5	BF	HB	4Cr	5-12121-008-0/1cyl
			2	86	2	3.5	T1	CR	4Cr	
			3	86	2	3.5	TUC	CR	Cr	
			0	86	5	4.3	E-BC3	CR	Cr	
LPR-ISU-R21		4	1	86	2	3.25	BF	SR	Cr	
			2	86	2	3.5	T1	CR	Cr	
			3	86	2	3.5	TUC	CR	Cr	
			0	86	5	4.3	E-BC3	CR	Cr	
LPR-ISU-R22	C190 C240	4	1	86	2.5	4	BF	HB	Cr	8-94104-954-0/1cyl
			2	86	2	3.5	T1-IC	CR	Cr	
			0	86	5	4.3	E-BC3	CR	Cr	
LPR-ISU-R23		4	1	86	2.5	4	BF	HB	4Cr	5-12121-002-0/1cyl
			2	86	2	3.5	T1-IC	CR	Cr	5-12121-022-01/1cyl
			0	86	5	4.3	E-BC3	CR	Cr	
LPR-ISU-R24		4	1	86	2.5	3.8	T1	CR	Fe	8-94104-949-0/1cyl
			2	86	2	3.5	TUC	CR	Fe	
			0	86	5	3.9	E-BC3	CR	JF	
LPR-ISU-R25		4	1	86	2.5	4	T1	CR	2Cr	5-12121-021-0/1cyl
			2	86	2	3.5	TUC	CR	Fe	
			0	86	5	3.9	E-BC3	CR	JF	
LPR-ISU-R26	C240PKG	4	1	86	2.5	3.8	T1	CR	Fe	8-94471-442-0
			2	86	2	3.5	TUC	CR	Fe	
			0	86	5	3.9	E-BC3	CR	JF	
LPR-ISU-R27	C223	4	1	88	2.5	4	T1	HB	4Cr	5-12121-071-0/1cyl
			2	88	2	4	TUC	CR	4Cr	8-94100-355-0/1cyl
			0	88	4.5	4.7	E-BC3	CR	Cr	
LPR-ISU-R28			1	88	2.5	4	T1	CR	2Cr	5-12121-024-0/1cyl
			2	88	2	4	TUC	CR	2Cr	
			0	88	4.5	4.7	E-BC3	CR	JF	
LPR-ISU-R29	C223 4FD1	4	1	88	2	3.5	BF	HB	Cr	8-94250-730-0/1cyl
			2	88	2	3.55	TUC	CR	Cr	
			0	88	4	4	E-BC3	CR	Cr	
LPR-ISU-R30			1	88	2	3.25	BF	SR	Cr	
			2	88	2	3.55	TUC	CR	Cr	
			0	88	4	4.35	E-BC16	SR	GN	
LPR-ISU-R31	C223	4	1	88	2	3.5	BF	CR	Fe	8-94253-736-0/1cyl
			2	88	2	3.55	TUC	CR	Fe	
			0	88	4	4	E-BC3	CR	JF	

LPR-ISU-R32	C223	4	1	88	2	3.5	BF	CR	2Cr	8-94408-207-0/cyl
	4JB		2	88	2	3.55	TUC	CR	Fe	
	4JC		0	88	4	4	E-BC3	CR	JF	
LPR-ISU-R33	C223T	4	1	88	2.5	4	BF	HB	4Cr	8-94408-207-0/1cyl
			2	88	2	3.55	TUC	CR	Cr	
			0	88	4	4	E-BC3	CR	Cr	
LPR-ISU-R34		4	1	88	2.5	3.5	BF	HB	Cr	8-944668-521-0
			2	88	2	3.4	TUC	HB	Cr	
			0	88	4	4	E-BC3	HB	Cr	
LPR-ISU-R35	D201	4	1	88	2	3.7	BF	HB	JF	8-94417-1750
			2	88	2	3.7	T1-IC	CR	JF	
			3	88	2	3.7	B1-TUC	CR	JF	
			0	88	4	4.15	E-BC16	SR	Cr	
LPR-ISU-R36		4	1	88	2	3.25	BF	SR	Cr	
			2	88	2	3.7	T1-IC	CR	Fe	
			3	88	2	3.55	TUC	CR	Fe	
			0	88	4	4.35	E-BC16	SR	GN	
LPR-ISU-R37	4FG1-1	4	1	89.3	2	3.1	BF	SR	GN	8-94469-634-0
			2	89.3	2	3.7	T1-IC	CR	Cr	
			0	89.3	4	4.15	E-BC16	SR	Cr	
LPR-ISU-R38	4JB1	4	1	93	2	4	BF	CR	Fe	8-94247-867-0/1cyl
			2	93	2	4	TUC	CR	Fe	
			0	93	4	4.1	E-BC3	CR	JF	
LPR-ISU-R39		4	1	93	2	4	BF	CR	Cr	
			2	93	2	4	TUC	CR	Fe	
			0	93	4	4.1	E-BC3	CR	JF	
LPR-ISU-R40	4JG1	4	1	95.4	2	4	BF	CR	Fe	8-94379-486-0
			2	95.4	2	4	T1	CR	Fe	
			0	95.4	4	4.1	E-BC3	CR	Fe	
LPR-ISU-R41	4JG2	4	1	95.4	2.296	4	BF-K1	CR	Fe	8-94370-449-0
			2	95.4	2	4	T1	CR	Fe	
			0	95.4	4	4.1	E-BC3	CR	Fe	
LPR-ISU-R42		4	1	95.4	2.5	4	BF-K1	CR	Fe	8-97080-215-0
			2	95.4	2	4	T1-IB	CR	Fe	
			0	95.4	4	4.45	E-BC16	SR	GN	
LPR-ISU-R43		4	1	95.4	2.5	4	BF-K1	CR	Cr	
			2	95.4	2	4	T1-IB	CR	Fe	
			0	95.4	4	4.45	E-BC16	SR	GN	
LPR-ISU-R44	4HJ1	4	1	95.4	2.54	4	BF	HB	Fe	8-97941-122-0
			2	95.4	2	3.8	TUC	CR	Fe	
			0	95.4	3	3.25	E-BC16	SR	GN	
LPR-ISU-R45	4JX1	4	1	95.4	2.448	4	BF-K1	CR	Cr	8-97184-533-0
			2	95.4	2	4	T1-IB	CR	Cr	
			0	95.4	4	3.35	E-BC16	CR	GN	

LPR-ISU-R46	C330	4	1	98	3	3.9	T1	CR	2Cr	9-12181-801-0
			2	98	2.5	3.9	ES-TUC	CR	Fe	
			0	98	5	3	E-BC3	CR	JF	
LPR-ISU-R47	D500	6	1	98	3	3.9	T1	CR	2Cr	5-12181-020-0
			2	98	2.5	3.9	TUC	CR	Fe	9-12181-608-0
			0	98	5	4.7	E-BC3	CR	Fe	
LPR-ISU-R48	4BA1	4	1	98	3	3.9	BF	CR	2Cr	5-12181-025-0
			2	98	2.5	3.9	TUC	CR	Fe	5-12121-019-0/1cyl
			0	98	5	4.7	E-BC3	CR	Fe	5-12121-001
										9-12181-601
LPR-ISU-R49	DA120	6	1	100	2.5	4	P	CR	4Cr	12181-063 12181-091
			2	100	2.5	4	T1	CR	Fe	
			3	100	2.5	4	T1	CR	Fe	
			o1	100	4	3.1	E-C1	CR	Cr	
			o2	100	4	4	BC1	CR	Fe	
LPR-ISU-R50			1	100	2.5	3.85	BF	SR	Cr	
			2	100	2.5	4.4	T1-IC	CR	Fe	
			3	100	2.5	4.4	B1-TUC	CR	Fe	
			0	100	5	4.8	E-BC3	CR	Cr	
LPR-ISU-R51			1	100	2.5	4.2	BF	HB	4Cr	1-12181-036
			2	100	2.5	4.4	T1-IC	CR	Fe	1-12181-087
			3	100	2.5	4.4	B1-TUC	CR	Fe	1-12181-109
			0	100	5	4.8	E-BC3	CR	Cr	1-12181-128
										1-12121-001--0/1cyl
										1-12121-005-0/1cyl
LPR-ISU-R52			1	100	2.5	3.85	BF	SR	Cr	
			2	100	2.5	4.4	T1-IC	CR	Fe	
			3	100	2.5	4.4	B1-TUC	CR	Fe	
			0	100	5	4.95	E-BC16	SR	GN	
LPR-ISU-R53			1	100	3	4.4	CRI-BF	CR	Cr	1-12181-010 1-12121-007-01/1cyl
			2	100	2.5	4.4	T1-IC	CR	Fe	
			3	100	2.5	4.4	B1-TUC	CR	Fe	
			0	100	5	4.8	E-BC3	CR	Cr	
LPR-ISU-R54	DA220	4	1	100	2.5	4	P	CR	4Cr	9-12181-093-0
			2	100	2.5	4	T1	CR	Fe	
			3	100	2.5	4	T1	CR	Fe	
			o1	100	4	3.1	E-C1	CR	Cr	
			o2	100	4	4	BC1	CR	Fe	
LPR-ISU-R55			1	100	2.5	3.85	BF	SR	Cr	
			2	100	2.5	4.4	T1-IC	CR	Fe	
			3	100	2.5	4.4	B1-TUC	CR	Fe	
			0	100	5	4.8	E-BC3	CR	Cr	
LPR-ISU-R56			1	100	2.5	4.2	BF	HB	4Cr	1-12181-006
			2	100	2.5	4.4	T1-IC	CR	Fe	1-12181-038-0
			3	100	2.5	4.4	B1-TUC	CR	Fe	1-12181-111

R56			0	100	5	4.8	E-BC3	CR	Cr	1-12121-001-0/1cyl	
LPR-ISU-R57	GD150	6	1	100	2.5	4.2	BF	HB	4Cr	9-12181-112-0	
			2	100	2.5	4.4	T1	CR	Fe		
			0	100	5	4.8	E-BC3	CR	Cr		
LPR-ISU-R58	6BB1BU	6	1	101.5	3	4.4	T1	CR	2Cr	1-12121-031-0	
			2	101.5	2.5	4.4	TUC	CR	Fe		
			0	101.5	5	4.8	E-BC3	CR	Fe		
LPR-ISU-R59	DA640S	6	1	102	3.5	4.4	CRI-BF-K1	CR	Cr	1-12181-041	
			2	102	2.5	4.4	T1-IC	CR	Fe	1-12121-035	
			3	102	2.5	4.4	B1-TUC	CR	Fe	1-12181-011-0/1cyl	
			0	102	5	4.8	E-BC3	CR	Cr		
LPR-ISU-R60	DA640 PP	6	1	102	3	4.4	CRI-BF	CR	Cr	1-12181-034-0	
			2	102	2.5	4.4	T1-IC	CR	Fe	1-12121-010-0/1cyl	
			3	102	2.5	4.4	B1-TUC	CR	Fe		
			0	102	5	4.8	E-BC3	CR	Cr		
LPR-ISU-R61	DA640	6	1	102	2.5	4	P	CR	4Cr	1-12161-064 1-12181-092	
			2	102	2.5	4	T1	CR	Fe		
			3	102	2.5	4	T1	CR	Fe		
			O1	102	4	4.1	E-C1	CR	Cr		
			O2	102	4	4	BC1	CR	Fe		
LPR-ISU-R61				1	102	2.5	4.1	BF	SR	Cr	
				2	102	2.5	4.4	T1	CR	Fe	
				3	102	2.5	4.4	TUC	CR	Fe	
				0	102	5	4.8	E-BC3	CR	Cr	
LPR-ISU-R62				1	102	2.5	4.2	BF	HB	4Cr	1-12181-033-0
				2	102	2.5	4.4	T1-IC	CR	Fe	1-12181-074
				3	102	2.5	4.4	B1-TUC	CR	Fe	1-12181-088
				0	102	5	4.8	E-BC3	CR	Cr	1-12181-110
											1-12121-009/1cyl
LPR-ISU-R63	6BD1MT	6	1	102	3.5	4.4	BF-K1	CR	Fe	5-12121-015-0/cyl	
			2	102	2.5	4.4	T1	CR	Fe		
			0	102	5	4.8	E-BC3	CR	Fe		
LPR-ISU-R64	4BD2	4	1	102	3	4.4	BF	CR	2Cr	8-97117-686-0	
			2	102	2	3.7	T1	SR	GN		
			0	102	4	4.45	E-BC16	SR	GN		
LPR-ISU-R65	6BD1 6BB1	6	1	102	3	4.4	T1	CR	2Cr	5-12181-023-2	
			2	102	2.5	4.4	TUC	CR	Fe	5-12121-055-0/1cyl	
			0	102	5	4.8	E-BC3	CR	Fe		
LPR-ISU-R66	4BB1	4	1	102	3	4.4	T1	CR	2Cr	5-12181-003	
			2	102	2.5	4.4	TUC	CR	Fe	5-12181-024-1	
			0	102	5	4.8	E-BC3	CR	Fe	5-12121-005-0/1cyl	
LPR-ISU-R67	4BC	4	1	102	3	4.4	T1	CR	2Cr	5-12121-004-0/1cyl	
			2	102	2.5	4.4	TUC	CR	Fe		
			0	102	5	4.8	E-BC3	CR	Fe		
LPR-ISU-	4BD1L	4	1	102	3	4.4	T1	CR	2Cr	8-94326-650-0	
			2	102	2.5	4.4	TUC	CR	Fe		

R68			0	102	4	4.4	E-BC3	HB	Fe	
LPR-ISU-R69	8GF1	8	1	103	2.948	3.9	BF-K1	SR	PVD	8-97250-331-2
			2	103	2	4.4	T1-IC	CR	Cr	
			0	103	3	3	E-BC16	SR	GN	
LPR-ISU-R70	6BF1	6	1	105	3	4.5	T1	CR	2Cr	1-12121-052-0
			2	105	2.5	4.7	TUC	CR	Fe	5-12121-006-0/1cyl
			0	105	5	4.9	E-BC3	CR	Fe	
LPR-ISU-R71	6BG1	6	1	105	3	4.5	T1	CR	2Cr	1-12121-065-0
			2	105	2.5	4.7	TUC	CR	Fe	1-12121-101-0/1cyl
			0	105	4	4.4	E-BC3	HB	Fe	
LPR-ISU-R72	6BG1MTC	6	1	105	3.306	4.4	BF-K1	CR	2Cr	1-12121-121-0
			2	105	2.5	4.7	T1-IC	CR	Fe	
			0	105	4	4.4	E-BC3	HB	Fe	
LPR-ISU-R73	4BE1	4	1	105	3	4.4	BF	CR	2Cr	8-94418-918-0
			2	105	2.5	4.5	TUC	CR	Fe	
			0	105	5	4.9	E-BC3	CR	Fe	
LPR-ISU-R74	6BG1-TC	6	1	105	3.5	4.4	BF	CR	2Cr	1-12121-115-0
			2	105	2.5	4.7	TUC	CR	Fe	
			0	105	4	4.4	E-BC3	HB	Fe	
LPR-ISU-R75	6BG1-T	6	1	105	3.306	4.4	BF	CR	3Cr	
			2	105	2.5	4.7	TUC	CR	Fe	
			3	105	2.5	4.7	TUC	CR	Fe	
			0	105	4	4.4	E-BC3	HB	Fe	
LPR-ISU-R76	4BG1	4	1	105	3	4.4	TUC	CR	2Cr	8-97123-833-0
			2	105	2.5	4.7	TUC	CR	Fe	
			0	105	4	4.4	E-BC3	HB	Fe	
LPR-ISU-R77	4BG1	4	1	105	3.306	4.4	BF-K1	CR	2Cr	8-97032-075-0
			2	105	2.5	4.4	T1-IC	CR	2Cr	
			0	105	4	4.4	E-BC3	HB	Fe	
LPR-ISU-R78	6HE1	6	1	110	3	4.5	BF	HB	4Cr	8-94396-840-0
			2	110	2.5	4.7	TUC	CR	Cr	
			0	110	4	4.35	E-BC16	SR	GN	
LPR-ISU-R79	6HE1-TC	6	1	110	3.836	4.5	BF-K1	HB	Cr	8-94390-529-1
			2	110	3	4.5	BF-IC	HB	Cr	
			3	110	2.5	4.7	TUC	CR	Cr	
			0	110	3	3.25	E-BC16	SR	GN	
LPR-ISU-R80		6	1	110	3.836	4.5	BF-K1	HB	Cr	8-94394-418-1
			2	110	3	4.5	BF-IC	HB	4Cr	
			3	110	2.5	4.7	TUC	CR	Cr	
			0	110	4	3.25	E-BC16	SR	GN	
LPR-ISU-R81			1	110	3.836	4.5	BF-K1	HB	Cr	8-94395-061-5
			2	110	3	4.5	BF-IC	HB	4Cr	
			3	110	2.5	4.35	TUC	CR	Cr	
			0	110	3	4.5	E-BC16	SR	GN	

LPR-ISU-R82	4HE1	4	1	110	3	4.5	BF-K2	SR	Cr	8-97078-779-0
			2	110	2.5	4.7	T1-IC	CR	Cr	
			0	110	4	3.25	E-BC16	SR	GN	
LPR-ISU-R83	4HE1-TC	4	1	110	3	4.15	BF-K2	SR	Cr	8-97166-992-0
			2	110	2	4.7	T1	SR	GN	
			3	110	1.2	4.34	T1	SR	GN	
			0	110	3	4.1	B-BC16	SR	GN	
LPR-ISU-R84	4HE1	4	1	112	3	4.1	BF	HB	4Cr	8-97028-691-0
			2	112	2.5	3.9	TUC	CR	Cr	
			0	112	4	3.25	E-BC16	SR	GN	
LPR-ISU-R85		4	1	112	3	4.5	BF-K2	SR	Cr	8-91709-462-0
			2	112	2.5	4.7	TUC	CR	Cr	
			0	112	4	4.35	E-BC16	SR	GN	
LPR-ISU-R86	8PA1	v-8	1	115	3	4.05	BF	HB	4Cr	1-12181-016-0
			2	115	2.5	4.7	TUC	HB	Cr	12121-042-0
			0	115	6	3.35	E-BC3	HB	Cr	1-12181-060-0/cyl
LPR-ISU-R87	10PA1	V-10	1	115	3	4.05	BF	HB	4Cr	
			2	115	2.5	4.7	TUC	HB	Cr	
			0	115	6	3.35	E-BC3	HB	Cr	
LPR-ISU-R88	12PA1	V-12	1	115	3	4.6	BF	SR	Cr	
			2	115	2.5	4.8	TUC	HB	Cr	
			0	115	6	5.7	E-BC3	HB	Cr	
LPR-ISU-R89	8PB1	V-8	1	115	3	4.6	BF	HB	4Cr	1-12181-043-0/1cyl
			2	115	2.5	4.8	TUC	HB	Cr	1-12181-058-0/1cyl
	10PB1		0	115	4	5	E-C2	HB	Cr	1-12181-061-0/1cyl
LPR-ISU-R90	12PB1	V-12	1	115	3	4.05	BF	SR	Cr	
			2	115	2.5	4.8	T1	CR	Cr	
			0	115	4	4.35	E-BC16	SR	GN	
LPR-ISU-R91	6SA-T	6	1	115	3	4.6	BF	HB	4Cr	1-12121-070-0
	6SA-1		2	115	2.5	4.8	TUC	HB	Cr	1-12121-113-0
			0	115	4	4.2	E-BC3	HB	Cr	1-12121-750-0/1cyl
LPR-ISU-R92	4HG1	4	1	115	3	4.15	BF-BC3	SR	Cr	8-97105-867-0
	4HJ1		2	115	2.5	4.8	TUC	CR	Cr	8-97219-054-0
			0	115	4	4.35	E-BC16	SR	GN	
LPR-ISU-		6	1	115	3.5	4.6	BF	HB	4Cr	8-94390-799-0/1cyl
			2	115	2.5	4.8	TUC	CR	Cr	8-91390-733-2/1cyl

R93	6HH1	6	0	115	4	4.35	E-BC16	SR	GN	8-94392-128-1/cyl
LPR-ISU-R94			1	115	3.5	4.6	BF	HB	4Cr	
			2	115	2.5	4.8	TUC	CR	Cr	
			0	115	3	3	E-BC16	SR	GN	
LPR-ISU-R95	6HK1-TC	6	1	115	2.948	4.3	BF-K1	SR	Cr	8-94391-502-3/cyl
			2	115	2	4.3	T1-IB	SR	GN	
			3	115	2.5	4.8	TUC	CR	Cr	
			0	115	3	3	E-BC16	SR	GN	
LPR-ISU-R96	6HL1-1C	6	1	115	2.948	4.25	BF-K1	SR	Cr	8-97601-318-1
			2	115	2.5	4.8	T1-IC	CR	Fe	
			0	115	3	3	E-BC16	SR	GN	
LPR-ISU-R97	4HF1-LPG	4	1	115	3	4.5	BF	HB	4Cr	8-97258-337-0
			2	115	2.5	4.8	TUC	CR	Cr	
			0	115	3	3	E-BC16	SR	GN	
LPR-ISU-R98	4HL	4	1	115	3	4.3	BF	SR	Cr	8-97331-641-0/cyl
			2	115	2	4.25	T1	SR	Cr	
			0	115	3	3.1	E-BC16	SR	GN	
LPR-ISU-R99	10PC1	V-10	1	119	3	4.6	BF	HB	4Cr	1-12121-047-0/cyl
			2	119	2.5	4.8	T1	CR	Cr	
			0	119	4	5	E-C2	HB	Cr	
LPR-ISU-R100	8PC1-T	V-8	1	119	3	4.6	BF	HB	4Cr	1-12121-049-0/cyl
			2	119	2.5	4.8	TUC	HB	Cr	
			0	119	4	5	E-C2	HB	Cr	
LPR-ISU-R101	10PC1-T	V-10	1	119	4	4.6	BF	HB	4Cr	1-12121-062-0/1cyl
			2	119	2.5	4.8	TUC	HB	Cr	
			0	119	4	5	E-C2	HB	Cr	
LPR-ISU-R102	DH100	6	1	120	3	5	BF	CR	4Cr	12181-050
			2	120	3	5	T1	CR	Fe	12181-068
			3	120	3	5	T1	CR	Fe	
			O1	120	6	3.7	E-BC3	CR	Cr	
			O2	120	6	4.8	C1	CR	Fe	
LPR-ISU-R103	DH00BU	6	1	119.5	3	4.9	BF	HB	4Cr	1-12121-030-0
			2	119.5	3	5	T1	CR	Fe	
			0	119.5	6	5.6	E-BC3	CR	Cr	
LPR-ISU-R104	DH100	6	1	120	3	4.9	BF	HB	4Cr	1-12181-001-0
			2	120	3	5	T1	CR	Fe	1-12181-083-0
			3	120	3	5	TUC	CR	Fe	1-12181-086-0
			0	120	6	3.7	E-BC3	CR	Cr	1-12181-114-0
										1-12121-016-0/1cyl
LPR-ISU-R105	6SD1	6	1	120	3.5	5	BF	HB	4Cr	1-12121-094-1
			2	120	2.5	5	TUC	HB	Cr	
			0	120	5	4.95	E-BC16	SR	Cr	

LPR-ISU-R106	6SD1-T	6	1	120	4	4.9	BF-K1	HB	Cr	1-12121-119-2
			2	120	3	4.9	T1-IC	CR	Cr	
			3	120	3	4.9	B1-TUC	CR	Cr	
			0	120	4	4.4	E-BC16	SR	GN	
LPR-ISU-R107	D920-1	6	1	125	3	5.1	BF	HB	4Cr	9-12181-115-0
			2	125	2.5	5.1	T1	HB	Cr	1-12121-013-0/1cyl
			0	125	6	3.8	E-BC3	CR	Cr	
LPR-ISU-R108	D920	6	1	125	3	5.1	BF	HB	4Cr	9-12181-115-0
			2	125	3	5.2	T1	CR	Fe	9-12181-143-0
			3	125	3	5.2	T1	CR	Fe	9-12181-153-0
LPR-ISU-R109	E110	6	0	125	6	5.6	E-BC3	CR	Cr	1-12121-021-0/1cyl
										1-12121-022-0/1cyl
LPR-ISU-R110	6QA1	6	1	125	3	5.1	BF	HB	4Cr	1-12121-028-0/1cyl
			2	125	2.5	5.1	TUC	CR	Cr	
			0	125	6	5.5	E-BC3	CR	Cr	
LPR-ISU-R111	PE1	6	1	127	3.306	4.95	BF-K1	SR	Cr	1-12121-129-1
			2	127	3	5	T1-IC	HB	Cr	
			3	127	3	5.2	B1-TUC	CR	Cr	
			0	127	4	4.35	E-BC16	SR	GN	
LPR-ISU-R112	8PE1	V-8	1	127	4	5.2	BF	HB	4Cr	1-12121-121-1
			2	127	3	5	T1-IC	HB	Cr	
			3	127	3	5.2	B1-TUC	CR	Cr	
			0	127	4	4.35	E-BC16	SR	GN	
LPR-ISU-R113	PE	1	1	127	2.917	4.75	BF-K1	SR	PVD	1-12121-145-0
			2	127	2	4.7	T1-IB	SR	GN	
			3	127	3	5.2	B1-TUC	CR	Cr	
			0	127	4	4.35	E-BC16	SR	GN	
LPR-ISU-R114	6RB1	6	1	132.9	4	5.5	BF	HB	Cr	1-12121-076-0
	MTC		2	132.9	2.5	5.5	TUC	HB	Cr	
			0	132.9	4	4.3	E-BC3	HB	Cr	
LPR-ISU-R115	6WA1-TC	6	1	132.9	4.306	5.2	BF-K1	HB	Cr	1-12121-117-0
			2	132.9	3	5.2	T1-IC	HB	Cr	
			3	132.9	3	5.5	B1-TUC	CR	Cr	
			0	132.9	5	5.7	E-BC3	CR	Cr	
LPR-ISU-R116	6WA1-TC	6	1	132.9	4.306	5.2	BF-K1	HB	Cr	1-12121-117-0/1cyl
			2	132.9	3	5.2	T1-IC	HB	Cr	1-12121-127-1/1cyl
			3	132.9	3	5.5	B1-TUC	CR	Cr	1-12121-136-0/1cyl
			0	132.9	4	4.4	E-BC16	SR	GN	1-12121-142-0/1cyl
LPR-ISU-R117	6WA1-TC	6	1	132.9	3.806	5.15	BF-K1	SR	Cr	
			2	132.9	3	5.2	T1-IC	HB	Cr	
			3	132.9	3	5.5	B1-TUC	CR	Cr	
			0	132.9	5	5.7	E-BC3	CR	Cr	
LPR			1	132.9	3.806	5.15	BF-K1	SR	Cr	1-12121-139-0/1cyl

LPR-ISU-R118	6WA1-TC	6	2	132.9	3	5.2	T1-IC	HB	Cr	1-12121-141-0/1cyl
			3	132.9	3	5.5	B1-TUC	CR	Cr	
			0	132.9	4	4.4	E-BC16	SR	GN	
LPR-ISU-R119	E120	1	1	135	4	5.5	BF	HB	Cr	9-12181-149-0
			2	135	2.5	5.5	T1	CR	Cr	1-12121-023-0/1cyl
			3	135	2.5	5.5	T1	CR	Fe	
			0	135	7	6.2	E-BC3	CR	Cr	
LPR-ISU-R120			1	135	4	5.5	BF	HB	Cr	1-12181-022-0
			2	135	2.5	5.5	TUC	HB	Cr	1-12121-034-0/1cyl
			0	135	7	6.2	E-BC3	CR	Cr	
LPR-ISU-R121	E120-T	6	1	135	3.75	5.5	BF-K1	HB	Cr	1-12181-023-0
			2	135	2.5	5.5	T1-IC	CR	Cr	1-12121-014-0/1cyl
			3	135	2.5	5.5	B1-TUC	CR	Fe	
			0	135	7	6.2	E-BC3	CR	Cr	
LPR-ISU-R122	6RA1.2	6	1	135	4	5.5	BF	HB	Cr	1-12121-040-0/1cyl
	6RB1.2		2	135	2.5	5.5	TUC	HB	Cr	1-12121-037-0/1cyl
			0	135	5	6.2	E-BC3	CR	Cr	
LPR-ISU-R123	6RB1-T	6	1	135	4	5.5	BF	HB	Cr	1-12121-073-0
			2	135	2.5	5.5	TUC	HB	Cr	
			0	135	4	4.3	E-C2	HB	Cr	
LPR-ISU-R124	6RB1-TC	6	1	135	4.5	5.5	BF	HB	4Cr	
			2	135	2.5	5.5	TUC	HB	Cr	
			0	135	4	4.3	E-BC16	HB	Cr	
LPR-ISU-R125	6WG1UTHC	6	1	142.9	2.948	5.35	BF-K1	SR	Cr	1-12121-147-0
			2	142.9	2.5	5.3	T1-IC	SR	GN	
			3	142.9	3	5.9	B1-TUC	CR	Cr	
			0	142.9	4	4.4	E-BC16	SR	GN	
LPR-ISU-R126	V170	V-8	1	145	4	5.9	BF	HB	4Cr	1-12181-008-0
			2	145	3	5.9	TUC	HB	Cr	1-12121-025-0/1cyl
			0	145	6	5.8	E-BC3	CR	JF	
LPR-ISU-R127	8MA1	V-8	1	145	4	5.9	BF	HB	4Cr	1-12181-011-0
			2	145	3	5.9	TUC	HB	Cr	1-12121-018-0/1cyl
			0	145	6	4.6	E-BC3	CR	Cr	
LPR-ISU-R128	8MA1-T	8	1	145	4	5.9	BF-K1	HB	Cr	1-12181-032-0
			2	145	3	5.9	T1	HB	Cr	1-12121-019-0/1cyl
			0	145	6	4.6	E-BC3	CR	Cr	
LPR-ISU-R129	6WG1-TC	6	1	147	3.806	5.55	BF-K1	SR	Cr	1-12121-143-0
	6WF1-FC		2	147	3	5.8	T1-IC	HB	Cr	
			3	147	3	6.1	B1-TUC	CR	Cr	

			0	147	4	4.4	E-BC16	SR	GN	
LPR-ISU-R130			1	147	2.948	5.55	BF-K1	SR	Cr	1-12121-144-0
			2	147	2.5	5.5	T1-IB	SR	GN	
			3	147	3	6.1	B1-TUC	CR	Cr	
			0	147	4	4.4	E-BC16	SR	GN	
KIA										
LPR-KIA-R01	KAL	4	1	68	1.2	2.5	BF	SR	Cr	KKIY-11-SCO
			2	68	1.5	3.1	TUC	CR	Fe	
			0	68	3	2.95	NIFS	SR	Cr	
LPR-KIA-R02		3	1	68.5	1.2	2.5	BF	SR	GN	12140-78b00-000
			2	68.5	1.5	2.8	T1	CR	Fe	
			0	68.5	2.8	2.85	NIFS	SR	GN	
LPR-KIA-R03		3	1	70	1.2	2.5	BF-IB	SR	GN	K0BMI-11-SCO
			2	70	1.5	3	ES-TUC	CR	Fe	
			0	70	2.8	2.85	NIFS	SR	GN	
LPR-KIA-R04	B3	4	1	71	1.2	2.47	BF	SR	Cr	K1Y0-11-SCO K1Y1-11-SCO
			2	71	1.5	3.1	TUC	CR	Fe	
			0	71	3	2.92	NIFS	SR	Cr	
LPR-KIA-R05		4	1	75.5	1.2	2.85	BF-IB	SR	Cr	0K3Y0-11-SCO
			2	75.5	1.2	3.3	TUC	CR	Fe	
			0	75.5	2.5	2.8	NIFS	SR	Cr	
LPR-KIA-R06		4	1	78	1.5	3.05	BF	SR	Cr	K9Y1-11-SCO
			2	78	1.5	3.2	TUC	CR	Fe	
			0	78	4	2.95	NIFS	SR	Cr	
LPR-KIA-R07	NB1(OLD)	4	1	86	2	3.05	BF-IB	SR	Cr	R201-23-130
			2	86	2	3.6	T1-IC	CR	Fe	
			0	86	4	4.15	E-BC16	SR	GN	
LPR-KIA-R08	R2 NB7	4	1	86	2	3.05	BF-IB	SR	Cr	K7Y1-11-SCO
			2	86	2	3.6	T1-IC	CR	Cr	
			0	86	3	3.25	E-BC16	SR	GN	
LPR-KIA-R09	R2	4	1	86	2	3.05	BF-K2	SR	Cr	K7ZO-11-SCO
			2	86	2	3.6	T1-IC	CR	Fe	
			0	86	4	4.15	E-BC16	SR	GN	
LPR-KIA-R10	S2	4	1	88.93	2.383	3.45	BF	SR	Cr	K6ZO-11-SCO
			2	88.93	2.383	3.5	T1-IC	CR	Fe	
			0	88.93	4.763	4.6	E-BC16	SR	Cr	
LPR-KIA-R11	K2400	4	1	92	2.4	3.8	BF	CR	Cr	K7ZO-11-SCO
			2	92	2.4	3.8	T1	CR	Fe	
			0	92	4	4.1	E-BC3	CR	GN	
LPR-KIA-R12			1	92	2.4	3.8	BF-K1	CR	Cr	
			2	92	2.4	3.8	T1	CR	Fe	
			0	92	4	4.35	E-BC16	SR	Cr	
LPR-			1	92	2.85	3.8	BF-K1	CR	Cr	K4ZO-11-SCO

KIA-R13	K2700	4	2	92	2.4	3.8	T1	CR	Fe	K480-23-206
			0	92	4	4.35	E-BC16	CR	GN	
LPR-KIA-R14			1	92	2.85	3.8	CRI-BF	SR	Cr	
			2	92	2.4	3.8	T1-IC	CR	Cr	
			0	92	4	4.35	E-C2	SR	Cr	
LPR-KIA-R15	K4100	6	1	92.03	2.383	3.6	BF	HB	Cr	OK8Y1-11-SCO
			2	92.03	2.383	3.6	T1-IC	CR	Cr	
			0	92.03	4.763	4.3	E-BC16	CR	GN	
LPR-KIA-R16	ZB K4100	6	1	92.03	2.383	3.45	BF-IB	SR	Cr	OK8Y1-11-SCO
			2	92.03	2.383	3.6	TUC	CR	Cr	
			0	92.03	4.763	4.6	E-BC16	SR	GN	
LPR-KIA-R18	RFA	4	1	93	2	3.25	BF	SR	Cr	VNY1-11-SCO
			2	93	2	3.7	T1-IC	CR	Cr	
			0	93	3	3.25	E-BC16	SR	GN	
LPR-KIA-R19	K2700	4	1	94.5	2	3.25	BF	SR	Cr	K6Z1-11-SCO
			2	94.5	2	4	T1-IC	CR	Cr	
			0	94.5	3	3.25	E-BC16	SR	GN	
LPR-KIA-R20	HA1	4	1	95	2.383	3.45	BF	SR	Cr	KOYO-11-SCO
			2	95	2.383	3.8	T1	CR	Cr	
			0	95	4	4.15	E-BC16	SR	GN	
LPR-KIA-R21	J3	4	1	97.1	2	3.5	BF-K2	SR	GN	K5Z1-11-SCO
			2	97.1	2	3.9	T1-IC	CR	Cr	
			0	97.1	3	3.25	E-BC16	SR	GN	
LPR-KIA-R22	K3000	4	1	98	2	3.65	BF-IB	SR	Cr	K7Z1-11-SCO
			2	98	2	3.9	T1-IC	CR	Cr	
			0	98	3	3.25	E-BC16	SR	GN	
LPR-KIA-R23	SH3	4	1	100	2.5	4.2	CRI-BF	HB	Cr	K4Y0-11-SCO
			2	100	2	4.3	T1-IC	CR	Cr	
			0	100	4.5	4.2	E-BC3	CR	Cr	
LPR-KIA-R24	K3500 SH3	4	1	100	2.5	3.65	BF	SR	Cr	OK4Y-11-SCO
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4.5	4.6	E-BC16	SR	GN	
LPR-KIA-R25	K3600 SH	4	1	110	2	3.65	BF	SR	Cr	OK4Y1-11-SCO
			2	110	2	4.2	T1-IC	CR	Cr	
			0	110	3	3.25	E-BC16	SR	GN	
LPR-KIA-R26	HO7C	6	1	110	3	4.5	BF	HB	4Cr	OK8YO-11-SCO
			2	110	2.5	4.5	T1-IC	CR	Fe	
			3	110	2.5	4.5	B1-TUC	CR	Cr	
			0	110	5	4.7	E-BC3	CR	Cr	
LPR-KIA-R27			1	110	3	4.05	BF	SR	Cr	
			2	110	2.5	4.5	T1-IC	CR	Fe	

LPR-KIA-R27			3	110	2.5	4.5	B1-TUC	CR	Cr	
			0	110	5	4.95	E-BC16	CR	GN	
LPR-KIA-R28	EF750	8	1	137	3.306	5.4	BF-K1	HB	Cr	AA92A-11-120
			2	137	3.5	5.4	T1-IC	CR	Cr	
			3	137	3.5	5.5	B1-TUC	CR	Cr	
			0	137	6	5.5	E-BC3	CR	Cr	
KOMATSU										
LPR-KMU-R01	4D92	4	1	92	3	4	T1-K1	CR	Cr	6141-31-2020
			2	92	3	4	T1	CR	Fe	6140-31-2040/1cyl
			0	92	6	4.5	E-BC3	CR	Cr	
LPR-KMU-R02	4D94	4	1	94	2.9	3.8	BF	HB	Cr	6142-32-2020
			2	94	2.5	4.1	T1	CR	Fe	6142-32-2030/1cyl
			0	94	5	4.4	E-BC16	CR	Cr	
LPR-KMU-R03	4D95	4	1	95	2.2	4	BF-K2	CR	Cr	620-32-2300
			2	95	2.2	4	T1-K2	CR	Fe	
			0	95	4	4.15	E-BC16	SR	Cr	
LPR-KMU-R04	S4D95	4	1	95	2.2	4	BF-K2	CR	Cr	6202-32-2200
			2	95	2	4	T1	CR	Fe	
			0	95	4	4.15	E-BC16	SR	Cr	
LPR-KMU-R05	S6D95	6	1	95	2.5	3.7	BF-K1	HB	Cr	6207-31-2500
			2	95	2.2	4	T1-K2	CR	Cr	
			0	95	4	4.15	E-BC16	SR	Cr	
LPR-KMU-R06			1	95	2.2	3.45	BF-K1	SR	Cr	
			2	95	2.2	4	T1-K2	CR	Cr	
			0	95	4	4.15	E-BC16	SR	GN	
LPR-KMU-R07			1	95	2.5	3.7	BF-K1	HB	Cr	6209-31-2400
	2	95	2.2	4	T1-K1-IC	HB	Cr			
	0	95	4	4.15	E-BC16	SR	Cr			
LPR-KMU-R08	6D95	6	1	95	2	4	BF	CR	Cr	6204-31-2202
	SA1D95		2	95	2	4	T1	CR	Fe	
			0	95	4	4.15	E-BC16	SR	Cr	
LPR-KMU-R09	6D95	6	1	95	2.2	4	BF-K2	CR	Cr	6202-32-2200
			2	95	2	4	T1	CR	Fe	
			0	95	4	4.15	E-BC16	SR	Cr	
LPR-KMU-R10	S6D102	6	1	102	2.875	4.05	BF-K1	SR	Cr	
			2	102	2.37	4.2	T1-IB	CR	Fe	
			0	102	4	4.35	E-BC16	SR	GN	
LPR-			1	102	3	4.2	BF	HB	Cr	6136-31-2030
			2	102	2.5	4.5	T1-IC	CR	Fe	6130-31-2202

KMU-R11	4D105	4	0	102	5	4.7	E-BC3	CR	Cr	6130-32-2202
										6130-32-2301/1cyl
										6130-32-2302/1cyl
LPR-KMU-R12	S4D105	4	1	105	3	4.2	BF-K1	HB	Cr	6130-31-2201
			2	105	2.5	4.5	T1-IC	CR	Cr	6131-32-2302
			0	105	5	4.7	E-BC3	CR	Cr	
LPR-KMU-R13	S6D105	6	1	105	3	4.2	BF-K1	HB	Cr	6137-31-2040
			2	105	2.5	4.5	T1-K2	CR	Cr	
			0	105	5	4.7	E-BC3	CR	Cr	
LPR-KMU-R14	S6D105	6	1	105	3	3.85	BF-K1	SR	Cr	
			2	105	2.5	4.5	T1-K2	CR	Cr	
			0	105	5	4.7	E-BC3	CR	Cr	
LPR-KMU-R15	S6D105	6	1	105	3	4.2	BF	HB	Cr	6136-31-2010
			2	105	2.5	4.5	T1-IC	CR	Cr	6136-31-2030/1cyl
			0	105	5	4.7	E-BC3	CR	Cr	
LPR-KMU-R16	4D105-2	1	1	105	2.984	4.375	BF-K1	HB	Cr	
			2	105	2.955	4.38	T1-K1-IC	HB	Cr	
			0	105	4	4.45	E-BC16	CR	Cr	
LPR-KMU-R17	6D108	6	1	108	2.5	4.35	BF-K1	HB	Cr	6221-31-2200
			2	108	2.53	4.35	T1-K1-IC	HB	Cr	
			0	108	4	4.15	E-BC16	SR	Cr	
LPR-KMU-R18	S6D110	6	1	110	3	4.4	BF-K1	HB	Cr	6138-31-2200
			2	110	2.5	4.6	T1-K2	CR	Cr	
			0	110	5	4.05	E-BC16	SR	Cr	
LPR-KMU-R19	4D120	4	1	120	3.5	4.8	BF	HB	Cr	6110-30-2301
			2	120	2.5	5	T1-IC	CR	Cr	6110-30-2302
			0	120	5.5	5.7	E-BC3	CR	Cr	6110-30-2303
										6110-30-2401
										6110-30-2402
										6110-30-2403
LPR-KMU-R20	6D125	6	1	125	2.4	5	BF-K1	HB	Cr	6150-31-2030
			2	125	2.4	5	T1-K1-IC	HB	Cr	
			0	125	4	4.4	E-BC16	CR	Cr	
LPR-KMU-R21	4D130	4	1	130	3.5	5.1	BF	HB	Cr	6114-30-2303
			2	130	2.5	5.4	T1-IC	CR	Cr	6114-30-2403/1cyl
			0	130	5.5	5.8	E-BC3	CR	Cr	
LPR-KMU-R22	6D140	6	1	130	2.4	5.4	BF-K1	HB	Cr	611-31-2031
			2	130	2.4	5.4	T1-K1-IC	HB	Cr	
			0	130	4	4.15	E-BC16	SR	Cr	
LPR-KMU-R23	6D155	6	1	155	4	6.4	BF-K1	HB	Cr	6128-31-2022
			2	155	3.5	6.2	T1-IC	HB	Cr	6128-31-2023

LPR-KMU-R23	SD155	6	O1	155	6	5.7	E-BC1	CR	Cr	6128-31-2033
			O2	155	4	6.2	BC3	CR	Cr	6128-31-2033/1cyl
LPR-KMU-R24	SD155	6	1	155	3.68	6.06	BF-K1	HB	Cr	6128-31-2060
	SA6D155		2	155	3.55	6.06	T1-K1-IC	HB	Cr	6128-31-2070/1cyl
			0	155	4.75	5	E-BC16	CR	Cr	

MAN

LPR-MAN-R01	MAN0846	6	1	108	2.5		CrI p		ACI	227 52 NO(MAHLE)
			2	108	2.5		P		ACI	80 0015410000(KS)
			0	108	5		CrI p		ACI	06-280000-10(GOETZE)
LPR-MAN-R02	MAN2156	6	1	121	3.5		CrI p		ACI	22840VO(MAHLE)
			2	121	3		P		ACI	800014810000(KS)
			3	121	3		P		ACI	06-274800-10(GOETZE)
			0	121	5.5		CrI p		ACI	
LPR-MAN-R03	MAN2356	6	1	123	3.5		CrI p		ACI	800014910000(KS)
			2	123	3		P		ACI	06-282100-10(GOETZE)
			3	123	3		P		ACI	
			0	123	5.5		CrI p		ACI	
LPR-MAN-R04	228/82 Turbo	6	1	125	3.5		CrI		DCI	22882NO(MAHLE)
			2	125	3		P		ACI	800015410000(KS)
			0	125	5		CrI p		ACI	
LPR-MAN-R05	228/05	6	1	125	3		CrI		ACI	22805NO(MAHLE)
	Normol		2	125	3				ACI	800015110000(KS)
			0	125	5		CrI		ACI	06-874400-20(GOETZE)
LPR-MAN-R06	228/90	6	1	128	3.5		CrI p		DCI	22890NO(MAHLE)
			2	128	3		P		ACI	800015510000(KS)
			0	128	5		CrI		ACI	

MAZDA

LPR-MZD-R01	PN	4	1	78	2	2.9	BF	SR	GN	PN11-11-SCO
			2	78	1.2	3.2	T1-IB	CR	Cr	PNY2-11-SCO
			0	78	3	3.25	E-BC16	CR	GN	
LPR-MZD-R02	R2	4	1	86	2	3.5	CRI-BF-IB	HB	Cr	F201-23-130B
			2	86	2	3.6	T1-IC	CR	Fe	
			0	86	4	3.9	E-BC3	SR	Cr	
LPR-MZD-R03		4	1	86	2	3.05	BF-IB	SR	Cr	
			2	86	2	3.6	T1-IC	CR	Fe	
			0	86	4	3.15	E-BC16	SR	GN	
LPR-MZD-			1	86	2	3.1	BF-IB	SR	Cr	
			2	86	2	3.6	T1-IC	CR	Cr	

R04			0	86	4	4.42	E-BC16	SR	GN	
LPR-MZD-R05	RFX	4	1	86	2	3.1	BF-K3	SR	Cr	RF01-23-130
			2	86	2	3.6	T1-IC	CR	Cr	RFYO-11-SCOD
			0	86	4	4.35	E-BC16	SR	GN	
LPR-MZD-R06			1	86	2	3.1	BF-K3	SR	Cr	
			2	86	2	3.6	T1-IC	CR	Cr	RFYO-11SCO
			0	86	3	3.25	E-BC16	SR	GN	
LPR-MZD-R07	R2	4	1	86	2	3.1	BF-IB	SR	Cr	
			2	86	2	3.6	T1-IC	CR	Cr	R2B6-11-SCO
			0	86	3	3.25	E-BC16	SR	GN	
LPR-MZD-R08	XA	4	1	88.9	2.383	3.5	P	HB	JF	0559-23-206
			2	88.9	2.383	3.5	IC	HB	JF	0559-23-207
			3	88.9	2.383	3.5	IC	HB	JF	0636-23-206
			O1	88.9	2.383	3.5	BC3	HB	JF	0636-23-207
			O2	88.9	2.383	3.5	C1	HB	JF	0636-23-210
LPR-MZD-R09	YA	4	1	88.9	2.383	3.5	P	HB	JF	0727-23-206
			2	88.9	2.383	3.5	IC	HB	JF	0727-23-210
			3	88.9	2.383	3.5	IC	HB	JF	
			O1	88.9	4.763	3.5	BC3	HB	JF	
			O2	88.9	4.763	3.5	C1	HB	JF	
LPR-MZD-R10	S2	4	1	88.93	2.383	3.5	CRI-BF	HB	Cr	
			2	88.93	2.383	3.5	T1-IC	HB	Fe	1456-23-206
			0	88.93	4.763	4.3	E-C2	CR	Cr	
LPR-MZD-R11	XA(NEW)	4	1	88.93	2.383	3.45	BF	SR	Cr	
			2	88.93	2.383	3.5	T1-IC	CR	Fe	
			0	88.93	4.763	4.6	E-BC16	SR	GN	
LPR-MZD-R12	XB	4	1	92	2.383	3.6	CRI	HB	JF	
			2	92	2.383	3.6	IC	HB	JF	
			3	92	2.383	3.6	IC	HB	JF	0527-23-206 0528-23-206
			O1	92	4.763	3.6	BC3	HB	JF	
			O2	92	4.763	3.6	C1	HB	JF	
LPR-MZD-R13	ZB	6	1	92	2.383	3.6	CRI	HB	JF	
	XB		2	92	2.383	3.6	IC	HB	JF	
	EZA		3	92	2.383	3.6	IC	HB	JF	078-23-206
			O1	92	4.763	3.6	BC3	HB	JF	
			O2	92	4.763	3.6	C1	HB	JF	
LPR-MZD-R14			1	92.03	2.383	3.6	CRI-BF	HB	Cr	
			2	92.03	2.383	3.6	T1-IC	CR	Cr	V101-23-206
			0	92.03	4.763	4.3	E-C2	CR	Cr	
LPR-MZD-			1	92.03	2.383	3.45	BF	SR	Cr	
			2	92.03	2.383	3.6	T1-IC	CR	Cr	

R15			0	92.03	4.763	4.6	E-BC16	SR	GN	
LPR-MZD-R16	J15A WL	4	1	93	2.5	3.55	BF-IB	SR	PVD	WLY1-11-SCO
			2	93	2	3.9	T1-IB	CR	Cr	
			0	93	3	3.25	E-BC16	SR	GN	
LPR-MZD-R17	HA	4	1	95.03	2.383	3.8	CRI-BF	HB	Cr	1363-23-206
			2	95.03	2.383	3.8	T1-IC	CR	Cr	SE01-23-206
			0	95.03	4.763	4.3	E-C2	CR	Cr	
LPR-MZD-R18			1	95.03	2.383	3.45	BF	SR	Cr	
			2	95.03	2.383	3.8	T1-IC	CR	Fe	
			0	95.03	4.763	4.65	E-BC16	SR	GN	
LPR-MZD-R19	SL	4	1	100	2.5	4.2	BF-K2	HB	Cr	SL01-23-206
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4.5	4.2	E-BC3	CR	Cr	
LPR-MZD-R20			1	100	2.5	3.65	BF-K2	SR	Cr	
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4.5	4.5	E-BC16	SR	GN	
LPR-MZD-R21			1	100	2.5	4.2	BF	HB	4Cr	
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4.5	4.2	E-BC3	CR	Cr	
LPR-MZD-R22			1	100	2.5	3.65	BF	SR	Cr	
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4.5	4.2	E-BC13	SR	GN	
LPR-MZD-R23			1	100	2.5	4.2	BRI-BF	HB	4Cr	SL50-11-SCO
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4.5	4.2	E-BC3	CR	Cr	
LPR-MZD-R24	XC	4	1	101.1	2.383	4	CRI	HB	JF	1304-23-210X
	ZC	6	2	101.1	2.383	4	IC	HB	JF	(2cyl pack)
			0	101.1	2.383	4.35	E-BC16	CR	JF	
LPR-MZD-R25	TF70	4	1	105.5	2.5	3.9	BF	SR	Cr	TF70-11-SCO
	J35L		2	105.5	2	4.6	T1-IC	CR	Cr	
			0	105.5	3	3.25	E-BC16	SR	GN	
LPR-MZD-R26	TF	4	1	105.5	2.5	4.5	CRI-BF	HB	Cr	TF01-11-SCO
			2	105.5	2	4.6	T1-IC	CR	Cr	
			0	105.5	4.5	4.6	E-BC3	CR	Cr	
LPR-MZD-R27	TM	4	1	109	3	3.7	BF-K2	SR	GN	TMYO-11-SCO
			2	109	2	4.6	T1-IC	CR	Cr	
			0	109	3	3.25	E-BC16	SR	GN	

MERCEDES-BENZ

LPR-RF7	COMP	77	1	77	2.5	3.2	IF	Aci	P	
			2	77	2.5	3.2	IF	Aci	P	

BEZ-R01	COMP.	77	3	77	3	3.45	NM	Aci	P	
			0	77	4	3.1	D	Aci		
LRP-BEZ-R02		4	1	87	2		R-B	Dci	CrI	M246790(PC)
			2	87	2		N	Aci	P	
			0	87	4		DSF	Aci	CrI	
LRP-BEZ-R03		4	1	87	2		R-B	Dci	CrI	M204900(PC)
			2	87	2		N	Aci	P	
			0	87	4		DSF	Aci	CrI	
LRP-BEZ-R04		4	1	87	3		R-B	Dci	CrI	M295710(PC)
			2	87	2		N	Aci	P	
			0	87	4		DSF	Aci	CrI	
LRP-BEZ-R05		4	1	87	3		R-B	Dci	CrI	M334220(PC)
			2	87	2		N	Aci	P	
			0	87	4		DSF	Aci	CrI	
LRP-BEZ-R06	OM601	4	1	87	2		R-B	Dci	CrI P	002 08 NO(MAHLE)
	OM602		2	87	2		IF	F14	P	06-183200-00(GEOTZE)
			0	87	3		DSF	Aci	P	06-183207-00(GEOTZE)
LRP-BEZ-R07	1973-78 2197CC Eng.200,220D	4	1	87	2		IF-B	Dci	CrI P	
			2	87	2		IW	Aci	P	06-170700-00(GEOTZE)
			0	87	4		IF	Aci	P	
LRP-BEZ-R08	200D,220D OM615,913 3RING P1STON	4	1	87	3		IW-B	Dci	MO P	06-170600-00(GEOTZE)
			2	87	2		IF	Aci	P	06-170607-00(GEOTZE)
			0	87	4		DSF	Aci	P	
LRP-BEZ-R09	COMP	4	1	88.05	2		IF-N	Aci	P	
			2	88.05	2		IF-N	Aci	P	
			3	88.05	2.5		N	Aci	P	
			0	88.05	5		S	Aci	P	
LRP-BEZ-R10	1989-91 OM601, D23(4cyl)	4	1	89	2.5		CrI p		DCI	
	OM603, D35A(TURBO)		2	89	2		P		ACI	
	970 3.5L(6cyl)		3	89	3		CrI p		ACI	06-743100-00(goetze)
LRP-BEZ-R11	1980-on 109E,200T M10Z Eng	4	1	89	1.75		IF-B	Dci	CrI p	
			2	89	2		NM	Aci	P	
			0	89	3.5		DSF	Aci	CrI p	
LRP-BEZ-R12	COMP M24	4	1	90	2.5		M	Aci	P	
			2	90	2.5		N	Aci	P	00414 VO(MAHLE)
			3	90	2.5		N	Aci	P	8000018211000(KS)
			0	90	4		G	Aci	P	
LRP-BEZ-R13	COMP	1	1	90	2.5		NM	Aci	P	
			2	90	2.5		NM	Aci	P	06-4045000-00(GOETZE)
			0	90	4		DSF	Aci	P	
	1974-85		1	91	3		IW-B	Dci	CrI p	
	2404CC		2	91	2		IW	Aci	P	

LRP-BEZ-R14	Diesel Eng.	4	0	91	4		DSF	Aci	Crl p	06-876300-00(GOETZE)
	240D									
	2971CC									
	OM616									
	OM617									
	300SD Turbo									
LRP-BEZ-R15	OM617 910/912	5	1	91	3		IF-B	Dci	MO	M270440(PC)
			2	91	2		IF-B	Aci	MO	
			0	91	4		DSF	Aci	Crl	
LRP-BEZ-R16		4	1	91.5	3		IW-B	Dci	Crl p	06-173807-20(GOETZE)
			2	91.5	2		IW	Aci	MO P	
			0	91.5	4		DSF	Aci	Crl p	
LRP-BEZ-R17		1	1	91.5	3		IF-B	Dci	MO	M002360(PC)
			2	91.5	2		IW	Aci	MO	
			0	91.5	4		DSF	Aci	Crl	
LRP-BEZ-R18	M102,E2.3	4	1	95.5	1.75		IF-B	Dci	Crl p	00277 NO(MAHLE)
			2	95.5	2		NM	Aci	P	80 00189 40000(KS)
			0	95.5	3.5		DSF	Aci	Crl p	
LRP-BEZ-R19	1964	6	1	97	3		T-B	Dci	Crl Tin	00045 NO(MAHLE)
	On5675cc		2	97	3		M	Aci		800010910000(KS)
	Eng.126		3	97	3		NM	Aci		06-174300-70(GOETZE)
	h.p.om352		0	97	5.5		DSF	Aci	Crl	06-178800-10(GOETZE)
	19640n		0	97	5.5		D	Aci		004 51 NO
	3780ccEng.									
	60,80,100 h.p.									
LRP-BEZ-R20	OM366	6	1	97	2.45		T-B	Dci	Crl	
			2	97	2.5		IF	Aci	p	
			0	97	4		DSF	Aci	Cr4	
LRP-BEZ-R21	OM314	6	1	97	2.5		T-B	Dci	MO P	022 50 VO(MAHLE)
	OM352		2	97	2.5		IW	Aci	MO P	
	Turbo		0	97	4		DSF	Aci	Crl p	800019111000(KS)
LRP-BEZ-R22	OM441	1	1	100	2.5		M	Aci	Crl	
	OM442		2	100	2.5		N	Aci	P	
			0	100	4		DSF	Aci	Crl	
LRP-BEZ-R23	OM360	6	1	115	3.5		IF	Dci	Crl(mo)	80 00110 10000(ks)
			2	115	3		DSF	Aci	mo	06-176400-20(goetze)
			0	115	5.5		T-B	Dci	Crl	005 11 no(MAHLE)
LRP-BEZ-R24	OM412	6	1	125	3		T-B	Dci	MO	06-176800-70-(GOETZE)
	OM401		2	125	3		NM-IWU	Aci	Crl p(mo)	06-176000-30(GOETZE)
			0	125	4		DSF	Aci	Crl	80 0019411 000(KS)
LRP			1	125	3		T-B	Dci	Crl p(mo)	003 45 VO(MAHLE)

LRP-BEZ-R25	OM401	6	2	125	3		NM-M	Aci	P	003 45 GO(MAHLE)
			0	125	6		DSF	Aci	CrI	80 00193 110 000(KS)
										06-181700-20(GOETZE)
LRP-BEZ-R26	D2840	6	1	128	4		T-B	Dci	CrI p	08-124500-00(GOETZE)
			2	128	3		M	Aci	P	
			0	128	4		DSF	Aci	CrI p	
LRP-BEZ-R27	OM422	6	1	128	3		T-B	Dci	MO	003 66 vo(MAHLE)
			2	128	3		NM	Aci	MO	80 00195 11000(KS)
			0	128	4		DSF	Aci	CrI	06-181700-20(GOETZE)
LRP-BEZ-R28	OM422	6	1	128	3		T-B	Dci	MO P	08-179300-10(GOETZE)
			2	128	3		IWU	Aci	CrI p	
		8	0	128	4		DSF	Aci	CrI p	
LRP-BEZ-R29	OM422	6	1	128	3		T-B	Dci	MO	003 76 NO(MAHLE)
			2	128	3		IWU	Aci	CrI	
		8	0	128	4		DSF	Aci	CrI	
LRP-BEZ-R30	OM355	6	1	128	3.5		T-B	Dci	MO(CrI)	00354 VO (MAHLE)
	OM346		2	128	3.5		IF	Aci	P	003 54 V2(MAHLE)
	Truck		3	128	3.5		NM	Aci	P	003 64 V3(MALE0
			0	128	6.5		DSF	Aci	CrI	80 00196 11000(KS)
										08-176900-10(GOETZE)
LRP-BEZ-R31	OM443	6	1	130	3		T-B	Dci	CrI p	003 78 VO(MAHLE)
			2	130	3		IWU	Aci	CrI p	80 0019710000(KS)
			0	130	4		DSF	Aci	CrI	06-742300-00(GOETZE0
MITSUBISHI										
LPR-MIT-R01	4G11-EC	4	1	68.2	1.5	2.7	BF	SR	GN	MD030360
			2	68.2	1.5	3.1	T1	CR	Fe	
			0	68.2	4	3.15	NIFS	SR	GN	
LPR-MIT-R02	4G-11	4	1	69.5	1.5	3.1	BF	CR	Cr	MD030350
			2	69.5	1.5	3.1	T1	CR	Fe	MD031670
			0	69.5	4	3.2	NIFS	SR	Cr	
LPR-MIT-R03	2G23	2	1	70	1.5	3.1	BF	CR	Cr	MD019610
			2	70	1.5	3.12	T1	CR	Fe	
			0	70	2.5	3.05	NIFS	SR	Cr	
LPR-MIT-R04		4	1	71	2	3.3	BF	CR	Cr	MD010850
			2	71	2	3.3	T1	CR	Fe	
			0	71	4	3.85	NIFS	SR	Cr	
LPR-MIT-			1	71	1.5	2.7	BF	SR	GN	MD074687
			2	71	1.5	3.1	T1	CR	Fe	MD078543

R05	4G13	4	0	71	4	3.2	NIFS	SR	FG	MD115490
LPR-MIT-R06			1	71	1.2	2.5	BF	SR	GN	MD158908
			2	71	1.5	3.1	T1	CR	Fe	
			0	71	3	2.8	NIFS	SR	GN	
LPR-MIT-R07	4G17	4	1	72.2	1.2	2.5	BF	SR	GN	MD165325
			2	72.2	1.5	3.1	T1	CR	Fe	
			0	72.2	3	2.85	NIFS	SR	Cr	
LPR-MIT-R08	4G30	4	1	73	2	3.3	BF	CR	Cr	MDO00770
	4G33(OLD)		2	73	2	3.3	T1	CR	Fe	
			0	73	4	3.05	NIFS	SR	Cr	
LPR-MIT-R09	4G33(NEW)	4	1	73	1.5	2.7	BF	SR	GN	MD034010
			2	73	1.5	3.3	T1	CR	Fe	MD115500
			0	73	4	3.2	NIFS	SR	GN	
LPR-MIT-R10	4G31B	4	1	74.5	1.5	2.85	BF	SR	Cr	MD107368
			2	74.5	1.5	3.2	T1	CR	Fe	
			0	74.5	4	3.2	NIFS	SR	Cr	
LPR-MIT-R11	4G15	4	1	75.5	1.5	2.9	BF	SR	GN	MD074725
			2	75.5	1.5	3.3	T1	CR	Fe	MD078548
			0	75.5	4	3.2	NIFS	SR	GN	MD104656
LPR-MIT-R12	4G18	4	1	76	1.2	2.7	BF	SR	GN	MD349422
			2	76	1.5	3.1	TUC	CR	Fe	
			0	76	2.8	2.55	NIFS	SR	GN	
LPR-MIT-R13	4G41	4	1	76.5	2	3.5	BF	CR	Cr	MD010710
			2	76.5	2	3.5	T1	CR	Cr	MD010715
			0	76.5	4	3.65	NIFS	SR	Cr	MD011893
LPR-MIT-R14	4G32	4	1	76.9	2	3.5	BF	CR	Cr	MD000725
			2	76.9	2	3.5	T1	CR	Fe	MD004709
			0	76.9	4	3.85	NIFS	SR	Cr	MD004739
										MD004770
										MD005885
										MD007251
										MD008105
										MD106741
LPR-MIT-R15	6A12	6	1	78.4	1.2	3.05	BF	SR	Cr	MD302644
			2	78.4	1.2	3.05	T1	CR	Fe	MD189104
			0	78.4	2.8	2.6	NIFS	SR	Cr	
LPR-MIT-R16	4G62	4	1	80.6	2	3.5	BF	CR	Cr	MD040610
			2	80.6	2	3.7	T1	CR	Fe	MD106736
			0	80.6	4	3.25	NIFS	SR	Cr	
LPR-MIT-R17	4G51	4	1	81	2	3.5	BF	HB	SN	MD023060
			2	81	2	3.7	T1	CR	Cr	
			0	81	4	3.25	NIFS	SR	Cr	

LPR-MIT-R18	4G92	4	1	81	1.2	2.9	BF	SR	GN	MD173211
2			81	1.2	3.6	T1	CR	Cr		
0			81	2.8	2.8	NIFS	SR	GN		
LPR-MIT-R19	4G67	4	1	81.5	1.2	3.1	BF	SR	Cr	MD153602
			2	81.5	1.5	3.6	T1	CR	Cr	
			0	81.5	3	2.9	NIFS	SR	GN	
LPR-MIT-R20	4G52		1	84	2	3.6	BF	HB	Cr	MD021010
			2	84	2	3.7	T1	CR	Cr	MD021035
			0	84	4	3.8	NIFS	SR	Cr	MD021070
LPR-MIT-R21	4G63	4	1	85	2	3.6	BF	HB	Cr	MD040640
			2	85	2	3.7	T1	CR	Fe	MD040840
			0	85	4	3.25	NIFS	SR	Cr	MD041580
LPR-MIT-R22			1	85	1.5	3.3	BF	SR	Cr	MD105516
			2	85	1.5	3.8	T1	CR	Cr	
			0	85	4	3.25	NIFS	SR	GN	
LPR-MIT-R23			1	85	1.2	3.1	BF	SR	GN	MD133185
			2	85	1.5	3.8	ES-TUC	CR	Cr	
			0	85	3	2.85	NIFS	SR	GN	
LPR-MIT-R24	G63B	4	1	85	1.5	3.5	BF	SR	Cr	MD100467
	G63BT/C		2	85	1.5	3.8	T1	CR	Fe	
			0	85	4	3.3	NIFS	SR	Cr	
LPR-MIT-R25	4G64	4	1	86.5	1.5	3.3	BF	SR	GN	MD103580
			2	86.5	1.5	3.5	ES-TUC	CR	Fe	
			0	86.5	4	3.05	NIFS	SR	GN	
LPR-MIT-R26	4G53	4	1	88	2	3.8	BF	HB	Cr	MD025000
			2	88	2	4.1	T1	CR	Cr	MD026985
			0	88	4	3.3	NIFS	SR	Cr	
LPR-MIT-R27	4G54B	4	1	91.1	2	3.5	BF	HB	Cr	MD025089
			2	91.1	2	3.8	T1	CR	Cr	MD026835
			0	91.1	4	3.25	NIFS	SR	Cr	MD026960
LPR-MIT-R28	6G72	6	1	91.1	1.2	3.3	BF	SR	GN	MD027140
	DOHC		2	91.1	1.5	3.8	T1	CR	Cr	MD158334
			0	91.1	3	2.85	NIFS	SR	GN	
LPR-MIT-R29	6G72	6	1	91.1	1.5	3.3	BF	SR	Cr	MD104922
			2	91.1	1.5	3.8	T1	CR	Cr	MD104939
			0	91.1	4	3.25	NIFS	SR	Cr	MD129548
LPR-MIT-R30	6G74	6	1	93	1.5	3.45	BF-IB	SR	Cr	MD322783
			2	93	1.5	3.9	ES-TUC	CR	Fe	
			0	93	3	3	NIFS	SR	Cr	
			1	68	2	2.8	BF-K3	CR	Cr	

LPR-MIT-R31	D400	1	2	68	1.5	3	T1-IC	CR	Fe	MM332614
			3	68	1.5	3	B1-TUC	CR	Fe	
			0	68	3.5	3.1	BC3	CR	Cr	
LPR-MIT-R32	K4E	1	1	76	2.49	3.3	BF-K2	CR	Cr	MM431579
			2	76	2	3.3	T1-IC	CR	Fe	
			0	76	4	3.6	E-BC16	CR	Cr	
LPR-MIT-R33	4D65	4	1	80.6	2	3.5	BF-K2	HB	Cr	MD071206
			2	80.6	2	3.7	T1	CR	Cr	
			0	80.6	4	4.15	E-BC16	SR	Cr	
LPR-MIT-R34	4D68NA	4	1	82.7	2	3.25	BF-K2	SR	Cr	MD197162
			2	82.7	2	3.5	TUC	CR	Cr	
			0	82.7	3	3.25	E-BC16	SR	GN	
LPR-MIT-R35	4DQ5	4	1	84	2.5	3.6	BF	HB	Cr	30615-51011
			2	84	2	3.6	T1	CR	Fe	30617-51011
			0	84	4	4.2	E-BC3	HB	Cr	
			1	84	2.5	3.6	BF-K2	HB	4Cr	30617-61011
			2	84	2	3.6	T1-IC	CR	Cr	
			0	84	4	4	E-BC3	CR	Cr	
LPR-MIT-R36	4D55T	4	1	91.1	2.5	3.25	BF-K2	SR	Cr	MD050390
			2	91.1	2	3.9	T1-IC	CR	Cr	
			0	91.1	4	3.9	E-BC3	CR	Cr	
LPR-MIT-R37	4D55	4	1	91.1	2.5	3.45	BF	SR	Cr	
			2	91.1	2	3.8	T1	CR	Cr	
			0	91.1	4	4.15	E-BC16	SR	GN	
LPR-MIT-R38	4DR5	4	1	92	2.5	3.7	BF-K2	HB	JF	31617-02012
			2	92	2	3.9	T1	CR	Fe	31617-02013
			3	92	2	3.9	T1	CR	Fe	31617-05102
			0	92	4.5	4.3	E-BC3	CR	JF	31617-05103
LPR-MIT-R39			1	92	2.5	3.45	BF-K2	SR	Cr	
			2	92	2	3.9	T1	CR	Fe	
			3	92	2	3.9	T1	CR	Fe	
			0	92	4.5	4.6	E-BC16	SR	GN	
LPR-MIT-R40	6DR5	6	1	92	2.5	3.7	BF-K2	HB	JF	31717-12012
			2	92	2	3.9	T1	CR	Fe	31717-12013
			3	92	2	3.9	T1	CR	Fe	
			0	92	4.5	4.3	E-BC3	CR	JF	
LPR-MIT-R41			1	92	2.5	3.45	BF-K2			
			2	92	2	3.9	T1			
			3	92	2	3.9	T1			
			0	92	4.5	4.6	E-BC16			
LPR-MIT-R42	4DR52T-1	4	1	92	2.35	3.45	BF-K1	SR	Cr	ME996069
			2	92	2	3.45	T1-IC	CR	Cr	
			0	92	4	4.35	E-BC16	SR	GN	

LPR-MIT-R43	S4E	4	1	94	2.5	4	BF-K2	HB	Cr	34417-11011
			2	94	2	4	T1	CR	Fe	
			0	94	4.5	4.45	E-BC3	HB	Cr	
LPR-MIT-R44	S4E	4	1	94	2.5	3.8	BF-K2	CR	4Cr	34417-02010
			2	94	2	3.8	T1-IC	CR	Cr	
			0	94	4.5	4.35	E-BC3	CR	Cr	
LPR-MIT-R45	6DS1	6	1	95	2.5	4.1	BF	CR	4Cr	30817-01006
			1	95	2	4.1	T1-IC	CR	Cr	ME020382
			3	95	2	4.1	T1	CR	Fe	ME021376
			0	95	4.5	4.2	E-BC3	CR	Cr	
LPR-MIT-R46	6DS3	6	1	95	3	3.9	BF-K2	HB	Cr	ME021855
			2	95	2	4.1	T1-IC	CR	Cr	ME023327
			0	95	4.5	4.2	E-BC3	CR	Cr	ME023327-02
LPR-MIT-R47	4DR7	4	1	95	2.35	3.7	BF-K1	HB	Cr	ME997256
			2	95	2	3.9	T1-IC	CR	Cr	
			0	95	4	4.35	E-BC16	SR	Cr	
LPR-MIT-R48	4M40-NA	4	1	95	2.35	3.45	BF-K1	SR	Cr	ME202342
			2	95	2	3.7	T1-IC	HB	Cr	
			0	95	4	4.15	E-BC16	SR	Cr	
LPR-MIT-R49	4M40	4	1	95	2.306	3.45	BF-K1	SR	Cr	ME201522
			2	95	2	3.9	T1-IC	CR	Cr	
			0	95	4	4.35	E-BC16	SR	GN	
			1	95	2.306	3.5	BF-K1	SR	GN	ME202380
			2	95	2	3.9	T1-IC	CR	Cr	
			0	95	4	4.35	E-BC16	SR	GN	
LPR-MIT-R51	4M40-TC	4	1	95	2.306	3.45	BF-K1	SR	Cr	ME202148
			2	95	2	4.1	T1-IC	CR	Cr	
			0	95	3	3.25	E-BC16	SR	GN	
LPR-MIT-R52	6DS7	6	1	98	3	4	BF-K2	HB	Cr	ME023333
			2	98	2	4.2	T1-IC	CR	Cr	ME023333-02
			0	98	5	4.8	E-BC3	CR	Cr	ME021861
										ME024409
LPR-MIT-R53	6DS5	6	1	98	3	4.2	BF	CR	4Cr	30817-31000
			2	98	2	4.2	T1-IC	CR	Cr	ME020427
			3	98	2	4.2	T1	CR	Fe	ME021382
			0	98	5	4.8	E-BC3	CR	Cr	ME024409
LPR-MIT-R54	4D30	4	1	100	3	4	CRI-BF-K2	HB	Cr	ME012010
			2	100	2	4.2	T1-IC	CR	Cr	ME012070
			0	100	5	4.8	E-BC16	HB	Cr	
LPR-MIT-R55		4	1	100	3	3.65	BF-K2	SR	Cr	
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	5	4.95	E-BC16	SR	GN	

LPR-MIT-R56	4D31T	4	1	100	3	4	CRI-BF-K2	HB	Cr	ME997398
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4	4.15	E-BC16	SR	Cr	
LPR-MIT-R57			1	100	3	3.65	BF-K2	SR	Cr	
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4	4.35	E-BC16	SR	GN	
LPR-MIT-R58	6D31T	6	1	100	3	4	CRI-BF-K2	HB	Cr	ME999783
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4	4.15	E-BC16	SR	Cr	
LPR-MIT-R59			1	100	3	3.65	BF-K2	SR	Cr	
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4	4.35	E-BC16	SR	GN	
LPR-MIT-R60	6D31	6	1	100	3	4	BF-K2	HB	Cr	
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4	4.8	E-BC3	CR	Cr	
LPR-MIT-R61	S6KT	6	1	102	3	4.05	BF-K2	SR	Cr	
			2	102	2	4	T1-IC	CR	Cr	
			0	102	4	4.15	E-BC16	SR	GN	
LPR-MIT-R62	4D34T	4	1	104	2.806	4.1	BF-K1	HB	Cr	ME997240
			2	104	2	4.2	T1-IC	CR	Cr	
			0	104	4	4.15	E-BC16	SR	Cr	
LPR-MIT-R63			1	104	2.806	3.85	BF-K1	SR	Cr	
			2	104	2	4.2	T1-IC	CR	Cr	
			0	104	4	4.4	E-BC16	SR	GN	
LPR-MIT-R64	4D32	4	1	104	3	4.1	BF-K2	HB	4Cr	ME997318
			2	104	2	4.2	T1-IC	CR	Cr	
			0	104	4	4.15	E-BC16	SR	Cr	
LPR-MIT-R65			1	104	3	3.65	BF-K2	SR	Cr	ME997318
			2	104	2	4.2	T1-IC	CR	Cr	
			0	104	4	4.4	E-BC16	SR	GN	
LPR-MIT-R66	6D10	6	1	105	3	4.2	BF-K2	HB	Cr	ME032190
	6D11		2	105	2	4.4	T1-IC	CR	Cr	ME032190-01
			0	105	5	3.4	E-BC3	CR	Cr	ME032326
LPR-MIT-R67	4D33	4	1	108	3	4.3	BF	HB	Cr	ME996378
			2	108	2	4.4	T1-IC	CR	Cr	
			0	108	4	4.1	E-BC16	SR	Cr	
LPR-MIT-R68		4	1	108	3	4.05	BF	SR	Cr	
			2	108	2	4.4	T1-IC	CR	Cr	
			0	108	4	4.4	E-BC16	SR	GN	
LPR-MIT-	4D35	4	1	110	3	4.05	BF	SR	Cr	ME996628
			2	110	2.5	4.4	T1-IC	CR	Cr	

R69			0	110	4	4.35	E-BC16	SR	GN	
LPR-MIT-R70	6D14	6	1	110	3	4.3	BF-K2	HB	Cr	ME032071
			2	110	2.5	4.4	T1-IC	CR	Cr	ME032260
			0	110	5	5	E-C1	CR	Cr	ME032404
										ME032458
LPR-MIT-R71	6D14	6	1	110	3	4.05	BF-K2	SR	Cr	
			2	110	2.5	4.4	T1-IC	CR	Cr	
			0	110	5	4.95	E-BC16	SR	Cr	
LPR-MIT-R72	6D14	6	1	110	3	4.3	BF	HB	Cr	
			2	110	2.5	4.4	T1-IC	CR	Cr	ME999952
			0	110	4	4.15	E-BC16	SR	Cr	
LPR-MIT-R73	6D14	6	1	110	3	4.05	BF	SR	Cr	
			2	110	2.5	4.4	T1-IC	CR	Cr	
			0	110	4	4.35	E-BC16	SR	GN	
LPR-MIT-R74	6D14	6	1	110	3	4.3	BF-K2	HB	Cr	
			2	110	2.5	4.4	T1-IC	CR	Cr	
			0	110	5	4.9	E-BC16	CR	Cr	
LPR-MIT-R75	6D14T	6	1	110	2.806	4.05	BF-K1	SR	Cr	
			2	110	2.5	4	T1-IC	CR	Cr	ME997465
			0	110	4	4.35	E-BC16	SR	GN	
LPR-MIT-R76	6DB	6	1	110	3.5	4.3	BF	HB	4Cr	30017-71002
			2	110	2.5	4.7	T1-IC	CR	Cr	30017-71003(555)
			3	110	2.5	4.7	B1-UC	CR	Fe	30017-75002
			0	110	5	4.7	E-C1	CR	Cr	30017-75003
LPR-MIT-R77	8DB	8	1	110	3.5	4.3	BF	HB	4Cr	
			2	110	2.5	4.7	T1-IC	CR	Cr	30017-11000
			3	110	2.5	4.7	B1-UC	CR	Fe	
			0	110	3	4.7	E-C1	CR	Cr	
LPR-MIT-R78	6D15	6	1	113	3	4.3	BF-K2	HB	Cr	
			2	113	2.5	4.4	T1-IC	CR	Cr	
			0	113	5	4.9	E-BC16	HB	Cr	
			1	113	3	4.05	BF-K2	SR	Cr	ME032403
			2	113	2.5	4.4	T1-IC	CR	Cr	
			0	113	5	4.95	E-BC16	SR	Cr	
LPR-MIT-R79	6D15T	6	1	113	2.806	4.05	BF-K1	SR	Cr	ME997466
			2	113	2.5	4.4	T1-IC	CR	Cr	ME999929
			0	113	4	4.35	E-BC16	SR	GN	ME999954
LPR-MIT-R80			1	118	3	4.6	BF	HB	Cr	
			2	118	2.5	4.6	T1-IC	CR	Cr	ME999540
			0	118	4	4.2	E-BC3	HB	Cr	
LPR-MIT			1	118	3	4.25	BF	SR	Cr	
			2	118	2.5	4.6	T1-IC	CR	Cr	

LPR-MIT-R81	6D16	6					E-BC3			ME999955
			0	118	4	4.4	E-BC16	SR	GN	
LPR-MIT-R82			1	118	3	4.6	BF	HB	Cr	
			2	118	2.5	4.6	T1-IC	CR	Cr	
			0	118	4	4.8	E-BC16	SR	Cr	
LPR-MIT-R83			1	118	3	4.25	BF	SR	Cr	
	6D16T	6	2	118	2.5	4.6	T1-IC	CR	Cr	ME996229
			0	118	4	4.4	E-BC16	SR	GN	
LPR-MIT-R84			1	118	3	4.6	BF	HB	Cr	
			2	118	2.5	4.6	T1-IC	CR	Cr	
			0	118	4	4.15	E-BC16	SR	Cr	
LPR-MIT-R85			1	118	2.806	4.6	BF-K1	HB	Cr	ME997467
	6D16T	6	2	118	2.5	4.6	T1-IC	HB	Cr	
			0	118	4	4.8	E-BC16	SR	Cr	
LPR-MIT-R86	6D16T	6	1	118	2.806	4.05	BF-K1	SR	Cr	
			2	118	2.5	4.6	T1-IC	CR	Cr	
			0	118	4	4.4	E-BC16	SR	GN	
LPR-MIT-R87	6D16T	6	1	118	2.806	4.6	BF-K1	HB	Cr	ME999549
			2	118	2.5	4.6	T1-IC	CR	Cr	
			0	118	4	4.2	E-BC16	HB	Cr	
LPR-MIT-R88	6D16T	6	1	118	2.806	4.6	BF-K1	HB	Cr	ME999956
			2	118	2.5	4.6	T1-IC	CR	Cr	
			0	118	4	4.8	E-BC16	SR	Cr	
LPR-MIT-R89	6D16T	6	1	118	2.806	4.1	BF-K1	SR	Cr	
			2	118	2.5	4.6	T1-IC	HB	Cr	
			0	118	4	4.8	E-BC16	SR	Cr	
LPR-MIT-R90	D2700	1	1	118	3	4.6	BF	HB	Cr	MM3343801
			2	118	2.5	4.6	T1-IC	CR	Cr	
			0	118	4	4.8	E-BC16	SR	Cr	
LPR-MIT-R91			1	118	3	4.6	BF	HB	Cr	MM332391 MM334038
			2	118	2.5	4.6	T1-IC	CR	Cr	
	6M61	6	0	118	4	4.2	E-BC3	HB	Cr	ME995562 MM9955608(cyl)
LPR-MIT-R92			1	118	3	4.1	BF	SR	Cr	
			2	118	2	4.3	T1-IC	SR	GN	
	6M60T	6	0	118	4	4.35	E-BC16	SR	GN	ME99563 ME9955619cyl0
LPR-MIT-R93			1	118	2.806	4.15	BF-K1	SR	PVD	
			2	118	2.5	4.6	T1-IC	HB	Cr	
	6D16TL	6	0	118	4	4.35	E-BC16	SR	GN	ME995535 ME995536(cyl)
LPR-MIT-R94			1	118	2.806	4.15	BF-K1	SR	PVD	
			2	118	2.5	4.6	T1-IC	HB	Cr	
LPR-	6W61	6	0	118	4	4.15	E-BC16	SR	Cr	ME993687
			1	118	2.5	3.95	BF	SR	PVD	

MIT-R95	CNG		2	118	2	4.3	TUC	HB	Cr	ME9936688(cyl)
			0	118	4	4.35	E-BC16	SR	GN	
LPR-MIT-R96	6D16TL	6	1	118	2.806	4.15	BF-K1	SR	PVD	ME993728
			2	118	2.5	4.6	T1-IC	HB	Cr	ME993729(cyl)
			0	118	4	4.8	E-BC16	SR	Cr	
LPR-MIT-R97	6D20	6	1	125	4	5	BF-K3	HB	Cr	30917-01012
			2	125	3	5.3	T1-IC	CR	Cr	30917-0210
			0	125	6	3.8	E-BC3	CR	Cr	
		1	125	3.306	5.4	BF-K1	HB	Cr	ME052145	
		2	125	3	5.3	T1-IC	CR	Cr		
		0	125	6	5.5	E-BC3	CR	Cr		
LPR-MIT-R99			1	125	3	5.2	BF	HB	Cr	ME052260
			2	125	3	5.3	T1-IC	CR	Cr	
			0	125	6	5.5	E-BC3	CR	Cr	
LPR-MIT-R100	6DC2	V-6	1	130	4	5	BF-K2	HB	Cr	31117-00009
			2	130	3	5.3	T1-IC	CR	Cr	31117-02010
			0	130	6	5.3	E-BC3	CR	Cr	31117-70010
										ME062117
LPR-MIT-R101	8DC2	V-8	1	130	4	5	BF	HB		31217-02010
	8DC4		2	130	3	5.3	T1-IC	CR	Cr	ME062109
	8DC7		0	130	6	5.5	E-BC16	CR	CF	
LPR-MIT-R102	8DC2		1	130	3.306	5.4	BF-K1	HB	Cr	ME062298
	8DC4		2	130	3	5.3	T1-IC	CR	Cr	
	8DC7(NEW)		0	130	6	5.5	E-BC16	CR	Cr	
LPR-MIT-R103	6D22	6	1	130	3.306	5.4	BF-K1	HB	Cr	30917-20010
	6D22T		2	130	3	5.3	T1-IC	CR	Cr	ME052124
			0	130	6	5.5	E-BC16	CR	Cr	ME052787
LPR-MIT-R104	6D22	6	1	130	3	5.2	BF	HB	4Cr	ME052758
			2	130	3	5.3	T1-IC	CR	Cr	
			0	130	6	5.5	E-BC16	CR	Cr	
LPR-MIT-R105	6D24	6	1	130	3.306	4.55	BF-K1	SR	Cr	ME151190 The great
			2	130	3	5.3	T1-IC	HB	4Cr	
			0	130	4	4.15	E-BC16	SR	Cr	
LPR-MIT-R106			1	130	3	4.55	BF	SR	4Cr	ME996391
			2	130	3	5.3	T1-IC	HB	4Cr	
			0	130	4	4.15	E-BC16	SR	Cr	
LPR-MIT-R107	6D24T	6	1	130	3.306	4.55	BF-K1	SR	PVD	ME995636/CYL
			2	130	2.5	4.7	T1-IC	SR	GN	
			0	130	4	4.35	E-BC16	SR	GN	
LPR-	6D22		1	130	3.306	4.55	BF	SR	Cr	ME052889

MIT-R108	6D22T2	6	2	130	3	5.3	T1-IC	HB	4Cr	ME995467
			0	130	4	4.45	E-BC16	SR	Cr	
LPR-MIT-R109	6D22	6	1	130	3	5.2	BF-K1	HB	4Cr	ME052966
			2	130	3	5.3	T1-IC	HB	4Cr	ME999136(CYL)
			0	130	4	4.77	E-BC16	SR	Cr	
LPR-MIT-R110	6D22T2	6	1	130	3.306	4.55	BF	SR	Cr	ME350961
			2	130	3	5.3	T1-IC	HB	4Cr	ME993736
			0	130	4	4.77	E-BC16	SR	Cr	ME996142
										ME996540
										ME996544(cyl)
LPR-MIT-R111	6D22	6	1	130	3	4.55	BF	SR	4Cr	ME995473
			2	130	3	5.3	T1-IC	HB	4Cr	ME995465(cyl)
			0	130	4	4.77	E-BC16	SR	Cr	
LPR-MIT-R112		6	1	130	3.306	4.55	BF-K1	SR	Cr	ME995477
			2	130	3	5.3	T1-IC	HB	4Cr	ME995466(CYL)
			0	130	6	5.55	E-BC16	CR	Cr	
LPR-MIT-R113		6	1	130	3.306	5.4	CR-BF-K1	HB	Cr	ME995469
			2	130	3	5.3	T1-IC	HB	4Cr	ME995468(cyl)
			0	130	6	5.55	E-BC16	CR	Cr	
LPR-MIT-R114	6D24	6	1	130	2.5	4.55	BF	SR	PVD	ME993734(cyl)
	CNG		2	130	2.5	5.3	TUC	HB	4Cr	
			0	130	4	4.35	E-BC16	SR	GN	
LPR-MIT-R115	8DC6	V-8	1	135	4	5	BF-K2	HB	Cr	31217-60012
	8DC8		2	135	3	5.7	T1-IC	CR	Cr	ME062086
			0	135	6	5.5	E-BC3	CR	Cr	
LPR-MIT-R116	8DC6	V-8	1	135	3.306	5.4	BF-K1	HB	Cr	ME062022
	8DC81(NEW)		2	135	3	5.5	T1-IC	CR	Cr	ME062246
			0	135	6	5.5	E-BC3	CR	Cr	
LPR-MIT-R117	8DC91	V-8	1	135	3.306	5.4	BF-K1	HB	Cr	ME062018
	8DC9T		2	135	3	5.5	T1-IC	CR	Cr	ME062230
			3	135	3	5.5	B1-UC	CR	Cr	
			0	135	6	5.5	E-BC3	CR	Cr	
LPR-MIT-R118		V-8	1	135	3.306	4.75	BF-K1	SR	Cr	
			2	135	3	5.5	T1-IC	CR	Cr	
			3	135	3	5.5	B1-UC	CR	Cr	
			0	135	6	5.5	E-BC3	CR	Cr	
LPR-MIT-R119	6D40	6	1	135	3.306	4.75	BF-K1	SR	Cr	ME121332
			2	135	3	5.4	T1-IC	HB	Cr	ME996132/(cyl)
			0	135	4	4.77	E-BC16	SR	Cr	
LPR-			1	135	3.306	5.4	BF-K1	HB	Cr	

MIT-R120	6D40-T	6	2	135	3	5.4	T1-IC	HB	Cr	ME120536
			0	135	4	4.77	E-BC16	SR	Cr	
LPR-MIT-R121			1	135	3.306	4.75	BF-K1	SR	Cr	
			2	135	3	5.5	T1-IC	CR	Cr	
			0	135	4	4.35	E-BC16	SR	GN	
LPR-MIT-R122	8DC9T	V-8	1	135	3.306	5.4	BF-K1	HB	Cr	ME090758
			2	135	3	5.5	T1-IC	CR	Cr	
			3	135	3	5.5	B1-UC	CR	Cr	
			0	135	4	4.77	E-BC16	SR	Cr	
			1	135	3.306	4.75	BF-K1	SR	Cr	
LPR-MIT-R123			2	135	3	5.5	T1-IC	CR	Cr	
			3	135	3	5.5	B1-UC	CR	Cr	
			0	135	4	4.35	E-BC16	SR	GN	
LPR-MIT-R124	6SB1	-1	1	135	4	5	BF-K2	HB	Cr	36217-107010
			2	135	3	5.5	T1-IC	CR	Cr	36217-11010/1cyl
			0	135	6	5.5	E-BC3	CR	Cr	
LPR-MIT-R125	6M70	6	1	135	3.306	4.75	BF-K1	SR	Cr	ME995857
			2	135	2.5	4.7	T1-IB	SR	GN	ME995855/cyl
			0	135	4	4.35	E-BC16	SR	GN	
LPR-MIT-R126	8DC10	8	1	138	3.306	5.5	BF-K1	HB	Cr	ME065717
			2	138	3	5.5	T1-IC	CR	Cr	
			3	138	3	5.5	B1-TUC	CR	Cr	
			0	138	6	5.5	E-BC16	CR	Cr	
LPR-MIT-R127			1	138	3.306	5.5	BF-K1	CR	Cr	ME090582
			2	138	3	5.5	T1-IC	CR	Cr	
			3	138	3	5.5	B1-TUC	CR	Cr	
			0	138	4	5.3	E-BC16	SR	GN	
LPR-MIT-R128	8DC11	8	1	142	3.306	5.6	BF-K1	HB	Cr	30617-50111
			2	142	3	5.7	T1-IC	CR	Cr	ME090586
			3	142	3	5.7	B1-TUC	CR	Cr	
			0	142	4	4.15	E-BC16	SR	Cr	
LPR-MIT-R129	S6A	-1	1	145	4.4	5.9	BF-K2	HB	4Cr	
			2	145	2.92	5.9	T1-K2	CR	Cr	
			0	145	6	5.3	E-BC3	HB	Cr	
LPR-MIT-R130	8M20	8	1	146	3.306	5.6	BF-K1	HB	Cr	
			2	146	3	5.7	T1-IC	CR	Cr	
			3	146	3	5.7	B1-TUC	HB	Cr	
			0	146	4	4.65	E-BC16	SR	Cr	
LPR-MIT-R131	S6A2	-1	1	150	4.4	6	BF-K2	HB	4Cr	32517-17010
			2	150	2.92	6	T1-K2	CR	Cr	
			0	150	6	5.3	E-BC3	HB	Cr	

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LPR-NIS-R01	EJIKK	4	1	71	1.2	2.45	BF	SR	Cr	12033-AX001
			2	71	1.2	2.7	T1	CR	Fe	
			0	71	2	2.2	NIFH	SR	Cr	
LPR-NIS-R02	CG	4	1	71	1.2	2.45	BF	SR	Cr	12033-41B01
			2	71	1.5	3.1	T1	CR	Fe	
			0	71	3	2.85	NIFS	SR	Cr	
LPR-NIS-R03	MA12	4	1	71	1.5	2.55	BF	SR	Cr	12033-05B10
			2	71	1.5	3.25	T1	CR	Fe	12033-05B11
			0	71	2.8	2.8	NIFS	SR	GN	
LPR-NIS-R04	CG13	4	1	72	1.2	2.65	BF	SR	Cr	12033-2U800
			2	72	1.2	3.1	T1	CR	Fe	
			0	72	2.5	2.55	NIFS	SR	Cr	
LPR-NIS-R05			1	72	1.2	2.65	BF	SR	Cr	12035AN201
			2	72	1.2	3.1	T1	CR	Fe	12035-AN202
			0	72	2.5	2.55	NIFS	SR	Cr	
LPR-NIS-R06	C	4	1	73	2	3	T1	CR	Cr	12033-A6200
	E		2	73	2	3	T1	CR	Fe	12033-H6200
	J		0	73	4	3.05	NIFS	SR	Cr	12033-B3040
LPR-NIS-R07	E10	4	1	73	1.5	3	BF	HB	Cr	12033-41M01
			2	73	1.5	3	ES-TUC	CR	Fe	12033-41M02
			0	73	4	3.05	NIFS	SR	Cr	
LPR-NIS-R08	GA14	4	1	73.6	1.5	2.7	BF	SR	GN	12033-87A10
			2	73.6	1.5	3.1	T1	CR	Cr	12033-87A11
			0	73.6	2.8	2.8	NIFS	SR	GN	
LPR-NIS-R09	A12A	4	1	75	2	3.2	T1	HB	Cr	12033-H8500
			2	75	2	3.2	T1	CR	Fe	
			0	75	4	3	NIFS	SR	Cr	
LPR-NIS-R10			1	76	2	2.85	BF	SR	Cr	
			2	76	2	3.4	T1	CR	Fe	
			0	76	4	3.3	NIFS	SR	Cr	
LPR-NIS-R11	E16E	4	1	76	1.5	2.7	BF	SR	GN	12033-79Y00
			2	76	1.5	3.2	T1	CR	Cr	
			0	76	4	3.1	NIFS	CR	Cr	
LPR-NIS-R12	J15 J16	4	1	77.95	2	3.3	T1	HB	Cr	12033-01W60
			2	77.95	2	3.7	T1	CR	Fe	12033-01W61
			0	77.95	4	3	NIFS	SR	Cr	12033-01W62
										12033-B3030
										12033Bb8200
LPR-			1	77.95	2	3.6	T1	CR	Cr	12033-73401

NIS-R13	L20A	6	2	77.95	2.5	3.7	T1	CR	Fe	12033-73402
			0	77.95	4	3	NIFS	SR	Cr	
LPR-NIS-R14	CA16	4	1	77.95	1.5	2.9	BF-IB	SR	SN	12033-55M00
	CA16DE		2	77.95	1.5	3.4	T1	CR	SN	
			0	77.95	2.8	3	NIFS	SR	Cr	
LPR-NIS-R15	QG18DE	4	1	80	1.5	2.87	BF	SR	Cr	12033-WD310
			2	80	1.5	3.4	T1	CR	Cr	
			0	80	2.8	2.85	NIFS	SR	Cr	
LPR-NIS-R16			1	80	1.2	2.85	BF	SR	Cr	12033-AV300
			2	80	1.2	3.4	T1	CR	Fe	
			0	80	2.5	2.6	NIFS	SR	Cr	
LPR-NIS-R17	J18	4	1	80.5	1.5	3.25	BF	SR	Cr	12003-N7900
			2	80.5	2	3.7	T1	CR	Fe	
			0	80.5	4	3.3	NIFS	SR	Cr	
LPR-NIS-R18	G8	6	1	82	2	4	BF	CR	4Cr	12033-A0201
			2	82	2	4.1	T1	CR	Fe	A2033-A2010(cyl)
			0	82	4	3.8	NIFS	SR	Cr	
LPR-NIS-R19	SR18	4	1	82.5	1.5	2.9	BF-IB	SR	GN	12033-0E101
			2	82.5	1.5	3.5	T1	CR	Cr	
			0	82.5	3	2.85	NIFS	SR	GN	
LPR-NIS-R20	L13	4	1	83	2	3.6	T1	CR	Cr	12033-06000
	L14		2	83	2	3.8	T1	CR	Fe	12033-21000
	L16		0	83	4	3.75	NIFS	SR	Cr	12033-23000
LPR-NIS-R21	CA18E	4	1	83	1.5	2.9	BF	SR	SN	12033-01E00
	CA18S		2	83	1.5	3.6	T1	CR	Cr	12033-01E10
			0	83	4	3.05	NIFS	SR	Cr	12033-01F00
LPR-NIS-R22	SR18	4	1	82.5	1.5	2.9	BF-IB	SR	GN	12033-0E101
			2	82.5	1.5	3.5	T1	CR	Cr	
			0	82.5	3	2.85	NIFS	SR	GN	
LPR-NIS-R23	L13	4	1	83	2	3.6	T1	CR	Cr	12033-06000
	L14		2	83	2	3.8	T1	CR	Fe	12033-21000
	L16		0	83	4	3.75	NIFS	SR	Cr	12033-23000
LPR-NIS-R24	CA18E	4	1	83	1.5	2.9	BF	SR	SN	12033-01E00
	CA18S		2	83	1.5	3.6	T1	CR	Cr	12033-01E10
			0	83	4	3.05	NIFS	SR	Cr	12033-01F00
LPR-NIS-R25	CA20	4	1	84.5	1.5	3.45	BF	SR	Cr	12033-D1700
			2	84.5	1.5	3.9	T1	CR	Cr	12033-D2000
			0	84.5	4	3.2	NIFS	SR	Cr	

LPR-NIS-R26	CA20E	4	1	84.5	1.5	3.1	BF	SR	GN	12033-61E10
			2	84.5	1.5	3.7	T1	CR	Cr	
			0	84.5	2.8	2.85	NIFS	SR	GN	
LPR-NIS-R27	G4	4	1	85	2	4.2	T1	CR	4Cr	12033-78520
	G16		2	85	2	4.2	T1	CR	Fe	12033-78521
			0	85	4	3.3	NIFS	SR	Cr	12033-A8701
										12033-A8702
LPR-NIS-R28	Z20	4	1	86	1.5	2.9	BF-IB	SR	SN	12033-82W01
			2	86	1.5	3.7	T1	CR	SN	
			0	86	4	3.2	NIFS	SR	Cr	
LPR-NIS-R29	WD21	4	1	86	1.5	3.1	BF-IB	SR	GN	12033-3T600
			2	86	1.5	3.65	T1	CR	Cr	
			0	86	4	2.9	NIFS	SR	GN	
LPR-NIS-R30	SR20	4	1	86	1.5	3.1	BF	SR	Cr	12033-60J20
	SSR20D		2	86	1.5	3.65	T1	CR	Cr	12033-60J22
			0	86	3	3	NIFS	SR	Cr	12033-60J62
LPR-NIS-R31			1	86	1.2	3.1	T1	SR	GN	12033-3J610
			2	86	1.2	3.7	T1	CR	Cr	
			0	86	2.5	2.85	NIFS	SR	GN	
LPR-NIS-R32	H20	4	1	87.2	2	4.1	T1	CR	Cr	12033-14601
			2	87.2	2.5	4.1	T1	CR	Fe	12033-R9023
			0	87.2	4	3.85	NIFS	SR	Cr	12033-Y4460
LPR-NIS-R33	Z24	4	1	89	1.5	3.3	BF	SR	SN	12033-10W00
			2	89	1.5	3.9	T1	CR	Cr	12033-30W10
			0	89	4	3.25	NIFS	SR	Cr	
LPR-NIS-R34	CD17	4	1	80	1.75	3.3	BF-IB	HB	SN	12033-16A00
2			80	2	3.3	T1-IC	CR	SN		
0			80	3	3.8	E-BC3	CR	Cr		
LPR-NIS-R35			1	80	1.75	2.85	BF-IB	SR	Cr	
2			80	2	3.3	T1-IC	CR	Cr		
0	80	3	3.25	E-BC3	SR	GN				
LPR-NIS-R36	LD28	6	1	84.5	2	3.3	BF-IB	HB	Cr	12033-V0700
			2	84.5	2	3.5	T1-IC	CR	Fe	
			0	84.5	4	4.1	E-BC16	CR	Cr	
LPR-NIS-R37	CD20	4	1	84.5	2	3.1	BF-IB	SR	GN	12033-57J00
			2	84.5	2	3.35	T1-IC	CR	Cr	
			0	84.5	3	3.25	E-BC16	SR	GN	

LPR-NIS-R38	LD20	4	1	85	2	3.5	BF-IB	HB	Cr	12033-W1700
			2	85	2	3.5	T1-IC	CR	Fe	
			0	85	4	4.1	E-BC3	CR	Cr	
LPR-NIS-R39			1	85	2	3.05	BF-IB	SR	Cr	
			2	85	2	3.5	T1-IC	CR	Fe	
			0	85	4	4.1	E-BC3	CR	Cr	
LPR-NIS-R40	LD23	4	1	87	2	3.5	BF-IB	HB	Cr	12033-9C625
			2	87	2	3.4	TUC	CR	Cr	
			0	87	3	3.3	E-BC16	CR	Cr	
LPR-NIS-R41	TD35-2	4	1	92.9	2.5	3.15	BF	SR	Cr	12033-5T116
			2	92.9	2	4	T1-IC	CR	Cr	
			0	92.9	3	3.25	E-BC16	SR	GN	
LPR-NIS-R42	TD27T	4	1	96	2.5	3.5	BF-K2	SR	GN	12033-37N10
			2	96	2	4	T1-IC	CR	Cr	
			0	96	4	4.35	E-BC16	SR	GN	
LPR-NIS-R43	BD30	4	1	96	2.5	3.65	BF	SR	Cr	12033-54T10
			2	96	2	4	T1-IC	CR	Cr	
			0	96	4	4.35	E-BC16	SR	GN	
LPR-NIS-R44	ZD30E	4	1	96	2.5	3.5	BF-K2	SR	GN	12033-2W211
	ZD30ET		2	96	2	4	T1-IC	CR	Cr	12033-0W814
	BD30T		0	96	3	3.25	E-BC16	SR	GN	12033-NA010
LPR-NIS-R45	TD42T	6	1	96	2.5	3.5	BF-K2	SR	GN	12033-DY712
			2	96	2	4	T1-IC	CR	Cr	
			0	96	3	3.25	E-BC16	SR	GN	
LPR-NIS-R46	SD20	4	1	83	2.5	3.5	BF	CR	4Cr	12033-37500
			2	83	2	3.4	T1	CR	Cr	12033-76201
			3	83	2	3.4	T1	CR	Cr	12033-76202
			O1	83	4.5	3.9	E-BC3	CR	Cr	12033-76203
			O2	83	4.5	3.4	BC3	CR	Cr	12033-76204
LPR-NIS-R47	SD22	4	1	83	2.5	3.05	BF-K4	SR	Cr	12033-V1310
			2	83	2	3.4	T1-IC	CR	Cr	12033-Y1400
			3	83	2	3.4	B1-TUC	CR	Cr	12033-Y1401
			O1	83	4.5	3.9	E-BC3	CR	Cr	12033-Y1402
			O2	83	4.5	3.4	BC3	CR	Cr	12033-Y1403
										12033-Y1404
										12033-Y1410
										12033-Y3010
LPR-NIS-R47			1	83	2.5	3.5	BF	HB	Cr	12033-R8100
			2	83	2	3.4	T1-IC	HB	Cr	12033-R8103
			3	83	4.5	2.8	E-BC3	CR	Cr	12033-R8104
										12033-R8110

										12033-R8112
										12033-R8114
LPR-NIS-R48	SD33T	6	1	83	2.5	3.5	BF	HR	Cr	12033-C8704
			2	83	2	3.4	T1-IC	HR	Cr	
			0	83	4	2.8	E-BC3	CR	Cr	
LPR-NIS-R49	SD15	3	1	83	2.5	3.5	BF	HB	Cr	12033-Z7007
	SD16		2	83	2	3.4	T1-IC	HB	Cr	
			0	83	4.5	2.8	E-BC3	CR	Cr	
LPR-NIS-R50	SD33 SD33T	6	1	83	2.5	3.5	BF	CR	4Cr	12033-61500
			2	83	2	3.4	T1	CR	Cr	12033-61502
			3	83	2	3.4	T1	CR	Cr	12033-61503
			O1	83	4.5	3.9	E-BC3	CR	Cr	12033-J2200
			O2	83	4.5	3.4	BC3	CR	Cr	12033-J2201
										12033-J2202
										12033-J2204
LPR-NIS-R51	SD23	4	1	89	2.5	2.5	BF	HB	Cr	12033-L2000
	SD25		2	89	2	2	T1-IC	HB	Cr	12033-L2002
	(NEW0		0	89	4.5	4.5	E-BC3	CR	Cr	12033-L2003
										12033-L2004
LPR-NIS-R52	TD23	4	1	89	2.5	2.5	BF	HB	Cr	12033-02N00
			2	89	2	2	T1-IC	HB	Cr	12033-02N10
			0	89	4	4	E-BC16	SR	Cr	
LPR-NIS-R53	TD25	4	1	92.9	2.5	4	BF	HB	Cr	12033-44G10
			2	92.9	2	4	T1-IC	HB	Cr	
			0	92.9	4	4.15	E-BC16	SR	Cr	
LPR-NIS-R54		4	1	92.9	2.5	3.45	BF	SR	Cr	
			2	92.9	2	4	T1-IC	CR	Cr	
			0	92.9	4	4.35	E-BC16	SR	GN	
LPR-NIS-R55	TD2	4	1	96	2.5	4	BF	HB	Cr	12033-43G11
			2	96	2	4	T1-IC	HB	Cr	
			0	96	4	4.15	E-BC16	SR	Cr	
LPR-NIS-R56		4	1	96	2.5	3.65	BF	SR	Cr	
			2	96	2	4	T1-IC	CR	Cr	
			0	96	4	3.35	E-BC16	SR	GN	
LPR-NIS-R57		4	1	96	2.5	3.65	BF	SR	Cr	12033-6T010
			2	96	2	4	T1-IC	CR	Cr	
			0	96	3	3.25	E-BC16	SR	GN	
LPR-NIS-R58	TD42	6	1	96	2.5	4	BF	HB	Cr	12033-06J10 12033-06J11
	AD3		2	96	2	4	T1-IC	HB	Cr	
			0	96	4	4.15	E-BC16	SR	Cr	

LPR-NIS-R59			1	96	2.5	6.65	BF	SR	Cr	
			2	96	2	4	T1-IC	CR	Cr	
			0	96	4	3.35	E-BC16	SR	GN	
LPR-NIS-R60	ED30	4	1	98	3	4.2	BF	HB	Cr	12033-J2002
			2	98	2	4.3	T1-IC	CR	Cr	12033-J2004
			3	98	2	4.3	T1	CR	Cr	12033-J2006
			0	98	4.5	3	E-BC3	CR	Cr	97033-021139
LPR-NIS-R61	AD5	4	1	99.2	2.5	3.7	BF	SR	GN	
	QD32		2	99.2	2	4.1	T1-IC	CR	Cr	12033-2S610
			0	99.2	3	3.25	E-BC16	SR	GN	
LPR-NIS-R62	ED6	6	1	100	3	4.2	BF	HB	Cr	12404-Z5025
	FD6		2	100	2	4.2	T1-IC	CR	Cr	12040-Z5026
			3	100	2	4.2	T1	CR	Cr	12040-Z2027(ED)
			0	100	4.5	4.5	E-BC16	CR	Cr	12040-Z5001/1cyl
LPR-NIS-R63	FD6T	6	1	100	3	4.2	BF-K1	HB	Cr	12040-Z5525
			2	100	2	4.2	T1-IC	CR	Cr	12040-Z5526
			3	100	2	4.2	T1	CR	Cr	1240-Z5501/1cyl
			0	100	4.5	4.5	E-BC3	CR	Cr	
LPR-NIS-R64	FE6T	6	1	108	3	4.3	BF-K2	HB	Cr	12040Z5505
			2	108	2	4.5	T1-IC	CR	Cr	12040-Z5512
			0	108	4	4.15	E-BC16	SR	Cr	12040-Z5517
LPR-NIS-R65	FE6T	6	1	108	3	4.3	BF-K2	CR	Cr	
			2	108	2	4.5	T1-IC	CR	Cr	
			0	108	4	4.4	E-BC16	SR	GN	
LPR-NIS-R66	FE6	6	1	108	3	4.3	BF	HB	Cr	12040-Z5504 12040-Z5511
			2	108	2	4.5	T1-IC	CR	Cr	
			0	108	4	4.15	E-BC16	SR	Cr	
LPR-NIS-R67			1	108	3	4.05	BF	SR	Cr	
			2	108	2	4.5	T1-IC	CR	Cr	
			0	108	4	4.4	E-BC16	SR	GN	
LPR-NIS-R68	FE6TA	6	1	108	2.5	3.7	BF-K2	SR	GN	12040-Z5519
			2	108	2	4.5	T1-IC	CR	Cr	12040-Z5560
			0	108	4	4.4	E-BC16	SR	GN	12040-Z5561
										12040-Z5564
										12040-Z5603
LPR-NIS-R69	UD3	3	1	110	3	4.45	F12	HB	Fe	
			2	110	3	4.45	F12	HB	Fe	
			3	110	3	4.2	BO	CR	Fe	
			O1	110	3	4.2	BO	CR	Fe	12040-000008

LPR-NIS-R69			O2	110	4.8	4.8	E-BC3	CR	Fe	12040-Z5500
	UD4	4								
	UD5	5								
	UD6	6								
LPR-NIS-R70	FD6T	6	1	100	3	4.2	BF-K2	HB	Cr	12033-Z5527
			2	100	2	4.2	T1-IC	CR	Cr	12033-Z5502/1cyl
			3	100	2	4.2	T1	CR	Cr	
			0	100	4.5	4.5	E-BC3	CR	Cr	
LPR-NIS-R71	ED33	4	1	100	3	4.2	BF	HB	Cr	12033-J6500
			2	100	2	4.2	T1-IC	CR	Cr	12033-J6501
			0	100	4.5	4.5	E-BC3	CR	Cr	12033-T9000
										12033-Z5004/1cyl
LPR-NIS-R72	FD6T(NEW)	6	1	100	3	4.2	BF-K2	HB	Cr	12040-Z5528
			2	100	2	4.2	T1-IC	CR	Cr	12033-Z5504/1cyl
			0	100	4.5	4.5	E-BC3	CR	Cr	
LPR-NIS-R73	FD6	6	1	100	3	4.2	BF	HB	Cr	12040-Z5028
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4.5	4.5	E-BC3	CR	Cr	
LPR-NIS-R74	FD33T	4	1	100	3	4.2	BF-K2	HB	Cr	12033-T9307
			2	100	2	4.2	T1-IC	CR	Cr	
			0	100	4.5	4.5	E-BC3	CR	Cr	
LPR-NIS-R75	ED33(NEW0	4	1	100	2	4	BF	HB	Cr	12033-T9303
			2	100	2	4.2	T1-IC	CR	Cr	12033-T9306
			0	100	4	4.05	E-BC16	SR	Cr	12033-W4200
LPR-NIS-R76	FD35	4	1	102.5	2	3.9	BF	HB	Cr	12033-01T10
			2	102.5	2	4.2	T1-IC	CR	Cr	
			0	102.5	4	4.15	E-BC16	SR	Cr	
LPR-NIS-R77			1	102.5	2	3.65	BF	SR	Cr	
			2	102.5	2	4.2	T1-IC	CR	Cr	
			0	102.5	4	4.35	E-BC16	SR	GN	
LPR-NIS-R78	FD35T	4	1	102.5	3	4.2	BF-K2	HB	Cr	12033-01T60
			2	102.5	2	4.2	T1-IC	CR	Cr	
			0	102.5	4	4.35	E-BC16	SR	GN	
LPR-NIS-R79	ED35	4	1	102.5	3	3.65	BF	SR	Cr	12033-56T10
			2	102.5	2	4.2	T1-IC	CR	Cr	
			0	102.5	4	4.15	E-BC16	SR	Cr	
LPR-NIS-R80	FM6T	6	1	105.9	2.5	3.7	BF-K2	SR	GN	12040-Z5508
			2	105.9	2	4.5	T1-IC	CR	Cr	
			0	105.9	4	4.35	E-BC16	SR	GN	

LPR-NIS-R81	FD46	4	1	108	3	4.05	BF	SR	Cr	12033-0T010
			2	108	2	4.5	T1-IC	CR	Cr	
			0	108	4	4.4	E-BC16	SR	GN	
	UDV8	V-8								
	UD12	V-12								
LPR-NIS-R82	ND6	6	1	110	4	4.4	BF	CR	Cr	12040-95006
			2	110	3	4.4	T1	CR	Cr	12040-90127
			0	110	5	4.7	E-BC3	HB	Cr	12040-95004/1cyl
LPR-NIS-R83			1	110	4	4.4	BF	CR	Cr	12040-95025
			2	110	3	4.4	T1	CR	Cr	12040-95005/1cyl
			0	110	5	4.95	E-BC16	SR	GN	
LPR-NIS-R84	ND6T	6	1	110	4	4.4	BF-K1	HB	JF	12040-90326
			2	110	3	4.4	T1	CR	Cr	12040-95003/1cyl
			0	110	5	4.7	E-BC3	HB	Cr	
LPR-NIS-R86	NE6	6	1	110	3	4	BF-K2	HB	Cr	12040-95012
			2	110	2.5	4	T1-IC	HB	Cr	12040-95013
			0	110	4	4.2	E-BC3	HB	Cr	12040-95014
										12040-95029
LPR-NIS-R87			1	110	3	4.05	BF-K2	SR	Cr	
			2	110	2.5	4	T1-IC	CR	Cr	
			0	110	4	4.35	E-BC16	SR	GN	
LPR-NIS-R88	NS6TA	6	1	120	3	4.1	BF-K2	SR	GN	12040-95501
	NF6TA		2	120	2.5	4.8	T1-IC	CR	Cr	
			0	120	4	4.4	E-BC16	SR	GN	
LPR-NIS-R89	MD92TC1	6	1	125	2.5	4.35	BF-K2	SR	PVD	12040-Z6002
			2	125	2	4.3	T1-IC	SR	GN	
			0	125	3	3.1	E-BC16	SR	GN	
LPR-NIS-R90	PD6	6	1	125	5	5.2	BF	CR	Cr	12040-90026
			2	125	3.5	5.2	T1-IC	CR	Cr	12040-90029
			0	125	5	3.8	E-BC3	HB	Cr	12040-910125
										12040-96009
										12040-96026
										12040-69127
										12040-96226
										12040-96000/1cyl
										12040-96004/1cyl
LPR-NIS-R91			1	125	5	5.2	BF	CR	Cr	
			2	125	3.5	5.2	T1-IC	CR	Cr	
			0	125	5	4.95	E-BC16	SR	GN	
LPR-NIS-R92	PD6T	6	1	125	4	5.2	BF-K1	HB	Cr	12040-96125
			2	125	3.5	5.2	T1-IC	CR	Cr	12040-96129
			0	125	5	3.8	E-BC3	HB	Cr	12040-90228

LPR-NIS-R92										12000-96005/1cyl
										12040-96005/1cyl
										12040-96010/1cyl
LPR-NIS-R93			1	125	4	5.2	BF-K1		Cr	
			2	125	3.5	5.2	T1-IC	CR	Cr	
			0	125	5	4.95	E-BC16	SR	GN	
LPR-NIS-R94	PDT	6	1	125	4	5	BF-K2	HB	Cr	12040-96013
			2	125	3.5	5.2	T1-IC	CR	Cr	
			0	125	5	4.8	E-BC16	CR	Cr	
LPR-NIS-R95	PE6	6	1	133	4	5.3	BF-K1	HB	Cr	12040-90225
			2	133	3.5	5.5	T1-IC	CR	Cr	12040-90227
			0	133	6	5.7	E-BC3	HB	Cr	12040-960285
										12040-96128
										12040-96500/1cyl
										12040-96503/1cyl
LPR-NIS-R96	PE6T	6	1	133	4	5.3	BF-K2	HB	Cr	12040-96225
			2	133	3.5	5.5	T1-IC	CR	Cr	12040-96228
			0	133	6	5.7	E-BC3	HB	Cr	12040-96512
										12040-96504/1cyl
										12040-96509/1cyl
										12040-96510/1cyl
LPR-NIS-R97										12040-96513/1cyl
			1	133	3	5.2	BF-K2	HB	Cr	
			2	133	2.5	5.5	T1-IC	CR	Cr	
LPR-NIS-R98	PF6	6	0	133	4	4.15	E-BC16	SR	Cr	12040-96517
			1	133	2.5	4.7	BF-K2	SR	GN	12040-96566
			2	133	2.5	5.5	T1-IC	CR	Cr	12040-96570
LPR-NIS-R99	RD8	V-8	0	133	4	4.05	E-BC16	SR	Cr	12040-96564/1cyl
			1	135	4	5.1	BF	HB	Cr	12040-90325
			2	135	3	5.5	T1-IC	CR	Cr	12040-97008
			0	135	6	5.7	E-BC3	CR	Cr	12040-97025
										12040-97026
										12040-97028
										12040-97126
										12040-97176
										12040-97226
										12040-97228
LPR-NIS-R100	RD10	V-10								12040-97007/1cyl
			1	135	4	5.1	BF	HB	Cr	12040-97025
			2	135	3	5.5	T1-IC	CR	Cr	12040-97125
			0	135	6	5.7	E-BC3	CR	Cr	12040-97127
										12040-97227

										12040-90229
										12040-97007/1cyl
LPR-NIS-R101	RD8T	V-8	1	135	4	5.5	BF-K1	HB	Cr	12040-97128 12040-97008/1cyl
			2	135	3	5.5	T1-IC	CR	Cr	
			0	135	6	5.7	E-BC3	CR	Cr	
LPR-NIS-R102	RD10T	V-10	1	135	4	5.5	BF-K1	HB	Cr	12040-97129 12040-97008/1cyl
			2	135	3	5.5	T1-IC	CR	Cr	
			0	135	6	5.7	E-BC3	CR	Cr	
LPR-NIS-R103	RE8	V-8	1	135	3	5.1	BF	HB	Cr	12040-97074
			2	135	3	5.5	T1-IC	CR	Cr	
			0	135	5	4.95	E-BC16	SR	Cr	
LPR-NIS-R104	RE10	V-10	1	135	3	5.1	BF	HB	Cr	
			2	135	3	5.5	T1-IC	CR	Cr	
			0	135	5	4.95	E-BC16	SR	Cr	
LPR-NIS-R105	GE13TD	6	1	136	2.5	3.7	BF-K2	SR	GN	12040-00Z07
			2	136	2	3.7	T1-IC	HB	Cr	
			0	136	3	3	E-BC16	SR	GN	
LPR-NIS-R106	RF8	V-8	1	138	2.5	5.2	BF-IB	HB	Cr	12040-97072
			2	138	2.5	5.6	T1-IC	CR	Cr	
			0	138	4	4.65	E-BC16	SR	Cr	
LPR-NIS-R107	RF	V-10	1	138	2.5	4.9	BF	SR	GN	12040-97078
			2	138	2.5	5.6	T1-IC	CR	Cr	
			0	138	4	4.4	E-BC16	SR	GN	
LPR-NIS-R108	RG8	8	1	142	3	4.7	BF	SR	GN	12040-97107
			2	142	2.5	5.8	T1-IC	CR	Cr	
			0	142	4	4.35	E-BC16	SR	GN	
LPR-NIS-R109	RH8 RH10	-1	1	150	3	4.7	BF	SR	GN	12040-97106 12040-97105/1cyl
			2	150	2.5	5.6	T1-IC	CR	Cr	
			0	150	4	4.35	E-BC16	SR	GN	

OPEL

LPR-OPL-R01	1.6L/SE/ SZ/SV	6	1	79	1.2		CrI P		DCI	01108N01/N1/N2MAHLE 80 00207 40000(KS)
			2	79	1.5		P		ACI	
			0	79	3		CrI p		ACI	
LPR-OPL-R02	1.8E/NE/ NZ/NV	4	1	84.8	1.5		CrI P		DCI	01162 N2/N4(MAHLE)
			2	84.8	1.5		P		ACI	
			0	84.8	3		CrI p		ACI	
LPR-OPL-R03	OMEGA	4	1	86	1.5		CrI P		DCI	011 58 NO(MAHLE) 80 00212 40000(KS)
			2	86	1.5		P		ACI	
			0	86	3		CrI p		ACI	

PERKINS

LPR-NIS-R01	91.478		1	91.478	2.385		P	Aci	CH P	
			2	91.478	2.385		IF	Aci	P	
			3	91.478	2.376		IF	Aci	P	
			0	91.478	4.747		FX	Aci	CrI	
LPR-NIS-R02	4A.203DEng	4	1	91.491	2.37		R	Dci	CrI(mo)p	043 21 VO(MAHLE)
	S/N 2969036		2	91.491	2.4		IF	Aci	P	41158058(PERKINS)
	on For Late		3	91.491	3.15		NM	Aci	P	
	Piston	6	0	91.491	6.35		DSF	Aci	CrI	
	6.3305D Eng		0	91.491	6.35		S	Aci	P	
LPR-NIS-R03		4	1	91.48	2.38		R	Aci	CrI	68501(PERKINS)
			2	91.48	2.38		R	Aci	P	
			3	91.48	2.38			Steel	P	
		6	0	91.48	6.33			Steel	CrI	
			0	91.48	6.33		S	Aci	P	
LPR-NIS-R04	236,A4.236,	4	1	98.48	2.38		R	Dci	CrI p	043 48 NO(MAHLE)
	A6.4.236		2	98.48	2.38		IW	Aci	P	41158041(PERKINS)
	Diesel Eng		3	98.48	2.38		IW	Aci	P	
	6.354Eng		0	98.48	6.33		DSF	Aci	CrI	
		6	0	98.48	6.33		S	Aci	P	
LPR-NIS-R05		4	1	100	3.5		T-B	Dci	CrI(mo)	40436130(pc)
			2	100	2.5		NM	Aci		
			0	100	4		DSF	Aci	CrI	
LPR-NIS-R06		4	1	100	2.5		R-B	Dci	CrI(mo)	40433870(pc)
			2	100	2.5		IFU	Aci		
		6	0	100	4		DSF	Aci	CrI	
LPR-NIS-R07		4	1	100	3		T-B	Dci	CrI(mo)	40433880(pc)
			2	100	2.5		IFU	Aci		
		6	0	100	4		DSF	Aci	CrI	
LPR-NIS-R08		4	1	101.05	2.5			Dci	CrI(mo)	41185022(PERKINS)
			2	101.05	2.5			Aci		
			0	101.05	5			Aci	CrI	
LPR-NIS-R09	A4.248 Diesel	4	1	101.05	2.38			Aci	CrI	
	Eng.6.372		2	101.05	2.38			Aci	CrI	4181A009(PERKINS)
	Eng		3	101.05	2.38			Aci	CrI	043 30 NO(MAHLE)
			0	101.05	6.33			Aci	CrI	
LPR-NIS-R10	105	6	1	105	3.4			Dci	Cr1 p	41159015
			2	105	2.5			Aci	p	
			0	105	3.5			Aci	Cr2 p	
LPR-NIS-		6	1	137.17	3.17		T-B	Dci	CrI(mo)	4043385(PC)
			2	137.17	3.22		R-B	Dci	CrI	

R11			0	137.17	4.76		DSF	Aci	Crl	
LPR-NIS-R12	139.7	6	1	139.7	3.8	5.4	T-B-IW	Dci	Crl	
			2	139.7	3	5.85	T-M-IW	Dci	Crl	
			0	139.7	4	4.4	DSF	Aci	Crl	
LPR-NIS-R13	160	6	1	160	3.5	6.3	T-B	Dci	Crl	
			2	160	3.5	6.3	M	Dci	P	
			0	160	6	4.4	DSF	Aci	Crl p	

PEUGEOT

LPR-PET-R01	1969-75	4	1	76	1.75				Crl	021 78 VO(MAHLE)
	1288cc		2	76	2					40 42625(PC)
	Eng.304,304s		0	76	4					
LPR-PET-R02	1977-84	4	1	78	1.75			Dci	Crl	039 no(MAHLE)
	204gl,304l.ls		2	78	2			Aci		
	sls,305sr		0	78	4			Steel		40 42625(PC)
LPR-PET-R03	480/M232250	4	1	80	2			Dci	mo p	011 54 no(MAHLE)
	(Diesel		2	80	2			Aci	P	40 43218(PC)
			0	80	3			Aci	Crl	80 00224 40000(KS)
LPR-PET-R04	483/M270460	4	1	83	2			Dci	Crl	039 24 NO(MAHLE)
	(Diesel)		2	83	2			Aci		80 00037 40000(KS)
			0	83	3			Aci	Crl	40 43186(PC)
LPR-PET-R05	483A/M333230	4	1	83	1.75			Dci	Crl	039-76 no (MAHLE)
	(Gas)		2	83	1.75			Aci		80 00036 40000(KS)
			0	83	4			Steel		40 4318880(PC)
LPR-PET-R06	1960-70	4	1	84	2			Dci	Crl	
	1618cc		2	84	2			Aci		
	Eng.404,		0	84	4.5			Steel		039 29 vo(MAHLE)
	Berline Grand									
	Tourism									
LPR-PET-R07	486	4	1	86	2			Dci	mo p	
			2	86	2			Aci		M320520(PC)
			0	86	4			Aci	Crl	
LPR-PET-R08	1971-89	4	1	88	1.5			Dci	Crl	039 53 vo(MAHLE)
	1971CC		2	88	2			Aci		80 0003841000(KS)
	Eng-504,505		0	88	4			Steel		40 42742(PC)
LPR-PET-R09	404LD	4	1	88	2			Aci	Crl	
			2	88	2			Aci		40 42028(PC)M266080
			3	88	2			Aci		
			0	88	4.5			Steel		
LPR-	1969-77		1	90	2				Crl	
	2112cc		2	90	2					

PET-R10	Eng.XDP90	4	3	90	2					40 39094 0(pc)
	54PS,22,2;1		0	90	4.5					
	404,504.Diesel									
LPR-PET-R11	1978-81	4	1	94	2			Dci	CrI	40 430300(PC)
	2304ccEng		2	94	2			Dci	P	
	Diesel		0	94	4			Aci	CrI	
	504,505D									
	W/Oturbo							Dci		
LPR-PET-R12	494/MO55710	4	1	94	3			Dci	CrI mo	40 43125(pc)
			2	94	2			Aci	MO	
			0	94	4			Aci	CrI	
RENAULT/RVI										
LRP-RV-R01			1	70	1.75	3.05	B	Dci	CrI	
			2	70	2	3.1	M	Aci	P	
			0	70	3.5	3.5	SLF	Aci	CrI P	
LRP-RV-R02	1968-72	4	1	73	1.75		R-B	Dci	CrI	021 34 VO (MAHLE)
	1289CC		2	73	2		IF	Aci	P	
	Eng.LeCar,		0	73	4		SLF	Steel		
	R5R10,R12,R15									
	1300Series									
	1970Staffette									
	motor810									
	R810									
LRP-RV-R03	1983-87	4	1	76	1.75				CrI	021 78 VO(MAHLE0
	1397CC		2	76	2					80 00230 40000(KS)
	Eng.Alliance		0	76	4					40 425160(PC)
	LeCar R16									
LRP-RV-R04		4	1	78	1.75			Dci	CrI	
			2	78	2			Aci	P	
			0	78	3			Steel		
LRP-RV-R05	1983-ON	4	1	78	2		R-B	Dci	CrI	021 08 NO(MAHLE)
	1595CC		2	78	2		M	Aci	P	80 0023140000(KS)
	Eng-R9D		0	78	3		DSF	Aci	CrI	40 432160(PC)
	R11D									
LRP-RV-R06	R18/20/21/	4	1	86	2.5		T-B	Dci	MO	021 84 NO(MAHLE)
	25/30		2	86	2.5		N	Aci		80 0023540000(KS)
			0	86	4		DSF	Aci	CrI	40 431440(PC)
	1985-ON		1	88	1.75				CrI	2C4488(Hastings)
	R18,R20,		2	88	2					42994(PC)

LRP-RV-R07	Fuego.	4	0	88	4				Crl	
	Medallion									
LRP-RV-R08	M261440		1	102	3			Dci	Crl	59230NO(MAHLE)
			2	102	235			Aci	p	40 42925(PC)
			0	102	5			Aci	Crl	
LRP-RV-R09	M331310	8or6	1	135	3.5			Dci	Crl	40 431410U(PC)
			2	135	3			Aci	Crl	
			0	135	4			Aci	cr	
LRP-RV-R10	M357710	8or6	1	135	3.5			Dci	MO	40 43141(PC)
			2	135	3			Aci	Crl	
			0	135	4			Aci	Crl	
LRP-RV-R11	120		1	120	3.25	5		Dci	Crl	
			2	120	3	5		Aci	Crl	
			0	120	4	3.5		Aci	cr	

SAVIEM

LPR-SIM-R01	M197230	4	1	98	3				Crl	40-43091(pc)
			2	98	2.5					
			0	98	4				Crl	
LPR-SIM-R02	M313230	4	1	98	3				Crl	40-430910(PC)
			2	98	2.5					
			0	98	4.5				Crl	
LPR-SIM-R03	M229000	4	1	102	3		T-B	Dci	Crl	
			2	102	2.5		M	Aci	P	
			3	102	2.5		M	Aci	P	
			0	102	5		DSF	Aci	Crl	

SCANIA

LRP-SCA-R01	127		1	127	2.38	5.1	B	Aci	MO	
			2	127	2.38	5.1	M	Aci	P	
			3	127	2.38	5.1	M	Aci	P	
			0	127	4.75	4	DSF	Aci	Cr2 p	
LRP-SCA-R02	127		1	127	2.38	4.7	B	Dci	MO	
			2	127	2.38	5.1	M	Aci	P	
			0	127	4.75	4	DSF	Aci	Cr2 p	
LRP-SCA-R03	127		1	127	3.35	5	B	Dci	Cr	
			2	127	23.8	5.1	M	Aci	p	
			0	127	4.75	4	DSF	Aci	Cr2 p	

STEYR / HOWO

LPR-S/H-R01	HOWO	6	1	126	3.5		T-B	Dci	MO P	
			2	126	3		M	Aci	P	
			0	126	4		DSF	Aci	CrI	

SUZUKI

LPR-SKI-R01	ST20	3	1	61	1.2	2.45	K2	SR	Cr	12140-67011
	ST30		2	61	2	2.6	BF-K2	CR	Cr	12140-63871/1cyl
LPR-SKI-R02	F8A	4	1	62	1.5	2.8	BF	HB	Cr	12140-73010
			2	62	1.5	2.8	T1	CR	Fe	
			0	62	2.8	2.85	NIFS	SR	Cr	
LPR-SKI-R03	Y3AB	3	1	62	1.5	2.5	BF-IB	SR	Cr	12140-84010
			0	62	2.8	2.8	NIFS	SR	Cr	
LPR-SKI-R04	F5A	3	1	62	1.5	2.8	BF	HB	Cr	12140-7300
			2	62	1.5	2.8	T1	CR	Fe	
			0	62	2.8	2.85	NIFS	SR	Cr	
LPR-SKI-R05	F8A	4	1	62	1.2	2.25	BF-IB	SR	Cr	12140-85050
	(NEW		2	62	1.2	2.5	ES-TUC	CR	Fe	
	F5A		0	62	2.8	2.85	NIFS	SR	GN	
LPR-SKI-R06	(NEW)	3	1	62	1.2	2.25	BF-IB	SR	Cr	12140-85050
			2	62	1.2	2.5	ES-TUC	CR	Fe	
			0	62	2.8	2.85	NIFS	SR	GN	
LPR-SKI-R07	F6A	3	1	65	1.2	2.3	BF-IB	SR	GN	12140-51E50
			2	65	1.5	2.7	ES-TUC	CR	Fe	
			0	65	2.5	2.5	NIFH	SR	GN	
LPR-SKI-R08	L60	2	1	68	1.2	2.65	K2	SR	Cr	12140-67820
			2	68	2	2.6	K2	CR	Cr	
LPR-SKI-R09	F10A	4	1	65.5	1.5	2.5	BF	SR	GN	12140-75111
			2	65.5	1.5	2.7	T1	CR	Fe	12140-75110/1cyl
			0	65.5	2.8	2.85	NIFS	SR	Cr	
LPR-SKI-R10	K6A	3	1	68	1	2.25	BF-IB	SR	Cr	
			2	68	1.2	2.5	TUC	CR	Fe	
			0	68	2	2.3	NIFH	SR	Cr	
LPR-SKI-R11	SS80	3	1	68.5	1.5	2.8	BF	HB	Cr	12140-78410
	Y64		2	68.5	1.5	2.8	T1	CR	Fe	12140-78411/1cyl
	Y65		0	68.5	2.8	2.8	NIFS	SR	Cr	
LPR-			1	71	2	2.5	BF-IB	SR	GN	

SKI-R12	K12A	1	2	71	1.2	2.8	TUC	CR	Cr	12140-75F30-000
			0	71	2	2.5	NIFS	SR	GN	
LPR-SKI-R13	G10	3	1	74	1.2	2.8	BF	SR	Cr	12140-82001/1cyl
			2	74	1.5	3.2	T1	CR	Fe	12140-82050/3cyl
			0	74	2.8	2.85	NIFS	SR	Cr	12140-82051/4cyl
LPR-SKI-R14	G13	4	1	74	1.2	2.8	BF	SR	Cr	
			2	74	1.5	3.2	T1	CR	Fe	
			0	74	2.8	2.85	NIFS	SR	Cr	
LPR-SKI-R15	G13	4	1	74	1.2	2.85	BF-IB	SR	Cr	12140-82010
			2	74	1.5	3.2	T1-IB	CR	Fe	
			0	74	2.8	2.55	NIFS	SR	Cr	
LPR-SKI-R16	G10	3	1	74	1.2	2.7	BF	SR	Cr	12140-82161
			2	74	1.5	3.2	T1-IB	CR	Cr	
			0	74	2.8	2.75	NIFS	SR	Cr	
LPR-SKI-R17	SR413	3	1	74	1.2	2.7	BIB	SR	GN	12140-63E50
	G13BA		2	74	1.2	3.2	ES-TUC	CR	Fe	
			0	74	2.5	2.85	NIFS	SR	GN	
LPR-SKI-R18		4	1	74	1.2	2.7	BF-IB	SR	GN	12140-63E50
			2	74	1.2	3.2	ES-TUC	CR	Fe	
			0	74	2.5	2.85	NIFS	SR	GN	
LPR-SKI-R19	G16	4	1	75	1.2	2.7	BF-IB	SR	GN	12140-60A50
			2	75	1.5	3.2	ES-TUC	CR	Fe	
			0	75	2.8	2.8	NIFS	SR	GN	
LPR-SKI-R20	E12	4	1	75	1.2	2.7	BF-IB	SR	GN	12140-61G50
	G16U		2	75	1.2	3	ES-TUC	SR	Fe	
			0	75	2.5	2.45	NIFS	SR	GN	
LPR-SKI-R21	M13A	4	1	78	1.2	2.85	BF-IB	SR	Cr	
			2	78	1.5	3.2	TUC	CR	Fe	
			0	78	2.8	2.6	NIFS	SR	Cr	
LPR-SKI-R22	M15A	4	1	78	1.2	2.85	BF-IB	SR	Cr	
			2	78	1.2	3.3	TUC	CR	Fe	
			0	78	2.5	2.85	NIFS	SR	Cr	
LPR-SKI-R23	J18 L20	4	1	84	1.2	2.9	BF-IB	SR	GN	12140-77E00 12140-86FA0
			2	84	1.5	3.55	ES-TUC	CR	Cr	
			0	84	2.5	2.85	NIFS	SR	GN	
TOYOTA										
LPR-TYT-R01	2K	4	1	72	2	3.4	T1	CR	Cr	13011-12030
			2	72	2	3.4	T1	CR	Fe	13011-12010(500)
			0	72	4	3.9	NIFS	SR	Cr	13011-12031(777)
	2E-L		1	73	1.5	2.7	BF-IB	SR	GN	13011-11040

LPR-TYT-R02	2E-LU	4	2	73	1.5	3.1	ES-TUC	CR	Fe	13011-11041
			0	73	3	3.05	NIFS	SR	GN	13011-11060
										13011-11061
										13011-11072
LPR-TYT-R03	4E-FE	4	1	74	1.2	2.7	BF	SR	Cr	13011-11122
			2	74	1.2	3.1	ES-TUC	CR	Fe	
			0	74	3	2.85	NIFS	SR	Cr	
LPR-TYT-R04	K	4	1	75	2	3.6	T1	CR	Cr	13011-22011
	3K		2	75	2	3.6	T1	CR	Fe	13011-24010
	4K		0	75	4	3.1	NIFS	SR	Cr	13011-24011
										13011-24012(777)
										13011-24020
										13011-24030
LPR-TYT-R05	2A	4	1	76	2	3.7	BF	CR	4Cr	13011-14010
			2	76	2	3.7	T1	CR	Fe	13011-14020
			0	76	4	3.05	NIFS	SR	Cr	13011-14021
LPR-TYT-R06			1	76	2	2.85	BF	SR	Cr	
			2	76	2	3.7	T1	CR	Fe	
			0	76	4	3.05	NIFS	SR	Cr	
LPR-TYT-R07	3P	4	1	76.6	2	3.5	T1	CR	Cr	13011-23030
	4P		2	76.6	2	3.5	T1	CR	Fe	
			0	76.6	4	3.3	NIFS	SR	Cr	
LPR-TYT-R08	1A	4	1	77.5	1.5	3.3	BF	HB	Cr	13011-15010
	3A		2	77.5	1.5	3.4	T1	CR	Fe	13011-15011
			0	77.5	2.8	2.85	NIFS	SR	Cr	13011-15020
										13011-15021
										13011-15031
LPR-TYT-R09	2R	4	1	78	2	3.7	T1	CR	Cr	13011-31010(500)
			2	78	2.5	3.6	TUC	CR	Cr	13011-31030
			0	78	4	3.85	NIFS	SR	Cr	13011-31040
LPR-TYT-R10		4	1	78.7	1.5	2.7	BF	SR	Cr	13011-15050
			2	78.7	1.5	3.5	T1	CR	Fe	
			0	78.7	3	2.85	NIFS	SR	Cr	
LPR-TYT-R11	1ZZ	4	1	79	1.2	2.65	BF	SR	Cr	13011-22040
	1ZZ-FE		2	79	1.2	3.2	TUC	CR	Fe	13011-0D010
			0	79	3	2.5	NIFS	SR	Cr	
LPR-TYT-R12	3ZZ	4	1	79	1.2	2.65	BF	SR	Cr	
			2	79	1.2	3.2	TUC	CR	Fe	
			0	79	3	2.55	NIFS	SR	Cr	
LPR-TYT-R13	T	4	1	80	2	3.8	BF	CR	Cr	13011-25010(500)
			2	80	2	3.8	T1	CR	Fe	13011-25020(500)
			0	80	4	3.8	NIFS	SR	Cr	13011-25031(777)

										13011-25041
LPR-TYT-R14	12R	4	1	80.5	2	3.9	BF	CR	Cr	13011-31050(500)
			2	80.5	2	3.9	T1	CR	Cr	13011-31051
			0	80.5	4	3.9	NIFS	SR	Cr	13011-31060(500)
LPR-TYT-R15	5K	4	1	80.5	1.5	3.1	BF	SR	GN	13011-13040
			2	80.5	1.5	3.65	T1	CR	Fe	13011-13050
			0	80.5	4	3.25	NIFS	SR	GN	13011-13090
LPR-TYT-R16	21R	4	1	84	2	4	BF	SR	4Cr	13011-37010
			2	84	2	4	T1	CR	Cr	
			0	84	4	3.25	NIFS	SR	Cr	
LPR-TYT-R17	2T	4	1	85	2	4	BF	CR	Cr	13011-26041
	2T-C		2	85	2	4	T1	CR	Fe	
	12T		0	85	4	3.3	NIFS	SR	Cr	
LPR-TYT-R18	2T(MEW)	4	1	85	1.5	3.8	BF	CR	4Cr	13011-28010
	12T-U		2	85	1.5	3.8	T1	CR	Fe	13011-28011
			0	85	4	3.25	NIFS	SR	Cr	13011-28020(777)
LPR-TYT-R19	1Y	4	1	86	1.5	3.5	BF	SR	Cr	13011-71010
	2Y		2	86	1.5	4	T1	CR	Cr	13011-71020
	3Y		0	86	4	3.25	NIFS	SR	Cr	13011-71030
LPR-TYT-R20	1RE	4	1	86	1.75	3.3	BF	SR	GN	13011-75020
	1RZ		2	86	1.5	3.05	TUC	CR	Cr	13011-75080
			0	86	4	2.8	NIFS	SR	GN	
LPR-TYT-R21	5S-FE	4	1	87	1.5	3.5	BF	SR	Cr	13011-74261
			2	87	1.5	3.6	T1	CR	Cr	
			0	87	4	3.05	NIFS	SR	GN	
LPR-TYT-R22	1MZ	6	1	87.5	1.2	2.9	BF	SR	GN	13011-20020
			2	87.5	1.2	3.3	T1	CR	Fe	
			0	87.5	3	2.85	NIFS	SR	GN	
LPR-TYT-R23	3R	4	1	88	2.5	4.1	T1	CR	Cr	13011-49010
			2	88	2.5	4.1	TUC	CR	Cr	13011-49021
			0	88	5	4.05	NIFS	SR	Cr	
LPR-TYT-R24	5R	4	1	88	2	4.2	BF	CR	Cr	13011-44043
			2	88	2.5	4.2	T1	CR	Cr	
			0	88	4	3.3	NIFS	SR	Cr	
LPR-TYT-R25	16R	4	1	88.5	2	4.2	BF	CR	4Cr	13011-38040
	18R		2	88.5	2.5	4.2	ES-TUC	CR	Cr	
	19R		0	88.5	4	4.1	E-BC3	CR	Cr	
LPR-TYT-R26	20R		1	88.5	2	4.2	BF	CR	4Cr	13011-30030
			2	88.5	2.5	4.2	T1	CR	Cr	13011-34012(MT777)
			0	88.5	4	3.85	NIFS	SR	Cr	13011-34013
LPR-TYT-	2AZ-FE	4	1	88.5	1.2	2.7	BF	SR	Cr	13011-28100
			2	88.5	1.2	3.1	TUC	CR	Fe	13011-28141

R27			0	88.5	2	2.75	E-BC16	SR	GN	
LPR-TYT-R28	F(NEW)	6	1	90	2	4	T1	CR	Cr	13011-60040
			2	90	2.5	4	T1	CR	Fe	
			O1	90	4	4	BC3	CR	Cr	
			O2	90	4	4	BC3	CR	Fe	
LPR-TYT-R29	4Y 22R	4	1	91	1.5	3.3	BF-IB	SR	Cr	13011-73020
			2	91	1.5	3.95	TUC	CR	Cr	13011-73030
			0	91	4	3.15	NIFS	SR	Cr	13011-73040
			1	92	2	4.2	BF	CR	4Cr	13011-35010
LPR-TYT-R30	5VZ	6	2	92	2.5	4.2	T1	CR	Cr	13011-35020
			0	92	4	3.3	NIFS	SR	Cr	13011-35030
			1	93.5	1.5	3.3	BF	SR	GN	13011-62100
			2	93.5	1.5	4	T1	CR	Fe	13011-62110
LPR-TYT-R31	3F	6	0	93.5	4	2.85	NIFS	SR	GN	13011-66020
			1	94	1.5	3.65	BF	SR	Cr	13011-61060
			2	94	1.5	4	T1	CR	Cr	
			0	94	4	3.25	NIFS	SR	GN	
LPR-TYT-R32	3RZ-FE	4	1	95	1.5	3.5	BF	SR	GN	13011-75040-A
			2	95	1.5	3.45	TUC	SR	Cr	
			0	95	4	2.9	NIFS	SR	GN	
LPR-TYT-R33	1FZ	6	1	100	2	3.5	BF	SR	GN	13011-66020
			2	100	2	3.8	TUC	CR	Cr	
			0	100	4	3.3	NIFS	SR	GN	
LPR-TYT-R34			1	100	1.75	3.7	BF-IB	SR	GN	13011-66021
			2	100	2	3.8	TUC	CR	Cr	
			0	100	4	3.3	NIFS	SR	GN	
LPR-TYT-R35	1ND	4	1	73	1.5	2.45	BF	SR	Cr	
			2	73	1.5	2.45	T1	HB	Cr	
			0	73	3	3.25	E-BC16	SR	GN	
LPR-TYT-R36	1C	4	1	83	2	3.3	BF-K3	SR	GN	13011-64010
	1CL		2	83	2	3.8	T1	CR	Cr	13011-64020
			0	83	4	4	E-BC16	CR	Cr	13011-64040
										13011-64070
										13011-64080
LPR-TYT-R37			1	83	2	3.05	BF-K2	SR	Cr	
			2	83	2	3.8	T1	CR	Cr	
			0	83	4	4.35	E-BC16	SR	GN	
LPR-TYT-R38	1C(NEW)	4	1	83	2	3.1	BF-K2	SR	GN	13011-64220
			2	83	2	3.5	T1	CR	Cr	
			0	83	3	3.25	E-BC16	SR	GN	
LPR-TYT-R39	2C	4	1	86	2	3.6	BF-K2	SR	Cr	13011-64060
			2	86	2	3.9	T1	CR	Cr	13011-64110
			0	86	4	4	E-BC3	SR	Cr	
LPR-TYT-			1	86	1.75	2.9	BF-K2	SR	GN	13011-64170
			2	86	2	3.6	T1	CR	Cr	

R40			0	86	3	3.05	E-BC16	SR	GN	
LPR-TYT-R41			1	86	2	3.1	BF-K2	SR	GN	13011-64190
			2	86	2	3.6	T1	CR	Cr	
			0	86	3	3.05	E-BC16	SR	GN	
LPR-TYT-R42			1	86	2	3.1	BF-K2	SR	GN	13011-78201
			2	86	2	3.6	T1	CR	Cr	
			0	86	3	3.1	NIFS	SR	GN	
LPR-TYT-R43	1DZ	4	1	86	2	3.1	BF-K2	SR	GN	13011-7870071
	3C-T		2	86	2	3.6	T1	CR	Cr	
			0	86	4	4.35	E-BC16	SR	GN	
LPR-TYT-R44	1DZ	4	1	86	2	3.05	BF-K2	SR	Cr	13011-46021
			2	86	2	3.6	T1-K3	CR	Cr	
			0	86	4	4.15	E-BC16	SR	GN	
LPR-TYT-R45	2J	4	1	88	2.5	3.8	BF-K3	HB	JF	13011-48013
			2	88	2.5	3.8	T1	CR	Cr	
			3	88	2.5	3.8	TUC	CR	Fe	
			O1	88	4	3.8	BC1	CR	Cr	
			O2	88	4	3.8	BC1	CR	Fe	
LPR-TYT-R46			1	88	2.54	3.8	BF-K3	HB	Cr	13011-48021
			2	88	2.5	3.8	T1	CR	Cr	13011-48022
			3	88	2.5	3.8	TUC	CR	Fe	13011-48023
			0	88	4	4.2	E-BC3	CR	Cr	13011-48030
LPR-TYT-R47			1	88	2.54	3.8	BF-K3	HB	Cr	13011-47020
			2	88	2.5	3.8	T1	CR	Cr	
			3	88	2.5	3.8	TUC	CR	Fe	
			0	88	4	4.35	E-BC16	SR	GN	
LPR-TYT-R48			1	88	2.54	3.8	BF	HB	4Cr	13011-47021
			2	88	2.5	3.8	T1	CR	Cr	13011-47022
			0	88	4	4.2	E-BC3	CR	Cr	13011-47023
LPR-TYT-R49	H	6	1	88	2.5	3.8	BF-K3	HB	JF	13011-54010
			2	88	2.5	3.8	T1	CR	Cr	
			3	88	2.5	3.8	TUC	CR	Fe	
			O1	88	4	3.8	BC1	CR	Cr	
			O2	88	4	3.8	BC1	CR	Fe	
LPR-TYT-R50			1	88	2.54	3.8	BF-K3	HB	Cr	13011-54020
			2	88	2.5	3.8	T1	CR	Cr	
			3	88	2.5	3.8	TUC	CR	Fe	
LPR-TYT-R51			0	88	4	4.2	E-BC3	CR	Cr	
LPR-TYT-	L	4	1	90	2.5	3.8	BF	HB	Cr	13011-54010
			2	90	2	4	T1	CR	Cr	13011-54020

R52			0	90	4	4.15	E-BC3	CR	Cr	13011-54021
LPR-TYT-R53	L(NEW)	4	1	90	2	3.65	BF-K2	SR	Cr	13011-54030
			2	90	2	4	T1	CR	Cr	13011-54031
			0	90	4	4.15	E-BC3	CR	Cr	13011-54040
										13011-54041
										13011-54042
										13011-54080
LPR-TYT-R54	2H	6	1	91	2.54	4	BF-K3	HB	Cr	13011-68010
			2	91	2.5	4	T1	CR	Cr	13011-68020
			0	91	4	4.2	E-BC3	CR	Cr	13011-96601
LPR-TYT-R55			1	91	2.54	4	BF-K3	HB	Cr	13011-31960-71
			2	91	2.5	4	T1	CR	Cr	
			3	91	2	4	TUC	CR	Cr	
			0	91	4	4.2	E-BC3	CR	Cr	
LPR-TYT-R56	12H-T	6	1	91	2.5	3.5	BF-K3	SR	GN	13011-68030
			2	91	2.5	4	T1	CR	Cr	
			0	91	4	4.2	E-BC3	CR	Cr	
LPR-TYT-R57	2L-T	6	1	92	2	3.35	BF-K2	SR	GN	13011-54050
	2L-TE		2	92	2	3.3	T1	SR	GN	13011-54060
			0	92	4	4.35	E-BC16	SR	GN	13011-54061
										13011-54100
LPR-TYT-R58	2KD	4	1	92	2	2.9	BF	SR	GN	13011-30031
			2	92	1.5	2.9	T1	SR	GN	
			0	92	3	3	E-BC16	SR	GN	
LPR-TYT-R59			1	92	2	2.9	BF	SR	PVD	13011-30060
			2	92	1.5	2.9	T1	SR	GN	
			0	92	3	3	E-BC16	SR	GN	
LPR-TYT-R60	1HZ	6	1	94	2	3.5	BF-K2	SR	GN	13011-17010
			2	94	2	4	T1	CR	Cr	
			0	94	4	4.25	E-BC16	SR	GN	
LPR-TYT-R61	1PZ	4	1	94	2	3.5	BF-K2	SR	GN	13011-18030
			2	94	2	4	T1	CR	Cr	
			0	94	4	4.35	E-BC16	SR	GN	
LPR-TYT-R62	B	4	1	95	2.5	1.4	BF-K3	HB	Cr	13011-56011
			2	95	2.5	4.3	T1	CR	Cr	
			3	95	2.5	4.3	TUC	CR	Fe	
			0	95	4	4.3	E-BC3	CR	Cr	
LPR-TYT-R63	B(NEW)	4	1	95	2.54	4.1	BF-K3	HB	4Cr	13011-56012
			2	95	2.5	4.3	T1	CR	Cr	13011-56013
			0	95	4.5	4.3	E-BC3	CR	Cr	13011-56021

										13011-56022
LPR-TYT-R64	B(OLD)	4	1	95	2.5	4.3	BF	CR	4Cr	13011-56010
			2	95	2.5	4.3	T1	CR	Cr	
			3	95	2.5	4.3	TUC	CR	Fe	
			0	95	4.5	4.3	E-BC3	CR	Cr	
LPR-TYT-R65	11B	4	1	95	2.5	3.5	BF-K2	SR	GN	13011-56040
	B(NEW)		2	95	2	4.3	T1	CR	Cr	
			0	95	4	4.35	E-BC16	SR	GN	
LPR-TYT-R66			1	95	2.5	3.7	BF	SR	Cr	13011-56030
			2	95	2.5	4.3	T1	CR	Cr	
			0	95	4.5	4.3	E-BC3	SR	Cr	
LPR-TYT-R67	3L	4	1	96	2	3.35	BF-K2	SR	GN	13011-54120
			2	96	2	4.2	T1	CR	Cr	
			0	96	4	4.35	E-BC16	SR	GN	
LPR-TYT-R68	1KZ	4	1	96	2	3.35	BF-K2	SR	GN	13011-67030
			2	96	2	3.65	TUC	SR	Cr	
			0	96	3	3.25	E-BC16	SR	GN	
LPR-TYT-R69	1Z	4	1	96	2	3.5	BF	SR	GN	13011-78300-71
			2	96	2	4.4	T1	CR	Cr	
			0	96	4	3.95	E-BC3	SR	Cr	
LPR-TYT-R70	1KD	4	1	96	2	3.3	BF-K2	SR	Cr	13011-30020
			2	96	1.5	3.3	T1	SR	GN	13011-30021
			0	96	3	3	E-BC16	SR	GN	13011-30022
										13011-30040
										13011-30050
										13011-30051
LPR-TYT-R71	2B	4	1	98	2.54	4.1	BF-K3	HB	4Cr	13011-57010
			2	98	2.5	4.3	T1	CR	Cr	
			0	98	4.5	4.4	E-BC3	CR	Cr	
LPR-TYT-R72	2Z	4	1	98	2	3.5	BF	SR	GN	13011-78700-71
			2	98	2	4.3	T1	CR	Cr	
			0	98	4	4.35	E-BC16	SR	GN	
LPR-TYT-R73	5L	4	1	99.5	2	3.6	BF-K2	SR	GN	13011-54130
			2	99.5	1.5	3.7	TUC	SR	GN	
			0	99.5	4	4.35	E-BC16	SR	GN	
LPR-TYT-R74	3B	4	1	102	2.54	4.3	BF-K3	HB	4Cr	13011-58010
			2	102	2.5	4.4	T1	CR	Cr	13011-58001
			0	102	4.5	4.4	E-BC3	CR	Cr	
LPR-TYT-R75	14B	4	1	102	2.5	3.7	BF-K2	SR	GN	13011-58050
			2	102	2	4.3	T1	CR	Cr	
			0	102	4	4.35	E-BC16	SR	GN	

LPR-TYT-R76	13B	4	1	102	2.5	4.1	BF	SR	Cr	13011-5830
			2	102	2.5	4.3	T1	CR	Cr	
			0	102	4.5	4.6	E-BC3	CR	Cr	
LPR-TYT-R77			1	102	2.5	4.1	BF	SR	Cr	
			2	102	2.5	4.3	T1	CR	Cr	
			0	102	4.5	4.6	E-BC16	SR	GN	
LPR-TYT-R78	N04C	4	1	104	2.5	3.7	BF	SR	GN	13011-78060
			2	104	2	4.3	T1	CR	Fe	
			0	104	4	4.35	E-BC16	SR	GN	
LPR-TYT-R79	2D	6	1	105	3	4.2	BF	CR	4Cr	13011-77010
			2	105	3	4.2	T1	CR	Cr	13011-77020
			3	105	3	4.2	B1-TUC	CR	Fe	13011-77021
			O1	105	5	4.6	E-BC3	CR	Cr	13011-77022
			O2	105	5	4.2	BC1	CR	Fe	13011-77023
LPR-TYT-R80			1	105	3	4.2	BF	CR	4Cr	13011-77024
			2	105	3	4.2	T1	CR	Cr	
			3	105	3	4.2	B1-TUC	CR	Fe	
			0	105	5	4.6	E-BC3	CR	Cr	
LPR-TYT-R81	2D(NEW)	6	1	105	3.05	4	BF-K3	HB	4Cr	13011-77040
			2	105	2.5	4.4	T1	CR	Cr	13011-77041
			3	105	2.5	4.4	B1-TUC	CR	Fe	
			0	105	5	4.6	E-BC3	CR	Cr	
LPR-TYT-R82	15B	4	1	108	3	3.7	BF-K2	SR	GN	13011-58090
			2	108	2	4.3	B1-TUC	CR	Cr	
			0	108	4	4.4	E-BC16	SR	GN	
LPR-TYT-R83	15B	4	1	108	3	3.7	BF	SR	GN	13011-58110
			2	108	2	3.8	B1-TUC	CR	Fe	
			0	108	4	4.4	E-BC16	SR	GN	
LPR-TYT-R84	S05C	4	1	114	2.5	4.3	BF	SR	GN	13011-78031
			2	114	2	4.3	T1	SR	GN	
			0	114	4	4.354	E-BC16	SR	GN	
Volvo										
LPR-VLV-R01	85		1	85	2	3.6	NM	Aci	P	
			2	85	2	3.7	NM	Aci	P	
			0	85	4	3	DSF	Aci	P	
LPR-VLV-R02	104.775		1	104.78	2.38		B	Dci	Cr1	
			2	104.78	2.38		IF	Aci	P	
			0	104.78	6.35		DSF	Aci	Cr2	
LPR-			1	104.78	3		T-B-IW	Dci	Cr1 p	

VLV-R03	105.775		2	104.78	2.38		IF	Aci	p	
			0	104.78	6.35		DSF	Aci	Cr2 p	
LPR-VLV-R04	TD71		1	104.78	2.38		R	Dci	P	
			2	104.78	3.175		IF	Aci	Cr1 p	
			0	104.78	4.76		DSF	Aci	Cr2 p	
LPR-VLV-R05	120		1	120	4	4.9	T-B	Dci	MO	
			2	120	3	5	NM	Aci		
			0	120	3	2.3	FM	Steel	Cr2 p	
LPR-VLV-R06	TD100		1	120.65	2.38		B	Dci	Cr1 p	
			2	120.65	3.12		NM	Aci		
			0	120.65	4.75		DSF	Aci	Cr1 p	
LPR-VLV-R07	TD100A	6	1	120.65	2.385					
			2	120.65	3.16					
			3	120.65	3.16					
			0	120.65	4.74					
LPR-VLV-R08	TD100B	6	1	120.65	2.385					
			2	120.65	3.16					
			0	120.65	4.74					
LPR-VLV-R09	TD120G	6	1	120.65	3.385					
			2	120.65	3.16					
			0	120.65	4.74					
LPR-VLV-R10	144		1	144	4.5	5.5	IW-B	Dci	Cr1/mo	
			2	144	3.5			Dci		
			0	144	5			Aci		

VOLKSWAGEN

LPR-VW-R01	1977-92	4	1	76.5	1.75		R-B	Dci	Cr1	029 80 NO(MAHLE)
	1471CC		2	76.5	2		M	Aci	P	80 00006 11000(KS)
	Eng.Diesel		0	76.5	3		DSF	Aci	Cr1	4043065(PC)
	Rabbit									
	Golf Turbo									
	JettaD,									
	Passat D,									
	SantanaD									
LPR-VW-R02	JETTA	4	1	81	1.5		IW-B	Dci	Cr1	
			2	81	1.75		NM	Aci	P	
			0	81	2		DSF	Dci		
LPR-VW-R03	JETTA	4	1	81	1.5		R-B	Dci	MO	
			2	81	1.75		NM	Aci	P	
			0	81	2		DSF	Dci		

LPR-VW-R04	SANTANA AUDI	4	1	81	1.5		IW-B	Dci	CrI	
			2	81	1.75		NM	Aci	P	
			0	81	2					
LPR-VW-R05	PASSAT B4	4	1	81	1.5		R-B	DCI	CrI	
			2	81	1.75		NM	ACI	crl p	
			0	81	3		SLF	Steel	Ox	
LPR-VW-R06	PASSAT B5	4	1	81	1.5		R-B	DCI	CrI	
			2	81	1.75		NM	ACI	P	
			0	81	2		DSF	ACI		
YANMAR										
LPR-YMR-R01	84		1	84	2	3.5	BF	HB	4Cr	
			2	84	2	3.6	T1	CR	Fe	
			0	84	4	4.3	E-BC16	SR	Cr	
LPR-YMR-R02	88		1	88	2	3.5	BF	HB	Cr	129001-22500
			2	88	2	3.4	T1	CR	Fe	
			0	88	4	4.8	E-BC16	SR	Cr	
LPR-YMR-R03	94		1	94	2	3.6	BF			129900-23601
			2	94	2	4	T1			
			0	94	3	2.4	E-BC16			
LPR-YMR-R04	95		1	95	3.5	3.8	T1	HB	Fe	
			2	95	2.5	3.8	T1	HB	Fe	
			3	95	2.58	3.8	TUC	HB	Fe	
			01	95	4.5	3.6	BC3	HB	Fe	
			02	95	4.5	3.6	BC3	HB	Fe	
LPR-YMR-R05	98		1	98	2	3.5	BF-K2	HB	Cr	129907-22050
			2	98	2	4.1	T1	CR	Fe	
			0	98	3	3.2	E-BC16	SR	GN	
LPR-YMR-R06	6CH		1	105	3	4.5	BF	HB	4Cr	
			2	105	2.5	4.5	T1-IC	CR	Cr	
			3	105	2.5	4.5	TUC	CR	Cr	
			0	105	5	5.2	E-BC3	CR	Cr	
LPR-YMR-R07	6HA		1	130	4	5	BF	HB	Cr	
			2	130	3	5	T1-IC	HB	Cr	
			3	130	3	5	B1-TUC	CR	Fe	
			0	130	6	5.45	E-BC3	CR	Cr	
LPR-YMR-R08	140		1	140	4	4.8	BF	CR	Cr	
			2	140	3	5.25	T1	CR	Cr	
			3	140	3	5.25	T1-IC	CR	Fe	
			0	140	6	4.8	E-BC3	CR	Cr	

LPR-YMR-R09	150		1	150	4.5	6	BF-K2	HB	Fe	
			2	150	3	6	T1-K2	CR	Cr	
			0	150	6	6.7	E-BC16	SR	Cr	
LPR-YMR-R10	160		1	160	3.65	6.2	BF-K1	HB	Cr	
			2	160	3.65	6.1	T1-K1-IC	HB	Cr	
			0	160	5	5.4	E-BC3	CR	Cr	
LPR-YMR-R11	165		1	165	4	6.5	BF	CR	4Cr	
			2	165	4	6.5	T1-IB	CR	Cr	
			3	165	4	6.5	B1-TUC	CR	Cr	
			0	165	6	6.5	E-BC3	CR	Cr	
LPR-YMR-R12	170		1	170	3.7	6.6	BF-K1-IB	HB	Cr	
			2	170	3.65	6.6	BF-K1-IC	HB	Cr	
			0	170	5	5.6	E-BC3	CR	Cr	