

# Caterpillar—Quick Reference

## TUNE-UP

Model	Serial #	Serial Breaks	Engine	Fuel	Spark Plugs	Wire Sets	Cap	Rotor	Air Filter: Primary	Air Filter: Secondary	Oil Filter	Transmission Filter	Hydraulic Filter Suction	Hydraulic Filter Return
T30-50 D	8EB		Peugeot	Gas/LPG	2W9486	7W8572	4W3862	4W3979	2W4246	2W4246	1N4402	4T7948	917336	917336
T25-50D	5GB		Peugeot	Gas/LPG	2W9486	7W8572	4W3862	4W3979	2W4246	2W4246	1N4402	4T7948	902900	902900
T40-60DSA	2LC,9PB		Hercules	Gas/LPG	8N2236	6I1232	7N7542	2W2257	D180237	D18023	D141099	D140182	D144020	D144020
T60-90D,TC100D	5KB,5RB			Gas/LPG	6N9142	1W0761	372478	332361	8N5504	7N9027	7W2327	6E0924	349804	349804
GC15,GC18	2EM	Clip Down Cap	4G63	Gas/LPG	1017271	1085017	1017046	1041551	1085330	1085330	1041426	X	1015617	1015625
GC15,GC18	2EM	Screw Down Cap	4G63	Gas/LPG	MS851101	MD972033	MD618364	MD618262	1085330	1085330	1041426	X	1015617	1015625
GC15,GC18	3EM		4G63	Gas/LPG	1017271	1085017	1017046	1041551	1085330	1085330	1041426	X	1015617	1015625
GC25	4EM		4G63	Gas/LPG	1017271	1085017	1017046	1041551	1085330	1085330	1041426	X	1015625	1015623
GC25	5EM		4G63	Gas/LPG	1041647	1085017	1017046	1041551	1085330	1085330	1041426	1015177	1015625	1015623
GC30	6EM		4G64	Gas/LPG	1017271	1085017	1017046	1041551	1085330	1085330	1041426	1015177	1015625	1015623
GC15	7EM		4G33	Gas/LPG	1017271	1016865	1017046	1017001	1015412	1015412	1016908	1015177	1015634	1015634
GP15,GP18	3AM,4AM		4G63	Gas/LPG	1041647	1085017	1017046	1041551	1085330	1085330	1041426	1037452	1015617	1015617
GP20,GP25	5AM,6AM	Screw Down Cap	4G63	Gas/LPG	1038083	1085017	MD618364	1041551	1085330	1085330	1041426	1015177	1039843	1039843
GP20,GP25	5AM,6AM	Clip Down Cap	4G63	Gas/LPG	1038083	1085017	MD611686	1041551	1085330	1085330	1041426	1015177	1039843	1039843
GP30, 35	7AM,8AM		4G64	Gas/LPG	1041647	1085017	1017046	1017044	1085330	1085330	1041426	1015177	1015617	1015617
V40-50D,VC60D	3EC,2MC	3EC1-7475		Gas/LPG	2W9486	7W8572	4W3862	4W3979	2W4246	2W4246	1N4402	6E0924	902900	902900
V40-50D,VC60D	3EC,2MC	3EC7476		Gas/LPG	2W9486	7W8572	4W3862	4W3979	2W4246	2W4246	1N4402	6E0924	917336	917336

X = Not used

## NOTES

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## BRAKES

Model	Brake Shoe	Wheel Cylinder	Wheel Cylinder Repair Kit	Brake Adjuster	Master Cylinder	Master Cylinder Repair Kit
T25, TC30	94105	93793 Left / 93794 Right	62314	w/ Wheel Cyl Kit	83976	365953
T30-60, T30-60B, M30-50	343338	93793 Left / 93794 Right	62314	w/ Wheel Cyl Kit	93714	335816
T60-120C, M60-100	354169(2)	343161		98517	309084	365953
V30-50	323614(2)	323612	393612	98517	309084	365953
V30-50B & C, V55-60B, V30	322614(2)	345527*		98517	309084	365953
V41-51B, V41-51-60	323614(2)	323612		98517	309084	365953
V60-80C	354169(2)	343161		98517	309084	365953
MC20-30	379877	69387 Left / 69760 Right	82766	69681	348372	335816
T25-35D 5GB1-UP	6Y4304 (Rear) (Left) 6Y4305 (Right) 6Y4306 (Front)	6T6450	9W8278	916950	910097	6T6449
T40-60D8EB1 & UP, 2YB1-UP	909222	909229	834537	909223	909601/909738	909301/909617
8EB FITS - 9U9380 TRANS.	6R8020	909229	834537	909223	909738	909617
V40 - 50D, VC60D, 4 BC1+ 5AC1+, 4CL1+, 5BC1+, 2NC1+, 9SB1+, T40-60D, 2LC1-up, 9PB1-up	Discs 7T4853 Friction 909258 Separator	X	X	909223	909538	909708
T30C-TC60C, 31w1-up, 33w1-up, 67w1-up, 69w1-up, 93w1-up, 38y1-up	323614(2)	343161	98517	399180	365953	323607 (Left) 323608 (Right)
T30C-TC60C, 66s1-up	323616(4)	343161	98517	399180	365953	323607 (Left)
T60-120C, 33L671, 41L287, 556374, 90M570, 94M319, 18N261, 54Y1, 56Y1, 55Y1 33L 1222, 41L080, 55L837	354169(2)	343161	98517	83976	365953	323607 (Left) 323608 (Right)
V40-50D, VC60D, 3FC1+, 9RB1+, 3EC1+, 2MC1+	6R8020	909229	834537		909601/909738	909617
V60-80D, 37W1+, 40x1+, 74x1+, 41x1+, 75x1+	354169(2)	343161	98517	83976	365933	323608 (Left) 323607 (Right)
V60-80D, 41x2718+, 41x3049, 75x442+	354169(2)	343169	98517	905137	386997	323608 (Left) 323607 (Right)
V60-80E, 58A400+, 62A400+	354169	343161	98517	912207	386997	323608
V60-80E, 37W2525+ 37W2767	354169(2)	343161	98517	905137	386997	323608
V60-80E, 40x2569+, 41x3050+	354169	343161	98517	323608	912207	386997
V60-80E, 7LB1+, 4ZB1+	912461	343161	98517	323608	912207	386997
GC15, 18	1069055 (Primary)	1015248	1015249	1015776	1097340	1015259
2EM, 3EM	1069056 (Secondary)					
GC20, 25, 30	1110786 (2) (Front)	1040091	1033218	1015776	1097340	1112799 (Right)
4EM, 5EM, 6EM	1110791 (Left Rear) 1110729 (Right)					1033428 (Left)
GC15	1015250 (2) (Front)	1015248	1015249	1015776	1015777	1015259
7EM	1015273 (Left Rear) 1015258 (Right)					
GP15, 18	1069055 (2) (Front)	1015248	1015249	1039585	1039586	1015259 (Left) 1015260 (Right)
3AM, 4AM	1069056 (Left Rear) 1069057 (Right)					
GP15, 25	1110786 (2) (Front)	1040091	1033218	1039585	1039586	1033428 (Left) 1033429 (Right)
5AM, 6AM	1110791 (Left Rear) 1110792 (Right)					
GP15, 18	1040340 (2) (Front)	1015248	1015249	1015259 (Left) 1015260 (Right)	1039585	1039586
3AN, 4AN, 3AP	1040436 (Left Rear) 1040341 (Right)					

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## BRAKES cont.

Model	Brake Shoe	Wheel Cylinder	Wheel Cylinder Repair Kit	Brake Adjuster	Master Cylinder	Master Cylinder Repair Kit
GP15, 20, 25 5AN, 6AN, 5AP, 6AP	1040107 (2) (Front) 1040109 (Left Rear) 1040106 (Right)	1040091	1033218	1033428 (Left) 1033429 (Right)	1039585	1039586
GP30, 35 7AM, 8AM	1110786 (2) (Primary) 1110791 (2) (Secondary)	1040091	1033218	1039585	1039586	1033428 (Left) 1033429 (Right)
GP30, 35 7AN, 8AN, 7AP	1040107 (2) (Front Primary) 1040109 (Left Rear) 1040106 (Right)	1040091	1033218	1039585	1039586 1033429 (Right)	1033428 (Left)
GP, GPL40 (2 Speed) CM,2CM, CP, 2CP, CN, 2CN	1075372 1075373 1075374 1075375	1033734	1033735	1037530	1033757	1033736 (Left) 1033737 (Right)
GP, GPL40 (1 Speed) CM, 2CM, CP, 2CP, CN, 2CN	1033454 (2) (Right) (Front) 1033455 (Left), 1033456 (Right)	1033427	1033218	1037530	1033757	1033428 (Left) 1033429 (Right)

## STARTERS

Model	Engine	Part #	Type
540S, 600S,	Continental	350725	Dry
540S, 600S, 670S, 750	Continental	88189	Oil
670S, 750	Continental	350725	Dry
GC, GP 15-30	Mitsubishi 4G63& 4G64	1085012	Gear Reduction
R40-50, RC60	Perkins	1998259	Dry
R60-80C, V60-80D	Perkins	9G6941	Oil
T25-35D, V25-35D	Peugeot	3T8209	Gear Reduction
T25-TC30	Continental	1109420	Dry
T25-TC30	Continental	1190422	Oil
T30-50B	Continental	7N8404	Oil
T30-50B, V41, 51, 55, 60B	Hercules 1404	3T8211	Gear Reduction
T30-50BC	Continental	7N8405	Dry
T30-55C, TC60, V#)-50C	Hercules 1404	3T5649	Gear Reduction
T30-60B, V30-50B	Hercules 1404	3T8210	Gear Reduction
T40-50D, TC60D	Perkins: Gas	6T7002	Gear Reduction
T40-50D, TC60D	Perkins: Gas	6T7003	Gear Reduction
T40-50D, TC60D	Perkins: Gas	6T7004	Gear Reduction
T40-55C	Hercules 1404	1998207	Oil
T60-120C	Continental	308855	Dry
T60-120C	Continental	8N1694	Oil
T80C, T90C	Hercules 1404	3T8211	Gear Reduction
V30-50B	Continental	350725	Dry
V30-50B	Continental	88109	Oil
V30-50C	Hercules 1404	7N7665	Oil
V30-50D, VC60D	Perkins: Gas	6T7003	Gear Reduction
V55-VC60C, T60-120C	Hercules 1404	3T8210	Gear Reduction
V60-80C	Perkins	7N8403	Dry
V60-80E	Perkins	347199	Dry
V60-80E, T100-125-150D	Perkins	9G6941	Oil
V80E	Perkins:Standard	3T8194	Dry
V80E	Perkins: Gear Reduction	7X1057	Dry

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## ALTERNATORS

Model	Engine	Part #
T30-50B	Continental	315278
V30-50B & C	Continental	347205
V60-80D	Perkins	9G6080
510P	Continental	7N8089
GC, GP 15-30	Mitsubishi	1041462

## ENGINES

### 2500-6000 Lb. IC 1984-1993 Production

Model	Serial #	Engine
T25D-TC40D	5GB	Peugeot XN1P Gas
VC25D-VC40D	5HB	Peugeot XN1P Gas
VC25D-VC40D	5JB	Peugeot XN3P Diesel
T40D-TC60D	8EB	Peugeot XN1P Gas
T40D-TC60D	2YB	Peugeot XN3P Diesel
T40DSA-TC60DSA	9PB	Cat 1404 Gas
T40DSA-TC60DSA	2LC	Cat 1404 LP
V40D-V50D	3EC	Peugeot XN1P Gas
VC60D	2MC	Peugeot XN1P Gas
V40D-V50D	9RB	Peugeot XN3P Diesel
VC60D	3FC	Peugeot XN3P Diesel
V40DSA-V50DSA	4BC	Cat 1404 Gas
VC60DSA	9SB	Cat 1404 Gas
V40DSA-V50DSA	2NC	Cat 1404 LP
VC60DSA	4CC	Cat 1404 LP
V40DSA-V50DSA	5AC	Perkins 4.202 Diesel
VC60DSA	5BC	Perkins 4.202 Diesel
T40E-TC60E	1TD	Peugeot XN1P Gas
T40E-TC60E	2ND	Peugeot XN1P Gas
T40E-TC60E	4PD	Cat 1404 Gas
T40E-TC60E	5HD	Cat 1404 Gas
T40E-TC60E	8AD	Cat 1404 LP
T40E-TC60E	4LF	Cat 1404 LP
V40E-VC60E	4EG	Peugeot XN1P Gas
V40E-VC60E	5NG	Peugeot XN1P Gas
V40E-VC60E	9PB	Peugeot XN3P Diesel
V40E-VC60E	6YJ	Peugeot XN3P Diesel
V40E-VC60E	7JJ	Cat 1404 Gas

## NOTES

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## COOLING

Model	Engine/Serial #	Water Pump Mounting Gasket	Water Pump	Water Pump Kit	Upper Hose	Lower Hose	Thermostat	Thermostat Gasket	Radiator Cap	Fan Blade	Belt
T30-60, T30-60B			41317	304411	92547	21920	26100	5733	311119	52454	303291
V30-50			41333	304411	6A3557	6A3557	26100	5733	321464	52454	303291
V41-51B, V41-51-60			41333	304411	301999	301998	26100	5733	321464	52454	303291
V30-50B & C, V55-60B, V30			337791	337809	328935	314799	337645	328037	321464	337806	314850
V60-80C			358206	354389	349353	349354	329986	329952	361865	358862	2P6212
V60-80D	37W1+, 40x1+, 74x1+, 41x1+, 75x1+		358206	354389	349354	249354	329053	329952	379497	374605	2P6212
V60-80E	37W2525+ 37W2767		358206	354389	349354	249354	329053	329952	379497	374605	2P6212
T25, TC30			360599	360601	364015	21920	374764	5733	379497	374636	362176
T60-120C, M60-100			360602	360601	32072		388529	374764	5733	379497	347172
T60-120C	33L671, 41L287, 556374, 90M570, 94M319, 18N261, 54Y1, 56Y1, 55Y1 33L 1222, 41L080, 55L837	360602	360601	32072			388529	374764	5733	379497	347172
GP15, 18	4G63		1017048	with Water Pump	1040121						
GP15, 25	4G63		1017048	with Water Pump	1040121	1040100	1037892	1037805	1015023	1015670	1017158
GP, GPL40 (2 SPEED)	6G72		1037893	with Water Pump	1037500	1040100	1037892	1037805	1015023	1015670	1017158
GP, GPL40 (2 SPEED)	6G72		1037893	with Water Pump	1037500	1037501	1037892	1037805	1015023	1033252	1037504
GP, GPL40 (2 SPEED)	6G72		1037893	with Water Pump	1037500	1037501	1037892	1037805	1015023	1033252	1037504
GP, GPL40 (1 SPEED)	6G72		1037893	with Water Pump	1037500	1037501	1037892	1037805	1015023	1033252	1037504
GC15, 18	4G63		1041579	with Water Pump	1112810	1037501	1037892	1037805	1015023	1033252	1037504
GC20, 25, 30	4G63, 4G64		1041579	with Water Pump	1112857	1112811	1016730	with Thermostat	1015023	1015670	1041623
GC15	4G33 (7EM)		1041579	with Water Pump	93101-02200	1112858	1016790	with Thermostat	1015023	1015670	1015754
GC15	4G63 (2EM)			with Water Pump		93101-02300	MD997220	with Thermostat	1015023	1015670	MM115231
GP30, 35	4G64		1041579	with Water Pump	1039944			with Thermostat			
T30C-TC60C	31w1-up, 33w1-up, 67w1-up, 69w1-up, 93w1-up, 38y1-up		1W405	1W9452	389567	1039948	1016730	with Thermostat	1015023	1015670	1017158
						389566	4W1584	7N0529	379497	7N7773	7N510
T25-35D	XN1P / 5GB1-UP		4P1212	N/A	905263						
T40-60D	XN1P / 8EB1 & UP		4P1212	N/A	908293	905264	2W2855	N/A	379497	4W2776	2W2530
T40-60D	XD3P / 2YB1-UP	4W3367	4P3802		908829	908126	2W2855	N/A	9Y1791	7C0642	7W0717
V40-50D, VC60D	XN1P / 3EC1+, 2MC1+		4P1212	N/A	905263	908298	4W2658	8N4623	4W4487	7C0642	2W2531
V40-50D, VC60D	XD3P / 3FC1+, 9RB1+	4W3367	4P3802		908829	905264	2W2855	N/A	379497	4W2776	2W2530
V40-50D, VC60DSA	XN1P		4P1212	N/A	909423	908298	4W2658	8N4623	4W4487	7C0642	2W2531
V60-80D	41x2718+, 41x3049, 75x442+		7N4442	4W7683	349353	909419	4W1584	7N0529	379497	4W2776	5M8135
V60-80E	58A400+, 62A400+		7N4442	4W7683	349353	349354	337645	2W1236	379497	4W4427	8M8336
V60-80E	40x2569+, 41x3050+		7N4442	4W7683	349353	349354	337645	2W1236	379497	4W4427	8M8336
V60-80E	7LB1+, 4ZB1+		7N4442	4W7683	349353	349354	337645	2W1236	379497	4W4427	8M8336
T30C-TC60C	66s1-up		7W2429	7E6792	388971	349354	337645	2W1236	379497	4W4427	8M8336

## NOTES

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## STEERING

Model	Serial #	Steer Axle Assembly #	King Pin	Center Pin	Center Pin Kit	Inner Bearing /Cone	Inner Cup	Outer Bearing /Cone	Outer Cup	Inner Seal	Outer Seal
T25, TC30		307256	45804	N/A	N/A	15524	15525	15523	15525	15532	N/A
T30-60, T30-60B, M30-50	93479	360188	93495	N/A	93690	93691	3N6412	N/A	89646	N/A	N/A
T60-120C, M60-100		394220	394234	395135	N/A	1B3890	1B3891	6272	1B3891	42992	N/A
V30-50		93001	93022	93023	N/A	89647	21212	54834	54835	89646	N/A
V30-50B & C, V55-60B, V30		348935	93022	93023	N/A	89647	21212	54834	54835	89646	N/A
V41-51B, V41-51-60		348935	93022	93023	N/A	89647	21212	54834	54835	89646	N/A
V60-80C		375194	348560	N/A	352455	5P1070	6B3224	7J8210	7J8209	N/A	N/A
MC20-30		301092	301112	N/A	N/A	1M8735	1M8736	93690	93691	89646	N/A
T25-35D	5GB1-UP	902662	903090	N/A	N/A	3N6412	N/A	93690	N/A	89646	N/A
T40-60D	8EB1 & UP, 2YB1-UP	908043	908167	N/A	N/A	7D8349	N/A	1T0434	N/A	6V8407	N/A
V40-50D, VC60D,	4 BC1+ 5AC1+, 4CL1+, 5BC1+, 2NC1+, 9SB1+, T40-60D, 2LC1-up, 9PB1-up	6R6956	6R6961	N/A	N/A	7D8349	7D8348	1T0434	1T0433	6V8407	N/A
T30C-TC60C	31w1-up, 33w1-up, 67w1-up, 69w1-up, 93w1-up, 38y1-up	93479	360188	93495	N/A	93690	93691	3N6412	N/A	89646	N/A
T30C-TC60C	66s1-up	93479	360188	93495	N/A	93690	93691	3N6412	N/A	89646	N/A
T60-120C	33L671, 41L287, 556374, 90M570, 94M319, 18N261, 54Y1, 56Y1, 55Y1 33L 1222, 41L080, 55L837	394234 394220	395135	N/A	N/A	1B3890	1B3891	6272	1B3891	42992	N/A
V40-50D, VC60D	3FC1+, 9RB1+, 3EC1+, 2MC1+	6R6956	6R6961	N/A	N/A	7D8349	7D8348	1T0434	1T0433	6V8407	N/A
V60-80D	37W1+, 40x1+, 74x1+, 41x1+, 75x1+	375194	348560	352455	N/A	5P1070	6B3224	7J8210	7J8209	N/A	N/A
V60-80D	41x2718+, 41x3049, 75x442+	396425	382308	N/A	N/A	5P1070	6B3224	7J8210	7J8209	N/A	N/A
V60-80E	58A400+, 62A400+	396425	382308	N/A	N/A	5P1070	6B3224	7J8210	7J8209	N/A	N/A
V60-80E	37W2525+ 37W2767	396425	382308	N/A	N/A	5P1070	6B3224	7J8210	7J8209	N/A	N/A
V60-80E	40x2569+, 41x3050+	396425	382308	N/A	N/A	5P1070	6B3224	7J8210	7J8209	N/A	N/A
V60-80E	7LB1+, 4ZB1+	396425	382308	N/A	N/A	5P1070	6B3224	7J8210	7J8209	N/A	N/A
GC15, 18	2EM, 3EM	1058197	1015839	1015836	N/A	1016720	N/A	1016723	N/A	1014809	N/A
GC20, 25, 30	4EM, 5EM, 6EM	1112911	1040074	1040324	N/A	1041262	N/A	1041261	N/A	1040071	N/A
GC15	7EM	1015841	1015839	1015836	N/A	1016720	N/A	1016723	N/A	1014809	N/A
GP15, 18	3AM, 4AM	1040339	1040074	1040324	N/A	1016720	N/A	1016723	N/A	1014809	N/A
GP15, 25	5AM, 6AM	1040089	1040074	1040324	N/A	1041262	N/A	1041261	N/A	1040071	N/A
GP15, 18	3AN, 4AN, 3AP	1040339	1040074	1040324	N/A	1016720	N/A	1016723	N/A	1014809	N/A
GP15, 20, 25	5AN, 6AN, 5AP, 6AP	1040339	1040074	1040324	N/A	1016720	N/A	1016723	N/A	1014809	N/A
GP30, 35	7AM, 8AM	1042321	1040074	1040324	N/A	1041262	N/A	1041261	N/A	1040071	N/A
GP30, 35	7AN, 8AN, 7AP	1042321	1040074	1040324	N/A	1041262	N/A	1041261	N/A	1040071	N/A
GP, GPL40 (2 SPEED)	CM, 2CM	1033415	1033411	1033409	N/A	1032322	N/A	1032324	N/A	1033027	N/A
GP, GPL40 (2 SPEED)	CP, 2CP	1033415	1033411	1033409	N/A	1032322	N/A	1032324	N/A	1033027	N/A
GP, GPL40 (2 SPEED)	CN, 2CN	1033415	1033411	1033409	N/A	1032322	N/A	1032324	N/A	1033027	N/A
GP, GPL40 (1 SPEED)	CM, 2CM, CP, 2CP, CN, 2CN	1033415	1033411	1033409	N/A	1032322	N/A	1032324	N/A	1033027	N/A

## NOTES

# Clark—Quick Reference

## TUNE-UP

Model	Serial Number From	Serial Number To	Distributor OEM	Cap	Rotor	Wire Set	Spark Plugs	Tune-up Kit	Points	Condenser	Air Filter	Oil Filter	Transmission Filter	Hydraulic Oil Filter
235	1171	3675		891771	X	1811338	913628	1800790			668788	990936	990937	1810620
235	3676	6155		998602	X	1811338	913628	1811040			668788	990936	990937	1810620
355	1083	1233		891771	X	1810436	913628	1800790			668788	990936	990937	1810437
355	1234	2503		998602	X	1810436	913628	1811063			668788	990936	990937	1810437
355	2504	3609		891771	X	1810436	913628	1800790			668788	990936	990937	1810437
355	3610	5765		998602	X	1810436	913628	1811063			668788	990936	990937	1810437
356	1236	1700		998602	X	1810973	913628	1811040			668788	990936	990937	1810143
356	2951	3420		891771	X	1810973	913628	1800790			668788	990936	990937	1810143
356	3421	5880		998602	X	1810973	913628	1811040			668788	990936	990937	1810143
685 Continental Engine	1157	1219		891769	X	1811318	913628	1800790			889098	990936	990937	1810889
685 Continental Engine	1232	1630		998971	X	1811318	913628	1811040			668788	990936	990937	1810437
685 Continental Engine	1710	1800		998602	907814	1811957	913639	N/A			668788	990936	990937	1810437
685 Continental Engine	2174	3430		891769	X	1811318	913628	1800790			668788	990936	990937	1810437
685 Continental Engine	3565	5700		998971	X	1811318	913628	1811040			668788	990936	990937	1810437
685 Continental Engine	5955	8710		998602	907814	1811957	913639	N/A			668788	990936	990937	1810437
685 Continental Engine	8785	9070		917433	917436	1811957	913639	N/A			668788	990936	990937	1810437
915 Continental Engine				998971	X	1811318	913628	1811040			886525	990936	990937	1810374
C365	9393	9464		3779914	916006	920989	909377	N/A			2791707	918648	2786616	919996
F235	All	All		891771	X	1811338	913628	1800790			668788	990936	990937	1810620
FY235	All	All		891771	X	1811338	913628	1800790			668788	990936	990937	1810620
G127	6750	9125		3779914	909353	3779945	909377	N/A			2373789	909213	2792962	2366807
G127	9235	9237		3779914	909353	1811866	909377	N/A			2373789	909213	2792962	2366807
G138I	1765	8255		914598	910514	1811761	913634	N/A			2373789	899839	247050	2366807
G138MB	1670	6478		379914	909353	1811616	909377	1811585			2373789	909213	2791199	2366807
G138MB	6630	Up		379914	909353	1811616	909377	N/A			2373789	909213	2791199	2366807
G138MC	1666	6473		379914	909353	1811616	909377	1811585			2373789	909213	2791199	2366807
G138MC	6635	Up		379914	909353	1811616	909377	N/A			2373789	909213	2791199	2366807
G138WC	1661	6086		908602	998601	1811480	913628	N/A			2373789	906540	247050	2366807
GCX-230C	All	All		914598	910514	1811761	913634	N/A			2373789	909213	2791199	2366807
GP127	6950	9242		3779914	909353	1811866	909377	N/A			2373789	909213	2792962	2366807
GP138I	1770	9267		914598	910514	1811761	913634	N/A			2373789	899839	247050	2366807
GP138MB	1685	6488		379914	909353	1811616	909377	1811585			2373789	909213	2791199	2366807
GP138MB	6645	7395		3779914	909353	1811616	909377	N/A			2373789	909213	2791199	2366807
GP138MC	1681	6482		3779914	909353	1811616	909377	1811585			2373789	909213	2791199	2366807
GP138MC	6640	9272		3779914	909353	1811616	909377	N/A			2373789	909213	2791199	2366807
GP138WC	1676	6091		998602	998601	1811480	913628	N/A			2373789	906540	247050	2366807
GPX127E	9351	Up		3779914	916006	920990	909377	N/A			2373789	909213	2791199	2366807
GPX230	7595	9520		3779914	909353	1811917	909377	N/A			2373789	909213	2791199	2366807
GPX230C	8560	Up		914598	910514	1811761	913634	N/A			2373789	909213	2791199	2366807
GPX230E	9230	9367		3779914	910514	1811761	913634	N/A			2373789	909213	2791199	2366807
GPX710U	All	All		917433	917436		909378	N/A			886525	910535	990937	7321991
H355	1084	3136		891771	X	1810436	913628	1800790			668788	990936	990937	1810437
H685	1174	3040		998971	998601	1810274	913628	1811040			899098	990936	990937	1810889
HY355	1088	3231		891771	X	1810436	913628	1800790			668788	990936	990937	1810437
HY685 Continental Engine	1176	3056		891769	X	1810274	913628	1800790			889098	990936	990937	1810889
IT30	603	2297	Delco	891771	X	1810086	993628	1800790			899098	990936	990937	1810143
IT30	603	2297	Prestolite	998602	X	1810086	993628	1811040			899098	990936	990937	1810143
IT355	3096	5060	Delco	891771	X	1810196	993628	1800790			899098	990936	990937	1810143
T355	3096	5060	Prestolite	998602	X	1810196	993628	1811040			899098	990936	990937	1810143

# Clark—Quick Reference

## TUNE-UP cont.

Model	Serial Number		Distributor OEM	Cap	Rotor	Wire Set	Spark Plugs	Tune-up Kit	Points	Condenser	Transmission			Hydraulic Oil Filter
	From	To									Air Filter	Oil Filter	Filter	
IT40	603	837	Delco	891771	X	1810196	993628	1800790			899098	990936	990937	1810143
IT40	603	837	Prestolite	998602	X	1810196	993628	1811040			899098	990936	990937	1810143
IT40	890	2297	Delco	891771	X	1810086	993628	1800790			899098	990936	990937	1810143
IT40	890	2297	Prestolite	998602	X	1810086	993628	1811040			899098	990936	990937	1810143
IT581	1168	3091		992069	992068	1810862	995609	N/A	992067	996619	886525	990936	990937	1810528
IT581	3280	Up		899850	X	996397	995609	1811424			886525	990936	990937	1810528
IT60	531	746		857852	1800772	888363	913628	N/A	891764	853628	886525	854570	N/A	887764
IT60	860	890		891769	1786526	1810274	913628	N/A	896952	891764	886525	854570	N/A	887764
P365	9396	9466		379914	916006	920989	909377	N/A			2791707	918648	2786616	919996
PH365	9426	9438		379914	916006	920989	909377	N/A			2791707	918648	2786616	919996
Y235	1087	6375		891771	X	1811338	913628	1800790			668788	990936	990937	1810620
Y355	1116	1225		891771	X	1810436	913628	1800790			668788	990936	990937	1810437
Y355	1223	1690		998602	X	1810436	913628	1811063			668788	990936	990937	1810437
Y355	2512	3527		891771	X	1810436	913628	1800790			668788	990936	990937	1810437
Y355	3615	5825		998602	X	1810436	913628	1811063			668788	990936	990937	1810437
Y466	3406	3410	4 Cylinder	891771	X	1810973	913628	1800790			668788	990936	247050	997393
Y466	3605	5225	6 Cylinder	891769	X	1811318	913628	1800790			668788	990936	247050	997393
Y466	3605	5225	4 Cylinder	998602	X	1810973	913628	1811040			668788	990936	247050	997393
Y685 Continental Engine	1158	1586		891769	X	1811318	913628	1800790			668788	990936	990937	1810437
Y685 Continental Engine	1590	1805		998602	907814	1811957	913639	N/A			668788	990936	990937	1810437
Y685 Continental Engine	2204	5426		891769	X	1811318	913628	1800790			668788	990936	990937	1810437
Y685 Continental Engine	5480	8715		998602	907814	1811957	913639	N/A			668788	990936	990937	1810437

## NOTES



# Clark—Quick Reference

## BRAKES

Model/Series	Brake Shoe	Wheel Cylinder	Wheel Cylinder Repair Kit	Brake Adjuster	Master Cylinder	Master Cylinder Repair Kit	Inclining Master Cylinder	Inclining Master Cylinder Repair Kits
C, CF, CFY, CY30-50B	124554	121890	853174	124551	851820	850788		
C500-235, C500-Y235	124557	121891	858360	124551	1319361	991168	899499	899500
C500-235, C500-Y235	124555	121890	853174	124551	1319361	991168	899499	899500
C500-F235, C500-FY235	124557	121891	858360	124551	893239	893240	899499	899500
C500-F235	124557	121890	853174	124551	893239	893240	893239	893240
C500-Y355, C500-355	124554	121892	853174	124551	899499	899500	899499	899500
C300-356, C500-E355, C500 (H, HY355)	124554	121892	853174	124551	881820	850788		
EC, ECLS20-25, C500-E235	124557	121892	858360	124551	669814	850788		
G, GP138MB	2791593(4)	909092	3790483	3790484	2389936	1811834		
G, GP127	1811818	910980	912555	910986	2775681	1811913	2775681	1811913
GX-GPX230	2791593	3788000	3790483	3790484	2779923	914944	2775681	1811913
G, GPX 230C	2791593	2809974	3790483	3790484	2779923	914944	2775681	1811913
GX 230E	2791593	3788000	3790483	3790484	2779923	914944	2775681	1811913
C356L, P365G	2800017	920210	920211	920212				
C60-120B	914979*	1659538*	992757	1301093	1659539	1660103	1830604	1830603
CY60-80B				730965				
CH60-120B	914979*	1659538*	992757	1301093	1659539	1660103	798695	885111
CFY, CHY, CF60-80B				730965				
C500-685, Y685, 915	914979	1659538	992757	13101093	1659539	1660103	1757015	861318
C500-H685				730965			992651	1811355
HY685, H915	314979	1659539	992757	1301093	1659539	1660103		
GPX710U	4320502			730965			4931528	914944
GX710U	1832236						4319528	914944
GPX711, 715							4919528	914944
C500-E, EY685, E685SV	914979	1659538*	992757	1301093	1659539		1613256	869449
C500-E912	914979	1659539	992757	1301093	1659539	1660103	1779790	857949
			730965					
G, GP138MC, WC, I	238609	224772	802051	2388179	909423			

## NOTES

# Clark—Quick Reference

## STARTERS

Model	Engine-Transmission	Part #	Type
C, CF20-25B	Continental 238-392	1107091	Dry
		329416	
C, CY30-50B	Continental 177-419	625705	Dry
		664862	
		888843	
CY, CFY20-50B	Continental 382-504	1109438	Dry
	Continental 433-555	999666	
C, CFY40-50B	Continental 419-584	789323	Dry
CY, CFY40-50B	Continental 467-557		
CFY60-80	Continental 430-559		
CY, CFY60-80	406-569		
Y80-Y200, IT60	746		
C, CF20-25B	Continental 585-708	1109086	Dry
CY, CFY20-30B	Continental 588+	999665	Dry
C, CF, CY, CFY40-50B	Continental 586-855	316595	Dry
C, CF, CY< CFY60-82	Continental 542-677	326092	Dry
C, CY100-200	Continental 611-669		
C, CF20-25B	Continental 731+	1109091	Dry
C, CF, CY30-50B	Continental 893+	2377359	Dry
CY, CFY40-50B	Continental 893+	2355694	Dry
C, CF60-80	Continental 701+	636180	Dry
CFY60-80	Continental 710+		
IT30-40	Continental 762+		
F, Y, FY235, 356, Y466			
C100-120			
CY100-140	Continental 743+		
	Continental 999+		
355 H, Y, HY355	Waukesha Gas	1109090	Oil
CH60-80, 685	Waukesha Gas	2377360	Oil
H, Y, HY685	Continental Waukesha	2355693	Oil
CHY100-140	Continental Waukesha	1636179	Oil
915, H915, Y1015	Continental Waukesha		
	Continental 2000+Waukesha		
	Continental 200+Waukesha		
355	Waukesha-Diesel	1108693	Oil
H, Y, HY355	2512+	1686639	Oil
HY, 685	Perkins Diesel	1108696	Oil
	2153+		
915, H915	2534+	1763545	Oil
Y1015	3695+		Oil
355	Perkins Diesel	1108694	Oil
H, Y, HY355	2514+	1719166	Oil
685, H685	2512+		
	2152+		
IT35	Continental	1109422	Oil
HY1425	Continental	2355692	Oil
HY1830	Continental	391632	Oil
IT581	Ford	1108419	Dry

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## STARTERS cont.

Model	Engine-Transmission	Part #	Type
Y1015	3280+Waukesha	2355695	Dry
		999667	
		992710	
		990154	
IT581	Perkins	1113653	Dry
Y1015	3280+Diesel	1778844	Dry
HY1625	GM, Perkins	1767120	Dry
Y, HY2030	Diesel		
Y2030, HY2030	Waukesha	1767219	Dry
		2355696	
G, GP138MB, MC	Mitsubishi	909329	Dry
G, GP138MB, MC	Mitsubishi	911410	Gear Reduction
G, GP138MB, MC	Mitsubishi	911410N	Nippondenso 50 Dry
GX, GPX230, GP127			
685	Perkins Waukesha	1998485	Oil
Y685		2385010	
G, GP138WC	Waukesha	1998382	
		2377362	
G, GP138I	Continental TM27	909951	Gear Reduction
G127	Mitsubishi	3790819	

## ALTERNATORS

Model	Engine	Part #
G127	4G32 / 4G33	3768011
GX, GPX230	4G54	2399511
235, F235	Y112	2383064
Y235	F163	2383064
355, H355	D155 Waukesha	567252
355, Y355	D176 Waukesha	2383064
685 Thru Lot 5480	F227	567252
685 Lot 5481 & Above	G4.236	2399509
Y685 Thru Lot 5480	F245	567252
Y685 Lot 5481 & Above	G4.236	2399509
915	F245	2383064
Y1015 Thru Lot 3819	F245	2314007
Y1015 Lot 3820 & Above	IND 300	2354002

## NOTES

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# Clark—Quick Reference

ENGINE		
Model	Engine Manufacturer	Engine Model
235, F235	Continental	Y112
C30- 40-50B	Continental	F163
Y-FY235	Continental	F163
355, H355	Waukesha	D155 (Later model may have D176)
HY-Y355	Waukesha	D176
HY-Y355D	Perkins	4.203
IT355	Continental	F163
356	Continental	F163
Y466	Continental	F163
Y466D	Perkins	4.154
IT581 Thru Lot 3279	Chrysler	Slant 6
IT581D	Perkins	4.236
685 Thru Lot 5480	Continental	F227
685 Lot 5481 & Above	Perkins	G4.236
H685	Continental	F227
HY685	Continental	F245
Y685 Thru Lot 5480	Continental	F245
Y685 Lot 5481 & Above	Perkins	G4.236
685D	Perkins	4.203
Y685D	Perkins	4.236 & 4.248
GX-GPX710U	Perkins	G4.236
GX-GPX710U (Diesel)	Perkins	4.248
GPX711	Perkins	4.248
915, H915	Continental	F245
915D, H915D	Perkins	4.236 & 4.248
Y1015 Thru Lot 3819	Continental	F245
Y1015 Lot 3820 & Above	Ford	IND 300
HY1015	Continental	F245
Y1015D	Perkins	4.236 & 4.248
Y1065	Ford	IND 300
Y1065PD	Perkins	6.354
Y1065D	Detroit	4.53
Y-1625	Chrysler	LH-318
Y1625D	Perkins	6.354
Y1625D	Detroit	4.53
Y1830D	Detroit	4.53
Y2030PD	Perkins	6.354
HY-Y2030	Chrysler	LH-318
G-GP127	Mitsubishi	4G32 / 4G33
GX-GPX127E	Mitsubishi	4G63
G-GP138WC	Waukesha	D176
G-GP138MB	Mitsubishi	4G54
G-GP138MC	Mitsubishi	4G54
G-GP138I	Continental	TM27
G-GP138I (Diesel)	Continental	TMD27
GX-GPX230	Mitsubishi	4G54
GX-GPX230C	Continental	TM27
GX-GPX230C (Diesel)	Continental	TMD27
GX-GPX230E	Mitsubishi	4G64
C-CH365	Mitsubishi	4G64
P-PH365	Mitsubishi	4G64
CF20/CF25		Y112

# Clark—Quick Reference

## COOLING

Model	Engine/Serial #/LOT #	Water Pump Gasket	Water Pump	Water Pump Kit	Upper Hose	Lower Hose	Thermostat	Thermostat Gasket	Radiator Cap	Fan Blade	Belt
C500-F235, C500-FY235	2201-2238	850650	865707	991203	1774433	1783931	893051	850626	525318	661912	1318618
C500-F235	2201-2238	850650	865707	991203	1774433	1783931	893051	850626	525318	661912	1318618
C, CF, CFY, CY30-50B	2051+	851190	874617	868619	748536	664735	797445	850626	525318	650736	668774
CY60-80B	611-780	851190	881920	868619	771874	771875	797445	850626	863364	324465	763252
CH60-120B	2559+	851190	881920	868619	771874	771875	797445	850626	863364	324465	763252
CFY, CHY, CF60-80B	2077+	851190	881920	868619	332526	332527	797445	850626	863364	324465	1304405
C60-120B	542+	851190	891276	868619	332526	332527	797445	850626	863364	324465	1304405
C500-685,	2152-2203	851190	899970	868613	1756984	1756997	797445	850626	863364	324465	670199
C500-H685	2152+	851190	899970	868613	1756984	1756997	797445	850626	863364	324465	670199
G, GPX 230C	8530+	907428	907425	907429	2396737	2373826	907438	914526	2775440	2398121	2373888
G, GP138MC, WC, I	5525+	890959	907627	907792	2359125	2359127	907638	907386	907560	2328667	2359137
G, GP138MB	5521+	909305	909301	N/A	2390951	2390952	909311	909310	907560	2398122	2740163
GX-GPX230	7170+	909305	909301	N/A	2390951	2390952	909311	909310	907560	2398122	2740163
GX 230E	9225+	909305	918857	N/A	2792613	2792614	909311	911165	2774743	2789482	2798365
C356L, P365G	9363+	3725597	920230	994881	2796337	2796338	920235	4321616	2774723	2807976	2802524
GPX710U	9077+	NSS	922800	N/A	4321468	4318531	3480303	3725577	4324990	4321431	4323312
GPX711, 715	9506+	NSS	923365	N/A	2808107	2808108	923250	923249	922854	2798598	923228
C500-Y355, C500-355	2510-2520	890959	991084	890960	1685042	1685065	890999	895389	525318	1704274	670199
Y685, 915	2153-2204	851190	992340	868619	1757008	771875	797445	850626	863364	324465	1308322
HY685, H915	2164+	851190	992340	868619	1757008	771875	797445	850626	863364	324465	1308322
C300-356, C500-E355, C500 (H, HY355)	2544-2559	890959	993918	994008	1685064	1685065	2311327	993982	525318	1704274	670199
C500-235, C500-Y235	2266-2895	851190	993922	868619	1778186	1778185	893051	850626	525318	2392692	668774
G, GP127	6330 +ENG SERI# AA0001-FF4564	3779941	3768063	N/A	2395548	2395549	911166	911165	2775440	2395484	3790816
G, GP127	6330+ENG SER # AA0001-FF4565-ABOVE	3779941	3768063	N/A	2395548	2395549	911166	911165	2775440	2395484	913259
GX710U	9308+	NSS	4313313	N/A	4321468	4318531	3480303	3725577	4327106	3798598	N/A

## NOTES



# Hyster—Quick Reference

## TUNE-UP

Model	Serial #	Serial # Break	Engine	Fuel	Spark Plugs	Wire Sets	Cap	Rotor	Tune-Up Kit	Air Filter	Oil Filter	Transmission Filter	Hydraulic Filter
H25-35XL	B010		Mazda M4-121G	Gas /LP	3002288	3052990	326836	326837	3000657	326483	324692	309112	313796
H40-60XL	A177		Mazda M4-121G	Gas /LP	3002288	3052990	326836	381353	3000657	326483	324692	309112	313796
H40-60XL	B177	First Used On B177B-1501	Mazda M4-121G	Gas /LP	3002288	1326543	1326394	1326395	X	326483	324692	309112	313796
H40-60XL	C177	First Used On C177B-1501	GM 4-181	Gas /LP	281844	1329534	1334400	1334403	X	305080	127644	1328692	1327917
H40-60XL	C177	First Used On C177B-1501	Mazda M4-121G	Gas /LP	3002288	1326543	1326394	1326395	X	326483	324692	1328692	1327917
H40-60XM	D177		Mazda M4-121G	Gas /LP	1361837	1361840, 1361841, 1361842, 1361843	1326394	1362035	X	305080	324692	1328692	1337159
H40-60XM	D177		GM 4-181	Gas /LP	281844	1337666	1334400	1334403	X	1334847	127644	1328692	1337159
S25-35XL	C001		Mazda M4-121G	Gas /LP	3002288	3052990	326836	326837	3000657	326483	324692	1328692	1360557
S30-50E	D002	First Used On D2D-4328	GM 4-153	Gas /LP	281844	323542	288042	281846	X	234719	127644	253264	190786
S40-60XL	A187		GM 4-153	Gas /LP	281844	323542	288042	281846	996105	326483	127644	1328692	1337159
S40-60XL	A187		Mazda M4-121G	Gas /LP	3002288	3052990	326836	326837	3000657	326483	324692	1328692	313796
S40-60XL	B187	First Used On B187V-1501	GM 4-181	Gas /LP	281844	1329534	1334400	1334403	X	234719	127644	1328692	1327917
S40-60XL	B187	First Used On B187V-1501	Mazda M4-121G	Gas /LP	3002288	1326543	1326394	1326395	X	326483	360974	1328692	1327917
S40-60XL	C187		GM 4-187	Gas /LP	281844	1329534	1334400	1334403	996104	305080	127644	X	1360557
S40-60XL	C187	First Used On C187V-1501	Mazda M4-121G	Gas /LP	3002288	1326543	1326394	1326395	996103	326483	324692	X	1360557
S60-120E	C004	First Used On C4T-1519, C4D-2794 Except 2896, 2842 Thru 2846	GM 6-250	Gas /LP	281844	285365	288033	281846	X	149294	127644	253264	78122
S60ES	D002	First Used On D2D-4328	GM 4-153	Gas /LP	281844	323542	288042	281846	X	234719	127644	X	190786

## BRAKES

Model	Brake Shoe	Wheel		Wheel Cylinder	Master Cylinder	Master Cylinder
		Cylinder LH	Cylinder RH	Repair Kit	Cylinder	Repair Kit
S20-30A, H20-30E	327345(2)	173875	173875	28366	304184	307812
S30-50C, B	53614A	54706A	54707A	54710A	Submit Serial #	Submit Serial #
S30-50E, S60ES (D2D94831-)	327116(2)	327102	327102	197519	183218	193180
S40-50F, S60ES, (D2D9484+)	316414(2)	327103	327103	197519	183218	193180
S60-100E	213113(2)	327103	327103	197519	183218	193180
H60-80C, H30-60F, H	162135	200141A	200141A	200160A	Submit Serial #	Submit Serial #
H60-110E	192481(2)	200141A	200141A	200160A	289827	326931
S25-35XM	1367880	1367762	1367763	1367876	1367876	2021336
H25-35XL, S25-35XL	345936	345938	345374	345937	309644	321784
H40-60XL	1363007 (2)	321917	321917	197519	309644	321784
S40-60XL	1363007 (2)	321917	321917	197519	309644	321784
H70-110XL	162135	200141A	200160A	162139 (Right)	1300280	375654
S70-120XL				162140 (Left)		
H135-155XL	374549 (Left)	374700	374700	1300917	377633	319145
F6A3185+	374539 (Right)	131904	131904	1321373	1347574	1347557
H45-65XM	1358223	1334648	1334647	1334646 (Left)	1347048	1355305
S40-60XM				1334645 (Right)		

# Hyster—Quick Reference

## STARTERS

Model	Engine	Part #	Type
S20-30A	Continental-power shift	1109093	Dry
H20-30E	Continental-power shift	335861	Dry
H60-80C	Continental C5D13555-power shift	282661	Dry
	Continental C5E5451-power shift	170236	
	Continental C5H1600-power shift	118616A	
	Continental C5S2973-power shift		
	Continental C5T6809-power shift		
H100-150C	Continental ALLS/N		Dry
H110-150F	Continental D6D2796-power shift		Dry
	Continental D6S1643-power shift		
	Continental D6T1557-power shift		
S30-50C	Continental C2D12399-power shift		Dry
	Continental C2T2420-power shift		
S60-100B	Continental C2S2087-power shift		Dry
	Continental B4A3373-power shift		
	Continental B4D5014-power shift		
S125-150A	Continental B4T1863-power shift		Dry
	Continental A17A2424-power shift		
	Continental A17D2147-power shift		
	Continental A24D3633-power shift		
S30-50B, C	Continental Standard	1109094	Dry
S60-100B	Continental Standard	335862	Dry
S125-150A	Continental Standard	282662	Dry
H60-150C	Continental Standard	170237	Dry
H100-150F			
H150-250E	305-V6	1107297	Oil
H150-275H	305-V8	282664	Oil
P150-200B	305-V8	170239	Oil
		98597A	
H30-60H	Ford	1109095	Oil
S30-50B, C	Continental Standard	335863	Oil
S60-100B	Continental Standard	282663	Oil
S125-150A	Continental Standard	170238	Oil
H60-150C	Continental Standard	119852A	Oil
H110-150F	Continental Standard	119852	Oil
H30-60F	Continental	1108390	Oil
		162906	
		296840	
H30-60H, S40-60XL	Chevy power shift	1998293	Oil
S30-50E, S40-50F		335867	
H40-50J-60JS		284074	
S60-120E, H60-100E		191848	
H110-150F	D6D4086+	1109097	Oil
	D6S1783+	282665	
	D6T1769+	335865	
		172081	
H30-60H	Perkins	1107582	Oil
H30-60F, H40-50J, H60JS, H60-100E, H110-150F,	Perkins	136125	Oil
P40-80A, S60-100B, S125-150A, H110-150C			
H25-35XL	Mazda/Gas	388040	Dry
S20-35XL		326875	



# Hyster—Quick Reference

## STARTERS cont.

Model	Engine	Part #	Type
H25-60XL, S25-60XL	Mazda/Diesel	323918	Gear Reduction
H70-155XL	GM	353221	Oil

## ALTERNATORS

Model	Engine	Part #
S40-60XL	GM	339599
S30-100E	GM	241347
P40-80A	GM	302823
H40-60H	GM	304253
H110-150F	GM	322175
H150-275H	GM	341681
H25-30XL, H40-60XL	Mazda	326855
S30-35XL, S40-60XL	Mazda	326855

## COOLING

Model	Engine/Serial #	Water Pump Mounting Gasket	Water Pump	Water Pump Kit	Upper Hose	Lower Hose	Thermostat	Thermostat Gasket	Radiator Cap	Fan Blade	Belt
S20-30A, H20-30E	CONT-F135 & F163	109335	169246	161647	145817	143896	128597	109321	119055	198999	121162
S30-50C, B	CONT-F135 & F163	109335	169246	161647	145817	143896	128597	109321	119055	198999	121162
H60-80C, H30-60F, H	CONT-F-245	NSS	169247	N/A	66746	145817	109322	109321	119055	277975	111107
S30-50E, S60ES (D2D94831-)	With 4-143GM Engine	160372	244943	N/A	225470	223974	231522	127915	178899	248040	191845
S60-100E	Last used on S/N C4D-2873	160372	244943	N/A	228834	228836	231522	375675	178899	248066	248069
S60-100E	First used on S/N C4D-2874	160372	279683	N/A	228834	228836	231522	375675	178899	248066	248069
H60-110E	C4D-W/GM Engine	160372	279683	N/A	289942	289945	231522	149883	178899	292867	289952
H25-35XL, S25-35XL	MAZDA VA	NSS	326774	1374248	300841	333032	326792	326794	178899	326801	981885
H40-60XL	MAZDA VA	NSS	326774	1374248	300841	333032	326792	326794	178899	326801	981885
S40-60XL	MAZDA VA	NSS	326774	1374248	300841	333032	326792	326794	178899	326801	981885
H70-110XL	All GM Engine	263828	381355	N/A	1360152		231522	1330725	178899	1356963	353393
S70-120XL	2KM 1992 Series Engine	263828	381355	N/A	1360152	352490	231522	1330725	178899	1356963	353393
H135-155XL	All GM Engine	263828	381355	N/A	344366	1380854	1358540	1339152	178899	148891	353393
H45-65XM	2.2L Engine	1358536	1358529	864848	1339271	1339272	1358540	1339152	1352140	1347051	1360734
H45-65XM	2.0L Engine	NSS	1361811	N/A	1368949	1339634	1361820	1367191	1352140	1361817	1361847
S40-60XM	2.0L Engine	NSS	1361811	N/A	1371401	1351527	1361820	1367191	1352140	1361817	1384008
S70-120XL	3KM 1993 Series Engine	1374306	1371227	N/A	1360152	352490	1374109	1374110	178899	1356963	353393
S70-120XL	4LM 1994 Series Engine	1374306	1371227	N/A	1360152	352490	1374109	1374110	178899	1356963	353393
H45-65XM	3.0L Engine	1374306	1377127	N/A	1375132	1335133	231522	1330725	1352140	1375642	188643
S70-120XL	5LM 1995 Series Engine	263828	1377786	N/A	1360152	352490	1374109	1374110	178899	1356963	353393
S70-120XL	6XL 1996 Series Engine	263828	1389100	N/A	1360152	352490	231522	1330725	178899	1356963	353393
S70-120XL	7XL 1997 Series Engine	263828	1450794	N/A	1360152	352490	1450643	1330725	178899	1356963	353393
S25-35XM	C10 Series	NSS	2022312	2022319	2022843	2022842	1361820	1367191	2022397	1361817	1368841

## NOTES

# Hyster—Quick Reference

ENGINES			
MODEL	Engine OEM	Serial #	Engine Model
H30-60H P40-50A S30-60ES	GMC	All serial numbers w/ gasoline engine	153
H110-150F H60-100E S60-100E H20-30E	GMC	All serial numbers w/ gasoline engine	250
KE S30-50B H30E S30-50B S30-50C	Continental	All gasoline truck w/ engine assy. #180963 (F-Head Engine)	F135
H60-80B H60-80C P60-80A S60-80A S60-80B H60-80B	Continental	All gasoline trucks w/ diagonal fuel pump mounting bolt	F162
H60-80C P60-80A S60-80A S60-80B H60-80B	Continental	All gasoline trucks w/ horizontal fuel pump mounting bolts	F163
H60-80C P60-80A S60-80A S60-80B H60-80B	Continental	All gasoline trucks w/ engine assy. #180966.	F226
H60-80C P60-80A S60-80A S60-80B H60-80B	Continental	All w/ Cont. spec #'s 1313, 1353,1354, 1394,1446, 1515, 1625, 1626, 1660, 1694, 1695	F226
H60-80C P60-80A S60-80A S60-80B H60-80B	Continental	All gasoline trucks w/ engine assy. #'s 182568, 182569, 182570, 182571, 246877, 246878, 153071, 281031, 281054, 281032, 281034, 281035, 281053.	F227
H60-80C P60-80A S60-80A S60-80B H25-60XL H25-50XL	Continental	Also w/ Cont. engine spec #'s 8001, 8002, 8003, 8004, 8005, 8006, 8007, 8011, 8015, 8016, 8017, 8018, 8110, 8112, 8113, 8132,	F227
H100-150C S100B S125-150A H100-150C S100B S125-150A H20-25E	Continental	All gasoline trucks w/ engine assy. #'s 180967, 180968.	VA M4-121G
S100B S125-150A H100-150C S100B S125-150A H20-25E	Continental	All w/ Cont. engine spec #'s 282, 283, 301, 321, 347, 348, 288, 289, 318, 339, 340, 397, 398	F244 F244
H100-150C S100B S125-150A H20-25E	Continental	All gasoline trucks w/ engine assy. # 281056:	F245
S100B S125-150A H20-25E	Continental	All w/ Cont. engine spec. #'s 8003, 8008, 8011, 8012, 8016, 8017, 8047, 8059, 8064, 8065, 8004, 8005, 8006, 8007, 8009, 8010, 8013, 8014, 8015, 8023, 8044, 8069, 8521	F245
H20-25E	Continental	All gasoline trucks w/ engine assy. #'s 147204, 147205, 266489, 275400, 275401, 275402, 281040, 281041, 281058.	Y112
S20-30A	Continental	All w/ Cont. spec. #'s 967,968, 979, 983, 984, 1000, 1007, 1008, 1010, 1011, 8001, 8002, 8041, 8042, 8071, 8072, 8082, 8083, 8503, 8504	Y112

**NOTES**

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# Kalmar AC—Quick Reference

## BRAKES

Model	Brake Shoe	Wheel Cylinder	Wheel Cylinder Repair Kit	Brake Adjuster	Master Cylinder	Master Cylinder Repair Kit
ACC, ACP20-30	74807349	74717072	74987792	74769887	74833142	74907167
ACC, ACE35-55 & 20-30, F, FL 30-50	74807349	74717072	74987792	74769887	74713374	74984201
ACP40-50, ACC, ACE60-80, ACP40-50, FP 40-50	74873421	74717072	74987792	74769887	74713374	74984201
ACP60-80	74829358 (4)	74906120	74906154		74824971	74906628
C, P40-60X	74921244 (4)	74920078	74920080	74920657L 74920658R	78626358	74916571
C, P40-60WQ	74917989 (Common) 74917990 (Left) 74917991 (Right)	74917995		74917997	78626358	74916571
C, P40-60 (Nissan H20)	74940946 (Front) 74790947 (Rear)	74940945	74941605	74941607L 74941610R	74941000	74942575

## ALTERNATORS

Model	Engine	Part #
F, FL, FP, FPL, 10-50	G153 All	74812639
F, FL, FLS 60-80	G230 All	
F, FL100	G230 All	
ACC & ACP 60-80	Continental AHD Serial #S	74883374
ACC & ACP 60-80	Continental AHD Serial #S	74911500
P40-60 XG	Continental S/N 99062 & up Mitsubishi 30511416	74920223

## STARTERS

Model	Engine	Part #
ACC, ACP20-25-30	Standard & Auto, Continental	71109086
ACC, ACP20-120	Standard & Auto, Continental	78625404
ACC60-80 K, KF, KS, HC	Standard & Auto, Continental	74885883
ACC 100-120 KG, KL	Standard & Auto, Continental	74848888
ACC35-55K	S/N30131172+,	71109431
ACP40-50K	S/N ANN-G-427, Continental	74885882
ACC60-80 KG	S/N ANN-G-427, Continental	74885882
ACC60-80	Ford Special	71108416
ACP60-80	Auto, G230	74841602
ACC60-80	ABA74058-, G230	71170296
ACC60-80	ABA74058-, G230	74799790
ACP60-120	ABA74058-, G230	74810862
ACC, ACP60-80 N	Waukesha	74915413
ACC 100-120 RG	Waukesha	74915413
C 40-60 XG, WQ	Mitsubishi	74820209
P 40-60 XG, WQ	Mitsubishi	74820209
C 40-60 XD	D426 Diesel -Gear Reduction	74820351
C, P25-30		74948522
C, P25-30		74942421

# Kalmar AC—Quick Reference

## ENGINE

Model	Serial / Lot #	Engine OEM	Engine Model
ACC20-30		Waukesha 2 Gear only	FC
FT20-25			
FTB 30			
ACC35-55	Trucks built before 1972 w/OH valves.	Allis Chalmers	G153
ACC60 THRU ACC100	Trucks built before 1972 w/OH valves. All gasoline trucks.	Allis Chalmers	G230
F(FL) 60-80			
FCL60-70			
FP60-80			
ACC(ACP)60-120	All gasoline trucks w/spec.#'s: 8157, 8163, 8501, 8515, 8525, 8526,8518, 8519	Continental	F245
ACC(ACP)60-120		Continental	F163
C(P)40-60X		Mitsubishi	4G52-B
C(P)40-60WQ	(Part No. 8634909)	Mitsubishi	4G54
ACC20-30	All gasoline trucks that include Eng.Assy # 4908739 or 4856637 (govt. trucks). All engines w/Continental spec. #'s 8014, 8015, 8501, 8502, 8019	Continental	F135

## COOLING

Model	Engine /Serial #	Water Pump Mounting Gasket	Water Pump	Water Pump Kit	Upper Hose	Lower Hose	Thermostat	Thermostat Gasket	Radiator Cap	Fan Blade	Belt
ACC, ACP20-30	G153 & G230 13/16 By Pass	4908755	4908708	4908689	4848754	4848753	4908710 4848883	4908588	4907607	4848746	
ACC, ACE35-55 & 20-30, F, FL 30-50	CONT	4512212	4516957	4512834	4770465	4814232	4513524	4512132	4981991	4766431	4791039
ACP40-50, ACC, ACE60-80, ACP40-50,	G153 & G230 13/16 By Pass	4909795	4909776	4809778	4858198	4858197	4908710	4908588	4907607	4856601	4856615
FP 40-50	CONT	4512212	4512471	4512834	4012259	4787093	4513524	4515278	4981991	4766431	4791039
ACP60-80	G230 15/16 By Pass	4909795	4909776	4809778	4858198	4858197	4908710	4908588	4907607	4856601	4856615
C, P40-60X	W/4G452	4920865	4920195	N/A	8626304	8626124	4920199	4920198	8626303	8626196	4920194
C, P40-60WQ	W/4G452	4920865	4921313	N/A	8634899	8626124	4920199	4920198	8626303	8634839	4921400
C, P40-60 (Nissan H20)	H20	4942362	4942349	4942352	4940758	4940759	4942370	4942132	4940755	4942359	4942145

## STEERING

Model	Serial #	Steer Axle Assembly #	King Pin	King Pin Kit	Center Pin	Center Pin Kit	Inner Bearing /Cone	Inner Cup	Outer Bearing /Cone	Outer Cup	Inner Seal
ACC, ACP20-30		4823106	4823104	N/A	N/A	N/A	926702	4254318	4254703	4254704	4255558
ACC, ACE35-55 & 20-30, F, FL 30-50		4831978	4808398	N/A	N/A	N/A	926702	4254318	4254703	4254704	N/A
ACP40-50, ACC, ACE60-80, ACP40-50,		4808380	4806775	N/A	N/A	N/A	4254984	42887	4250052	4253284	4255558
FP 40-50		4769867	4775136	N/A	4747330	N/A	4254984	4254695	4250052	4253284	N/A
ACP60-80		4880840	NSS	4909732	N/A	N/A	4254984	42887	4250052	4253284	4254986
C, P40-60X	30510391-	8625217	8625237	N/A	not used	not used	927270	927273	4254317	4254318	4254986
C, P40-60WQ		8630991	8625237	N/A	not used	not used	927270	927273	4254317	4254318	4254986
C40-60 (Nissan H20)	cushion	4940926	4941590	4942573	4941593	N/A	4940235	N/A	4940232	N/A	4940277
P40-60 (Nissan H20)	pneumatic	4940921	4941590	4942573	4941593	N/A	4940235	N/A	4940232	N/A	4940277

# Komatsu—Quick Reference

## TUNE-UP

Engine	Cap	Rotor	Points	Condenser	Wire Set	Spark Plugs	Air Filter	Oil Filter	Transmission Filter	Hydraulic Filter
H20	22162-H8800	22157-H1000	22145-89900	22102-00801	22450-L1125B	22401-M7714	16546-49216	15208-H8911	12163-82301	25597-60301
H20 Z Series	22162-78A10	22157-M5610	22145-89901	22102-01M11	22450-L1051	22401-W8914	DUP122510	15208-H8903	3EA-15-11610	3EB-66-11711
P40	22162-E3001	22157-H1000	22145-89900	22102-00801	22450-L6200	22401-M7714	3EC-01-11730	15208-65011	307-15-12720	3ED-66-11330
5K	TJ191017812071	TJ191027600871	X	X	w/ cap	TJ909190195071	DUP122510	90915-10002	X	3EB-66-11711
4P	TJ19101-25070	TJ19102-33012	X	X	TJ90919-21115	TJ90919-01055	DUP122510	TJ15601-96001	X	3EB-66-11711
H25	22162-55K10	22157-55K10	X	X	22450-50K50	22401-W8914	3EB-01-A5340	15208-01B02	AS15000-2300	3EB-66-A2320
FG25ST-11	22162-78A10	22157-M5610	22145-89900	22102-01M11	22450-L1051	22401-M7715	DUP122510	15208-H8903	3EA-15-11610	3EB-66-11711
FG25ST-4	22162-21007	22157-H1000	22145-89900	22102-00801	22450-49251	22401-58001	34B-02-31930	15208-H8916	307-15-12720	3EB-66-11710
FG25-8	22162-H8800	22157-H1000	22145-89900	22102-D1100	22450-L1051	22401-M7714	34B-02-31930	15208-H8911	307-15-12720	3EB-66-11710

## BRAKES

Model	Brake Shoe	Wheel Cylinder	Wheel Cylinder Kit	Master Cylinder	Master Cylinder Kit	Axle Seal	Hub Seal	Parking Brake Cable RH	Parking Brake Cable LH	Brake Adjuster
FG25ST-11	3EB-30-23430 (Right) 34B-30-14140 (Left)	3EB-30-21310	3EB-30-00010	3EB-36-22700	3EA-36-05010	3EB-21-05050	Not Used	3EB-30-11231	3EB-30-11131	34B-30-14240 (Right) 3EB-30-23440 (Left)
FG25ST-4	3EB-30-11330 (Primary) 3EB-30-11340 (Secondary)	3EB-30-11310	34B-30-00011	3EB-36-11100	3EB-36-05010	3EB-21-15140	3EB-21-15130	3EB-30-11231	3EB-30-11131	34B-30-14240 (Right) 34B-30-14140 (Left)
FG25-8	3EB-30-11330 (Primary) 3EB-30-11340 (Secondary)	3EB-30-11310	34B-30-00011	3EB-36-11100	3EB-36-05010	3EB-21-15140	3EB-21-15130	3EB-30-11231	3EB-30-11131	34B-30-14240 (Right) 34B-30-14140 (Left)

## STARTERS

Engine	Part #	Type
D11	23300-48301	
H20	23300-L1111	Dry Auto
H20	23300-K7321	Wet
4P	TJ28100-31021	9 inch
4P	TJ28100-37011	11 inch
4P	28100-96000	Wet

## ALTERNATORS

Engine	Part #
D11	23100-U0103
H20	23100-M0413
4P	27060-78001-71

## NOTES

# Komatsu—Quick Reference

## ENGINE

Model	Serial # Break	Manufacture Date	Engine
FD10-14	140381-UP	Nov-87	4FE1-IS
FD10D-14	140381-UP	Nov-87	4FE1-IS
FD10L-14	150126-UP	Nov-87	4FE1-IS
FD14-14	140381-UP	Nov-87	4FE1-IS
FD14D-14	140381-UP	Nov-87	4FE1-IS
FD14L-14	150126-UP	Nov-87	4FE1-IS
FD15-1	10001-UP	Jul-81	C240
FD15-14	140381-UP	Nov-87	4FE1-IS
FD15D-14	140381-UP	Nov-87	4FE1-IS
FD15H-14	170348-UP	Nov-87	C240-IS
FD15L-14	150126-UP	Nov-87	4FE1-IS
FD18-1	10001-UP	Jul-81	C240
FD18-14	140381-UP	Nov-87	4FE1-IS
FD18D-14	140381-UP	Nov-87	4FE1-IS
FD18H-14	170348-UP	Nov-87	C240-IS
FD18L-14	150126-UP	Nov-87	4FE1-IS
FD20-10	231549-UP	Feb-88	4D95S-KO
FD20-11	337272A-UP	Dec-89	4D95S-KO
FD20-11	337001A-UP	May-90	4D95S-W
FD20-7	100001-UP	Jan-81	C240
FD20L-10	200213-UP	Feb-88	4FE1T-IS
FD20S-11	380001A-UP	Dec-89	4D95S-KO
FD20S-5	181033-UP	Feb-88	4D95S-KO
FD20SV-11	380001A-UP	May-90	4D95 S-W-1
FD20SV-11	380001A-UP	Dec-89	4D95S.W-KO
FD20V-11	337901A-UP	May-90	4D95 S-W-1
FD20V-11	337901A-UP	Dec-89	4D95S.W-KO
FD23-10	231549-UP	Feb-88	4D95S-KO
FD23-7	105874-UP	Jan-81	C240
FD25-10	231549-UP	Feb-88	4D95S-KO
FD25-11	430175A-UP	Feb-93	4D95S.W-KO
FD25-11	337272A-UP	Dec-89	4D95S-KO
FD25-11	337001A-UP	May-90	4D95S-W
FD25-11	430175A-UP	Feb-93	4D95S-W
FD25-7	100001-UP	Jan-81	C240
FD25L-10	200213-UP	Feb-88	4FE1T-IS
FD25S-11	480001A-UP	Feb-93	4D95S.W-KO
FD25S-11	380001A-UP	Dec-89	4D95S-KO
FD25S-11	480001A-UP	Feb-93	4D95S-W
FD25S-5	181033-UP	Feb-88	4D95S-KO
FD25SV-11	380001A-UP	May-90	4D95 S-W-1
FD25SV-11	380001A-UP	Dec-89	4D95S.W-KO
FD25V-11	337901A-UP	May-90	4D95 S-W-1
FD25V-11	337901A-UP	Dec-89	4D95S.W-KO
FD28-10	231549-UP	Feb-88	4D95S-KO
FD28-7	105874-UP	Jan-81	C240
FD30-10	231549-UP	Feb-88	4D95S-KO
FD30-11	430175A-UP	Feb-93	4D95S.W-KO
FD30-11	337272A-UP	Dec-89	4D95S-KO
FD30-11	337001A-UP	May-90	4D95S-W
FD30-11	430175A-UP	Feb-93	4D95S-W

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## ENGINE cont.

Model	Serial # Break	Manufacture Date	Engine
FD30-7 Torq Flow Drive	41246-UP	Jan-81	C240
FD30H-11	370875A-UP	Dec-89	4D95L-KO
FD30S-11	380001A-UP	Dec-89	4D95S-KO
FD30S-5	181033-UP	Feb-88	4D95S-KO
FD30SV-11	380001A-UP	May-90	4D95 S-W-1
FD30SV-11	380001A-UP	Dec-89	4D95S.W-KO
FD30V-11	337901A-UP	May-90	4D95 S-W-1
FD30V-11	337901A-UP	Dec-89	4D95S.W-KO
FD33N-4	101049-UP	Mar-89	6D95L-KO
FD33S-4	90014-UP	Mar-89	6D95L-KO
FD35-2	80421-UP	Jul-78	DA220
FD35-4	124142-UP	Mar-89	6D95L-KO
FD35H-4	124142-UP	Mar-89	6D95L-KO
FD35N-4	101049-UP	Mar-89	6D95L-KO
FD35S-4	90014-UP	Mar-89	6D95L-KO
FD35Z-4	101049-UP	Mar-89	6D95L-KO
FD40-2	80421-UP	Jul-78	DA220
FD40-4	124142-UP	Mar-89	6D95L-KO
FD40-4	123460A-UP	Aug-90	6D95L-KO
FD40-5	30001A-UP	May-91	6D95L-KO
FD40-5	30001A-UP	Feb-93	6D95L-KO
FD40H-4	124142-UP	Mar-89	6D95L-KO
FD40S-4	90014-UP	Mar-89	6D95L-KO
FD40Z-4	101049-UP	Mar-89	6D95L-KO
FD40Z-4	100890A-UP	Aug-90	6D95L-KO
FD40Z-5	10001A-UP	May-91	6D95L-KO
FD40Z-5	10001A-UP	Feb-93	6D95L-KO
FD45-4	124142-UP	Mar-89	6D95L-KO
FD45-4	123460A-UP	Aug-90	6D95L-KO
FD45-5	30001A-UP	May-91	6D95L-KO
FD45-5	30001A-UP	Feb-93	6D95L-KO
FD45H-4	124142-UP	Mar-89	6D95L-KO
FD45S-4	90014-UP	Mar-89	6D95L-KO
FD50-4	45001-UP	Mar-85	4D105-KO
FD50H-4	35001-UP	Mar-85	6D95L-KO
FD60-4	45001-UP	Mar-85	4D105-KO
FD60H-4	35001-UP	Mar-85	6D95L-KO
FD60HD-4	50001-UP	Mar-85	6D105-KO
FD70E-4	45001-UP	Mar-85	4D105-KO
FD70N-4	35001-UP	Mar-85	6D95L-KO
FG 30 Torq Flow Drive	700001-UP		H20
FG10	205001A-UP	Jul-90	4P-TY
FG10	30001A-UP	Apr-91	5K-TY
FG10	205001A-UP	Jul-90	H20 Z Series
FG10-12	111609-UP	Mar-84	4P
FG10-14	122197-UP	Nov-87	4P-TY
FG10D-14	122197-UP	Nov-87	4P-TY
FG10H-1	80001-UP	Jun-81	H20
FG10H-14	160136-UP	Nov-87	H20-DA
FG10L-12	93362-UP	Mar-84	4P
FG10L-14	130423-UP	Nov-87	4P-TY



# Komatsu—Quick Reference

## ENGINE cont.

Model	Serial # Break	Manufacture Date	Engine
FG10S-1	60001-UP	Jan-78	H20
FG10S-15	260001A-UP	Jul-90	H20 Z Series
FG10S-15	260001A-UP	Jul-90	H20-DA
FG10S-15	360001A-UP	Apr-91	H20-DA
FG10S-2	180085-UP	Nov-87	H20-DA
FG14-12	111609-UP	Mar-84	4P
FG14-14	122197-UP	Nov-87	4P-TY
FG14D-14	122197-UP	Nov-87	4P-TY
FG14L-12	93362-UP	Mar-84	4P
FG14L-14	130423-UP	Nov-87	4P-TY
FG15	205001A-UP	Jul-90	H20 Z Series
FG15-12	111609-UP	Mar-84	4P
FG15-14	122197-UP	Nov-87	4P-TY
FG15-15	205001A-UP	Jul-90	4P-TY
FG15-15	30001A-UP	Apr-91	5K-TY
FG15D-14	122197-UP	Nov-87	4P-TY
FG15H-1	80001-UP	Jun-81	H20
FG15H-14	160136-UP	Nov-87	H20-DA
FG15H-15	220301A-UP	Jul-90	H20 Z Series
FG15H-15	220301A-UP	Jul-90	H20-DA
FG15H-15	320001A-UP	Apr-91	H20-DA
FG15L-12	93362-UP	Mar-84	4P
FG15L-14	130423-UP	Nov-87	4P-TY
FG15S-1	60001-UP	Jan-78	H20
FG15S-15	260001A-UP	Jul-90	H20 Z Series
FG15S-15	260001A-UP	Jul-90	H20-DA
FG15S-15	360001A-UP	Apr-91	H20-DA
FG15S-2	180085-UP	Nov-87	H20-DA
FG18-12	111609-UP	Mar-84	4P
FG18-14	122197-UP	Nov-87	4P-TY
FG18D-14	122197-UP	Nov-87	4P-TY
FG18H-1	80001-UP	Jun-81	H20
FG18H-14	160136-UP	Nov-87	H20-DA
FG18H-15	220301A-UP	Jul-90	H20 Z Series
FG18H-15	220301A-UP	Jul-90	H20-DA
FG18H-15	320001A-UP	Apr-91	H20-DA
FG18L-12	93362-UP	Mar-84	4P
FG18L-14	130423-UP	Nov-87	4P-TY
FG18S-15	260001A-UP	Jul-90	H20 Z Series
FG18S-15	260001A-UP	Jul-90	H20-DA
FG18S-15	360001A-UP	Apr-91	H20-DA
FG18S-2	180085-UP	Nov-87	H20-DA
FG20	100001-UP		H20
FG20-11	252745A-UP	Dec-89	H20-DA
FG20-11	450050A-UP	Feb-93	H20-DA
FG20-11	450050A-UP	Feb-93	H20-DA
FG20-11	252001A-UP	May-90	H20-DA
FG20-7	103461-UP	Mar-81	H20
FG20-8	132270-UP	Oct-85	H20-DA
FG20-8	139318-UP	Mar-88	H20-DA
FG20-8	139318-UP	Mar-88	H20-DA

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## ENGINE cont.

Model	Serial # Break	Manufacture Date	Engine
FG20L-8	150205-UP	Oct-85	J15-DA
FG20L-8	150642-UP	Mar-88	J15-DA
FG20L-8	150642-UP	Mar-88	J15-DA
FG20S-11	300001A-UP	May-90	H20 Z Series
FG20S-11	300088A-UP	Dec-89	H20-DA
FG20S-11	400001A-UP	Feb-93	H20-DA
FG20S-11	400001A-UP	Feb-93	H20-DA
FG20S-3	60285-UP	Jun-81	H20
FG20S-4	170487-UP	Oct-85	H20-DA
FG20S-4	173027-UP	Mar-88	H20-DA
FG20S-4	173027-UP	Mar-88	H20-DA
FG23-7	103461-UP	Mar-81	H20
FG23-8	132270-UP	Oct-85	H20-DA
FG23-8	139318-UP	Mar-88	H20-DA
FG23-8	139318-UP	Mar-88	H20-DA
FG25	100001-UP		H20
FG25-11	252745A-UP	Dec-89	H20-DA
FG25-11	450050A-UP	Feb-93	H20-DA
FG25-11	450050A-UP	Feb-93	H20-DA
FG25-11	252001A-UP	May-90	H20-DA
FG25-7	103461-UP	Mar-81	H20
FG25-8	132270-UP	Oct-85	H20-DA
FG25-8	139318-UP	Mar-88	H20-DA
FG25L-8	150205-UP	Oct-85	J15-DA
FG25L-8	150642-UP	Mar-88	J15-DA
FG25L-8	150642-UP	Mar-88	J15-DA
FG25S-11	300001A-UP	May-90	H20 Z Series
FG25S-11	300088A-UP	Dec-89	H20-DA
FG25S-11	400001A-UP	Feb-93	H20-DA
FG25S-11	400001A-UP	Feb-93	H20-DA
FG25S-3	60285-UP	Jun-81	H20
FG25S-4	170487-UP	Oct-85	H20-DA
FG25S-4	173027-UP	Mar-88	H20-DA
FG25S-4	173027-UP	Mar-88	H20-DA
FG28-7	103461-UP	Mar-81	H20
FG28-8	132270-UP	Oct-85	H20-DA
FG28-8	139318-UP	Mar-88	H20-DA
FG28-8	139318-UP	Mar-88	H20-DA
FG30-11	252745A-UP	Dec-89	H20-DA
FG30-11	450050A-UP	Feb-93	H20-DA
FG30-11	450050A-UP	Feb-93	H20-DA
FG30-7	70180-UP	Mar-81	H20
FG30-8	132270-UP	Oct-85	H20-DA
FG30-8	139318-UP	Mar-88	H20-DA
FG30-8	139318-UP	Mar-88	H20-DA
FG30G-11	290222A-UP	May-90	G1600
FG30G-11	490001A-UP	Feb-93	G1600
FG30G-11	490001A-UP	Feb-93	G1600-Herc
FG30S-11	300088A-UP	Dec-89	H20-DA
FG30S-11	400001A-UP	Feb-93	H20-DA
FG30S-11	400001A-UP	Feb-93	H20-DA

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## ENGINE cont.

Model	Serial # Break	Manufacture Date	Engine
FG30S-3	10047-UP	Jun-81	H20
FG30S-4	170487-UP	Oct-85	H20-DA
FG30S-4	173027-UP	Mar-88	H20-DA
FG30S-4	173027-UP	Mar-88	H20-DA
FG30SG-11	320003A-UP	May-90	G1600
FG30SG-11	490002A-UP	Feb-93	G1600
FG30SG-11	490002A-UP	Feb-93	G1600-Herc
FG33N-4	110515-UP	Mar-89	P40-DA
FG33S-4	95263-UP	Mar-89	P40-DA
FG33S-6	61001A-UP	Feb-93	TB42-DA
FG35-2	70083-UP	Jul-78	PPU240,241
FG35-2	70203-UP	Mar-80	PPU240,241
FG35-4	130776-UP	Mar-89	P40-DA
FG35N-4	110515-UP	Mar-89	P40-DA
FG35S-4	95263-UP	Mar-89	P40-DA
FG35S-4	95264A-UP	Aug-90	P40-DA
FG35S-5	60001A-UP	May-91	P40-DA
FG35S-5	60001A-UP	Feb-93	P40-DA
FG35S-6	61001A-UP	Feb-93	TB42-DA
FG35Z-4	110515-UP	Mar-89	P40-DA
FG40-2	70083-UP	Jul-78	PPU240,241
FG40-2	70203-UP	Mar-80	PPU240,241
FG40-4	130776-UP	Mar-89	P40-DA
FG40-4	130712A-UP	Aug-90	P40-DA
FG40-5	40001A-UP	May-91	P40-DA
FG40-5	40001A-UP	Feb-93	P40-DA
FG40-6	41001A-UP	Feb-93	TB42-DA
FG40S-4	95263-UP	Mar-89	P40-DA
FG40Z-4	110515-UP	Mar-89	P40-DA
FG40Z-4	110410A-UP	Aug-90	P40-DA
FG40Z-5	20001A-UP	May-91	P40-DA
FG40Z-5	20001A-UP	Feb-93	P40-DA
FG40Z-6	21001A-UP	Feb-93	TB42-DA
FG45-4	130776-UP	Mar-89	P40-DA
FG45-4	130712A-UP	Aug-90	P40-DA
FG45-5	40001A-UP	May-91	P40-DA
FG45-5	40001A-UP	Feb-93	P40-DA
FG45-6	41001A-UP	Feb-93	TB42-DA
FG45S-4	95263-UP	Mar-89	P40-DA
FG45S-4	95264A-UP	Aug-90	P40-DA
FG45S-5	60001A-UP	May-91	P40-DA
FG45S-5	60001A-UP	Feb-93	P40-DA
FG45S-6	61001A-UP	Feb-93	TB42-DA
FG50-4	25001-UP	Mar-85	P40-DA
FG60-4	25001-UP	Mar-85	P40-DA
FG70E-4	25001-UP	Mar-85	P40-DA



# Komatsu—Quick Reference

## STEERING cont.

Model	Serial #	Steer Axle Assembly #	King Pin	King Pin Kit	Center Pin	Center Pin Kit	Inner Bearing	Outer Bearing	Inner Seal	Outer Seal
FD40-4	121651 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-30207	07012-00095	N/A
FD40-5	30001a & up	3EC-25-A2110	3EC-24-11230	3EC-24-05010	N/A	N/A	06002-32211	06002-32207	07012-00095	N/A
FD40H-4	121651 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-30207	07012-00095	N/A
FD40S-4	95069 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-30207	07012-00095	N/A
FD40Z-4	100453 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-30207	07012-00095	N/A
FD40Z-5	10001a & up	3EC-25-A2110	3EC-24-11230	3EC-24-05010	N/A	N/A	06002-32211	06002-32207	07012-00095	N/A
FD45-4	121651 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-30207	07012-00095	N/A
FD45-5	30001a & up	3EC-25-A2110	3EC-24-11230	3EC-24-05010	N/A	N/A	06002-32211	06002-30207	07012-00095	N/A
FD45H-4	121651 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-30207	07012-00095	N/A
FD45S-4	90006 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-30207	07012-00095	N/A
FD50-4	45001 & up	3ED-24-11110	34C-24-11140	34C-24-00010	34C-24-11190	N/A	06000-30313	360-22-82210	07012-00130	N/A
FD50H-4	35001 & up	3ED-24-11110	34C-24-11140	34C-24-00010	34C-24-11190	N/A	06000-30313	360-22-82210	07012-00130	N/A
FD60-4	45001 & up	3ED-24-11110	34C-24-11140	34C-24-00010	34C-24-11190	N/A	06000-30313	360-22-82210	07012-00130	N/A
FD60H-4	35001 & up	3ED-24-11110	34C-24-11140	34C-24-00010	34C-24-11190	N/A	06000-30313	360-22-82210	07012-00130	N/A
FD60HD-4	50001 & up	3ED-24-21211	308-27-25316	N/A	3ed-24-21230	N/A	06000-30313	06000-30311	07012-000130	N/A
FD70E-4	45001 & up	3ED-24-18110	3ED-24-18230	N/A	34C-24-11190	N/A	06000-30313	360-22-82210	07012-00130	N/A
FD70N-4	35001 & up	3ED-24-18110	3ED-24-18230	N/A	34C-24-11190	N/A	06000-30313	360-22-82210	07012-00130	N/A
FG10	pea15cl-01 & up	3EA-24-A2110	3BA-25-25180	N/A	N/A	N/A	06000-30209	05000-30207	07011-00080	N/A
FG10-12	111609 & up	34A-24-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30207	06000-30208	07010-00075	N/A
FG10-14	120001 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG10H-1	80001 & up	34A-24-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30208	06000-30207	07010-00075	N/A
FG10H-14	160136 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG10L-12	93362a & up	34A-24-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30207	06000-30208	07011-00075	N/A
FG10L-14	130001 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-60207	07011-00080	N/A
FG10S-15	260001a & up	3EA-24-A2110	3BA-25-25180	N/A	N/A	N/A	06000-30209	06000-30207	07011-00080	N/A
FG10S-2	180085 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG14-12	111609a & up	34A-24-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30207	06000-30208	07010-00075	N/A
FG14-14	120001 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG14D-14	120001 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG14L-12	93362a & up	34A-24-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30207	06000-30208	07010-00075	N/A
FG14L-14	130001 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG15-12	111609a & up	34A-24-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30207	06000-30208	07010-00075	N/A
FG15-14	120001 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG15-15	205001a & up	3EA-24-A2110	3BA-25-25180	N/A	N/A	N/A	06000-30209	06000-30207	07011-00080	N/A
FG15D-14	120001 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG15H-1	80001 & up	34A-24-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30208	06000-30207	07010-00075	N/A
FG15H-14	160136 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG15H-15	220301a & up	3EA-24-A2110	3BA-25-25180	N/A	N/A	N/A	06000-30209	06000-30207	07011-00080	N/A
FG15L-12	93362 & up	34A-24-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30207	06000-30208	07010-00075	N/A
FG15S-1	60001 & up	34A-25-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30208	06000-30207	07010-00075	N/A
FG15S-15	260001a & up	3EA-24-A2110	3BA-25-25180	N/A	N/A	N/A	06000-30209	06000-30207	07011-00080	N/A
FG15S-2	180085 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG18-12	111609 & up	34A-24-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30207	06000-30208	07010-00075	N/A
FG18-14	120001 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG18D-14	120001 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG18H-1	80001 & up	34A-24-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30208	06000-30207	07010-00075	N/A
FG18H-14	160136 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG18H-15	220301a & up	3EA-24-A2110	3BA-25-25180	N/A	N/A	N/A	06000-30209	06000-30207	07011-00080	N/A
FG18L-12	111609 & up	34A-24-11112	34A-24-11142	34A-24-00011	34A-24-11320	N/A	06000-30207	06000-30208	07010-00075	N/A
FG18L-14	130001 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A

# Komatsu—Quick Reference

## STEERING cont.

Model	Serial #	Steer Axle Assembly #	King Pin	King Pin Kit	Center Pin	Center Pin Kit	Inner Bearing	Outer Bearing	Inner Seal	Outer Seal
FG15L-14	130001 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG18S-15	260001a & up	3EA-24-A2110	3BA-25-25180	N/A	N/A	N/A	06000-30209	06000-30207	07011-00080	N/A
FG18S-2	180085 & up	3EA-24-11111	34A-24-11142	3EA-24-05010	3EA-24-11920	N/A	06000-30209	06000-30207	07011-00080	N/A
FG20-11	252745a & up	3EB-24-21110	34B-24-11141	3EB-24-05060	34B-24-11321	3EB-24-05050	06000-32209	06000-30207	07011-00080	N/A
FG20-7	100001 & up	34B-24-11112	34B-24-11141	34B-24-00010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG20-8	139318 & up	3EB-24-11111	34B-24-11141	3EB-24-05010	34B-24-11321	N/A	06000-32209	06000-30207	07011-00080	N/A
FG20L-8	150642 & up	3EB-24-11111	34B-24-11141	3EB-24-05010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG20S-11	300088a & up	3EB-24-21110	34B-24-11141	3EB-24-05060	34B-24-11321	3EB-24-05050	06000-32209	06000-30207	07011-00080	N/A
FG20S-3	60285 & up	34B-25-11111	34B-24-11141	34B-24-00010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG20S-4	173027 & up	3EB-24-11111	34B-24-11141	3EB-24-05010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG23-7	103461 & up	34B-24-11112	34B-24-11141	34B-24-00010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG23-8	139318 & up	34B-24-11112	34B-24-11141	34B-24-00010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG25-11	252745a & up	3EB-24-21110	34B-24-11141	3EB-24-05060	34B-24-11321	3EB-24-05050	06000-32209	06000-30207	07011-00080	N/A
FG25-7	100001 & up	34B-24-11112	34B-24-11141	34B-24-00010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG25-8	139318 & up	3EB-24-11111	34B-24-11141	3EB-24-05010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG25L-8	150642 & up	3EB-24-11111	34B-24-11141	3EB-24-05010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG25S-11	300088a & up	3EB-24-21110	34B-24-11141	3EB-24-05060	34B-24-11321	3EB-24-05050	06000-32209	06000-30207	07011-00080	N/A
FG25S-3	602856 & up	34B-25-11111	34B-24-11141	34B-24-00010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG25S-4	173027 & up	3EB-24-11111	34B-24-11141	3EB-24-05010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG28-7	602852 & up	34B-24-11112	34B-24-11141	34B-24-00010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG28-8	139318 & up	3EB-24-11111	34B-24-11141	34B-24-05010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG30-11	252754a & up	3EB-24-21110	34B-24-11141	3EB-24-05060	34B-24-11321	3EB-24-05050	06000-32209	06000-30207	07011-00080	N/A
FG30-7	40001 & up	34B-24-11112	34B-24-11141	34B-24-00010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG30-8	139318 & up	3EB-24-11111	34B-24-11141	3EB-24-05010	34B-24-11321	N/A	06000-32209	06000-30207	07011-00080	N/A
FG30G-11	490001a & up	3EB-25-21110	34B-24-11141	3EB-24-05060	34B-24-11321	3EB-24-05050	06000-32209	06000-30207	07011-00080	N/A
FG30G-11	FHPS	3EB-24-A2511	34B-24-11141	N/A	N/A	N/A	06000-32209	06000-30207	07011-00080	N/A
FG30S-11	252754a & up	3EB-24-21110	34B-24-11141	3EB-24-05060	34B-24-11321	3EB-24-05050	06000-32209	06000-30207	07011-00080	N/A
FG30S-3	10047 & up	34B-25-11111	34B-24-11141	34B-24-00010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG30S-4	137027 & up	3EB-24-11111	34B-24-11141	34B-24-05010	34B-24-11321	N/A	06000-32209	06000-30207	07010-00080	N/A
FG30SG-11	490002a & up	3EB-25-21110	34B-24-11141	3EB-24-05060	34B-24-11321	3EB-24-05050	06000-32209	06000-30207	07010-00080	N/A
FG30SG-11	FHPS	3EB-24-A2511	34B-24-11141	N/A	N/A	N/A	06000-32209	06000-30207	07010-00080	N/A
FG33N-4	110124 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-32207	07012-00095	N/A
FG33S-4	95069 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-32207	07012-00095	N/A
FG33S-6	61001a & up	3EC-24-A2110	3EC-24-11230	3EC-24-05010	N/A	N/A	06002-32211	06002-32207	07012-00095	N/A
FG35-2	70203 & up	34c-24-11113	34C-24-11140	34C-24-05010	34C-24-11190	N/A	360-22-82210	300-27-31460	07012-00100	N/A
FG35-4	130431 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-32207	07012-00095	N/A
FG35N-4	110124 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-32207	07012-00095	N/A
FG35S-4	90006 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-32207	07012-00095	N/A
FG35S-5	60001a & up	3EC-24-A2110	3EC-24-11230	3EC-24-05010	N/A	N/A	06002-32211	06002-32207	07012-00095	N/A
FG35S-6	60001a & up	3EC-24-A2110	3EC-24-11230	3EC-24-05010	N/A	N/A	06002-32211	06002-32207	07012-00095	N/A
FG35Z-4	110124 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-32207	07012-00095	N/A
FG40-2	70083 & up	34c-24-11113	34C-24-11140	34C-24-00010	34C-24-11190	N/A	360-2282210	300-27-31460	07012-00100	N/A
FG40-4	130431 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-32207	07012-00095	N/A
FG40-5	40001a & up	3EC-24-A2110	3EC-24-11230	3EC-24-05010	N/A	N/A	06002-32211	06002-32207	07012-00095	N/A
FG40-6	50001a & up	3EC-24-A2110	3EC-24-11230	3EC-24-05010	N/A	N/A	06002-32211	06002-32207	07012-00095	N/A
FG40S-4	95069 & up	3EC-24-11110	3EC-24-11230	3EC-24-05010	3EC-24-11340	N/A	06002-32211	06002-32207	07012-00095	N/A
FG40Z-5	20001a & up for	3EC-24-A2110	3EC-24-11230	3EC-24-05010	N/A	N/A	06002-32211	06002-32207	07012-00095	N/A
FG40Z-6	20001a & up for	3EC-24-A2110	3EC-24-11230	3EC-24-05010	N/A	N/A	06002-32211	06002-32207	07012-00095	N/A



# Mitsubishi—Quick Reference

## TUNE-UP

Engine	Cap	Rotor	Points	Condenser	Wire Set	Spark Plugs	Air Filter	Oil Filter	Transmission Filter	Hydraulic Filter
4G33	MD670597	MD602758	MD607394	MD607406	MD009141	MS851101	91261-00040	MD031805	91224-07101	91275-13300
4G52/4G54	MD611686	MD611850	X	X	MD023742	MS851101	91261-00020	MD031805		91375-03800
4G63	T232T46772	T880T12273	X	X	972033	MS851182	91361-03300	MD135737	91224-07101	91224-07101
4G64 Clip Down	MD611686	MD611850	X	X	MD972033	MS851101	91261-06200	MD135737	91224-07101	91375-03800
4G64 Screw Down	MD618364	MD618262	X	X	MD972033	MS851101	91261-06200	MD135737	91224-07101	91375-03800

  

Model	Cap	Rotor	Points	Condenser	Wire Set	Spark Plugs	Air Filter	Oil Filter	Transmission Filter	Hydraulic Filter
FG15 AF25-50001-UP	MD611686	MD602758	X	X	MD009141	MS851101	91261-00040	MD031805	91224-07100	91275-13300
FG25 AF17A-50001-UP	MD611686	MD611850	X	X	MD023742	MS851101	91261-00020	MD031805	91224-07100	91275-13300
FGC15 AF81A-50001-UP	MD611686	MD602758	X	X	MD009141	MS851101	91261-00040	MD031805	91224-07101	91275-13300
FGC15 AF81B-50001-UP	MD611686	MD611850	X	X	MD972033	MS851101	91361-03300	MD135737	91224-07101	91275-13300
FGC20 AF82A-11-99999	MD611686	MD611850	X	X	MD023742	MS851101	91261-00020	MD031805	91224-07101	91275-13300
FGC20 AF82B-11-99999	MD611686	MD611850	X	X	MD972033	MS851101	91361-03300	MD135737	91224-07101	91275-13300
FGC20 F82-11-99999	MD602949	MD602758	MD607394	MD607530	MD023742	MD851101	91261-00700	MD001445	58822-17400	91275-02900
FGC25 AF82A-50001-UP	MD611686	MD611850	X	X	MD023742	MS851101	91261-00020	MD031805	91224-07101	91275-13300
FGC25 AF82B-1-50000	MD611686	MD611850	X	X	MD972033	MS851101	91361-03300	MD135737	91224-07101	91275-13300
FGC25 AF82B-50001-UP	MD611686	MD611850	X	X	MD972033	MS851101	91361-03300	MD135737	91224-07101	91275-13300

## BRAKES

Model	Brake Shoe	Brake Adjuster	Wheel Cylinder	Wheel Cylinder Repair Kit	Master Cylinder	Master Cylinder Repair Kit
FG, FGC 15, 18	91246-16800 (2) (Front) 91246-16900 (Left) 91246-17100 (Right) (Rear)	91246-04200 (Left) 91246-04300 (Right)	91246-01800	91246-01810	91346-10300	91346-10310
FG30,35	91446-07100 (2) (Front)	91846-01300 (Left)	91446-01901	91446-01920	91346-10300	91484-27110
FGC30	91546-02500 (Left Rear) 91546-02600 (Right)	91846-01400 (Right)	91446-01901	91446-01920	91346-10300	91484-27110
FGC10, 15	91246-01900 (2) (Front)	91246-04200 (Left) 91246-04300 (Right)	91246-01800	91246-01810	91484-17100	91484-17110
88+	91246-12100 (Left) 91246-04100 (Right) (Rear)					
FGC20, 25, 30	91446-41100 (2) (Front)	91446-06500 (Right)	91446-00901	91446-00920	91484-17100	91484-17110
1988 & up	91446-51200 (Left) 91446-42700 (Right) (Rear)	91446-06400 (Left)				
FG40	91846-17200 (2), 91846-17300 (1) 91846-2110 (1)	91846-01300 (Left) 91846-01400 (Right)	91846-00800	91446-00920	91846-15200	91946-10320

## STARTERS

Model	Engine	Part #	Type
FG (C) 20, 25, 30	4G63, 64 4G52, 54	MD871228 M03T25981 MM115514	Gear Reduction Dry
FG (C) 20, 25, 30	4G52, 54	MM115518 M2T58051 M2T58581 MD171228	Dry Gear Reduction
FG (C) 10, 15	4G33	MD189054 MM115513 MM115517 M3T32681	Dry
FGC10-30	4G33, 52, 54	MM115516	Wet Gear Reduction



# Mitsubishi—Quick Reference

## ALTERNATORS

Model	Serial #	Part #
FGC10		MD-034130
FGC15		MD-034130
FGC20		MD-064068
FGC25		MD-064068
FG10		MD-034130
FG15		MD-034130
FG25		MD-064068
FGC15K	9410.1 & Up	MD-316418
FGC15K	9305.1-9409.3	MD-169683
FGC20K	9410.1 & Up	MD-316418
FGC20K	9305.1-9409.3	MD-169683
FGC25K	9410.1 & Up	MD-316418
FGC25K	9305.1-9409.3	MD-169683

## ENGINE

Models	Engine
FD 20,23,25,28,30 S4E2-42080-UP For: FD 35A S6E-9515-UP For: FD 35,38,40,45,50,50C S6E2-9515-UP For: FD 35,38,40,45,50,50C S6E2-5501-UP For: FD 60,70	Diesel Engine: S4E,4E2,6E,6E2
4G33-GL1536-UP For: FG10 AF25-00011-UP, FGC10 AF81A-00011-UP, FG20 AF17A-00011-UP, FGC25 AF82A-50001-UP	Gas Engine: 4G33,52,54
4G52-KH9855-UP For: FG15 AF25-50001-UP, FG18 AF25-70001-UP FGC15 AF81A-50001-UP, FGC20 AF82A-00011-UP, FG25 AF17A-50001-UP	
4G54-KH9855-UP For: FG30 AF13C-30001-UP, FG35A AF13C-50001-UP, FGC30 AF83A-00011-UP 4G63:PL3269-UP For: FGC15 AF81B-50001-UP, FGC18 AF81B-70001-UP, FGC20 AF82B-00001-UP, FGC25 AF82B-50001-UP	Gas Engine: 4G63,4G64
4G63:PA3487-UP For: FG15 AF31-50001-UP, FG18 AF31-70001-UP, FG20 AF17B-00001-UP, FG25 AF17B-50001-UP	
4G64:PL3269-UP For: FGC30 AF83B-00001-UP 4G64:PA3487-UP For: FG30 AF13D-30001-UP, FG35A AF13D-50001-UP 4G63:PA3487-UP For: FG15 FG25	Gas Engine: 4G63,4G64
4G64:PA3487-UP For: FG30 4G63:PA3269-UP For: FGC15 4G64:PA3269-UP For: FGC30	FGC20 FGC25
6G72:TS9874-UP For: FG35 FG40	Gas Engine: 6G72

## NOTES

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# Mitsubishi—Quick Reference

## COOLING

Model	Engine/Serial #	Water Pump Mounting Gasket	Water Pump	Water Pump Kit	Upper Hose	Lower Hose	Thermostat	Thermostat Gasket	Radiator Cap	Fan Blade	Belt
FGC15	F81 50001-99999	MD009006	34445-10017	N/A	91101-10300	91101-10400	MD-005371	MD-000551	91201-02100	91201-10200	91201-10900
FGC25	F82 50001-99999	MD009006	34445-10017	N/A	91401-20200	93401-00100	MD-005371	MD-000551	91201-02100	91201-10200	91201-10900
FG15	F25 50001-99999	MD009006	MD-009000	N/A	91201-06700	91201-06800	MD-005371	MD-000551	91201-07900	91201-10200	91201-07600
FG18	F25 70001-99999	MD009006	MD-009000	N/A	91201-06700	91201-06800	MD-005371	MD-000551	91201-07900	91201-10200	91201-07600
FGC10	F81 11-99999	MD009006	MD-009000	N/A	91101-10300	91101-10400	MD-005371	MD-000551	91201-02100	91201-10200	91201-10900
FG15	F2 53210-99999	MD009006	MD-009019	N/A	91201-11400	91201-11500	MD-005371	MD-000551	91201-02100	91201-10200	91201-10900
FGC15	F81 50001-99999	MD009006	MD-009019	N/A	91101-10300	91101-10400	MD-005371	MD-000551	91201-02100	91201-10200	91201-10900
FG30	F13B 11-99999	MD021495	MD-025475	N/A	91401-00200	91401-10300	MD-005371	MD-000551	91201-02100	91201-10200	91201-10900
FG30	F13C 30001-99999	MD021495	MD-025475	N/A	91401-16300	91401-06400	MD-005371	MD-000551	91201-07900	91201-10200	91401-06800
FGC30	F83 11-99999	MD021495	MD-025475	N/A	91401-20200	93401-00100	MD-005371	MD-000551	91201-02100	91201-10200	91201-10900
FGC20	F82 11-99999	MD021495	MD-025475	N/A	91401-20200	93401-00100	MD-005371	MD-000551	91201-02100	91201-10200	91201-10900
FGC15	AF81B 50001-99999	MD041052	MD-970338	N/A	93101-15100	93101-15200	MD-997603	Included with Thermostat	91201-07900	91301-00200	91401-09800
FGC18	AF81B 70001-99999	MD041052	MD-970338	N/A	93101-15100	93101-15200	MD-997603	Included with Thermostat	91201-07900	91301-00200	91401-09800
FGC15	AF81B 50001-99999	MD041052	MD-970338	N/A	93101-15100	93101-15200	MD-997603	Included with Thermostat	91201-07900	91301-00200	91401-09800
FGC20	AF82B 1-99999	MD041052	MD-970338	N/A	93401-15100	93401-15200	MD-997603	Included with Thermostat	NSS	91301-00200	91401-09800
FGC25	AF82B 1-99999	MD041052	MD-970338	N/A	93401-15100	93401-15200	MD-997603	Included with Thermostat	NSS	91301-00200	91401-09800
FG35	AF29 1-99999	MD151426	MD-980000	N/A	91801-06700	91801-06800	MD-997603	Included with Thermostat	91201-07900	91801-12501	91801-08600
FG40	AF29 1-99999	MD151426	MD-980000	N/A	91801-06700	91801-06800	MD-997603	Included with Thermostat	91201-07900	91801-12501	91801-08600
FG15	AF25 50001-99999	MD009006	MD-997077	N/A	91201-06700	91201-06800	MD-997220	Included with Thermostat	91201-07900	91301-00200	05910-10043
FG18	AF25 70001-99999	MD009006	MD-997077	N/A	91201-06700	91201-06800	MD-997220	Included with Thermostat	91201-07900	91301-00200	05910-10043
FGC15	AF81A 50001-99999	MD009006	MD-997077	N/A	93101-02200	93101-02300	MD-997220	Included with Thermostat	91201-07900	91301-00200	91401-09800
FGC10	AF81A 11-99999	MD009006	MD-997077	N/A	93101-02200	93101-02300	MD-997220	Included with Thermostat	91201-07900	91301-00200	91401-09800
FGC15	AF81A 50001-99999	MD009006	MD-997077	N/A	93101-02200	93101-02300	MD-997220	Included with Thermostat	91201-07900	91301-00200	91401-09800
FG30	AF13C 30001-99999	MD021495	MD-997083	N/A	91401-16300	91401-06400	MD-997220	Included with Thermostat	91201-07900	91301-00200	91401-19700
FGC30	AF83A 11-99999	MD021495	MD-997083	N/A	91401-16300	91401-06400	MD-997220	Included with Thermostat	91201-07900	91301-00200	91401-19700
FGC20	AF82A 11-99999	MD021495	MD-997083	N/A	91401-16300	91401-06400	MD-997220	Included with Thermostat	91201-07900	91301-00200	91401-09800
FGC25	AF82A 50001-99999	MD021495	MD-997083	N/A	91401-16300	91401-06400	MD-997220	Included with Thermostat	91201-07900	91301-00200	91401-09800

## NOTES



# Nissan—Quick Reference

## TUNE-UP

Engine	Cap	Rotor	Points	Condenser	Wire Set	Spark Plugs	Air Filter	Oil Filter	Transmission Filter	Hydraulic Filter
H20	22162-H8800	22157-H1000	22145-89900	22102-00801	22450-L1125B	22401-M7714	16546-49216	15208-H8911	31725-L1000	58396-47601
J15 up to 11/80	22162-71311	22157-18010	22145-89900	22102-71312	22450-L1600	22401-58001	16546-L3000	15208-H8903		58396-47601
J15 12/80-up	22162-R9006	22157-R9006	22145-89900	22102-71312	22450-L1600	22401-58001	16546-L3000	15208-H8903		58396-47601

## BRAKES

Model	Brake Shoe	Brake Adjuster	Wheel Cylinder	Wheel Cylinder Repair Kit	Master Cylinder	Master Cylinder Repair Kit
CF01A15V	44060-L1400 (2) Primary (Left & Right)	44161-L0100 (Right)	44100-L1400	44100-L1425	46010-L1410	46011-L1425
	44070-L1400 (1) Secondary (Right)	44162-L0100 (Left)				
	44071-L1400 (1) Secondary (Left)					
CPF02A25V	41030-L0700 (1) Primary (Right)	44161-L0701 (Right)	44100-L1101 (Right)	44100-L1125	46010-L1101	46010-L1101
	44060-L0700 (1) Primary (Left)	44162-L0701 (Left)	44101-L1101 (Left)			
	41031-L0700 (1) Secondary (Right)					
	44061-L0700 (1) Secondary (Left)					
CPH01A15V (Cushion)	44060-00H06 (2) Primary (Right & Left)	44200-00H00 (Right)	44100-00H00	44100-00H25	46010-04H00	46011-04H25
	44070-00H06 (1) Secondary (Right)	44201-00H00 (Left)				
	44070-00H16 (1) Secondary (Left)					
PH01A15V (Pneumatic)	44060-00H06 (2) Primary (Right & Left)	44200-00H00 (Right)	44100-00H00	44100-00H25	46010-04H00	46011-04H25
	44070-00H06 (1) Secondary (Right)	44201-00H00 (Left)				
	44070-00H16 (1) Secondary (Left)					
CPH02A25V (Cushion)	44060-11H01 (2) Primary	44200-11H01 (Right)	44100-11H01	44100-00H25	46010-11H01	46011-11H25
	44070-11H01 (1) Secondary (Right)	44201-11H01 (Left)				
	44070-11H16 (1) Secondary (Left)					
PH02A25V (Pneumatic)	44060-22H06 (2) Primary	44200-22H00 (Right)	44100-22H00	44100-22H25	46010-14H00	46011-11H25
	44070-22H00 (1) Secondary (Right)	44201-22H00 (Left)				
	44070-22H10 (1) Secondary (Left)					
KPH02A25PV (Cushion & Pneumatic)	44060-22H60 (2) Primary	44200-22H00 (Right)	44100-22H00	44100-22H25	46010-91K00	46011-91K25
	44070-22H60 (1) Secondary (Right)	44201-22H00 (Left)				
	44070-22H70 (1) Secondary (Left)					
PF02A25V	41030-L0700 (1) Primary (Right)	44161-L0701 (Right)	44100-L1101 (Right)	44100-L1125	46010-L1101	46010-85026
	44060-L0700 (1) Primary (Left)	44162-L0701 (Left)	44101-L1101 (Left)			
	41031-L0700 (1) Secondary (Right)					
	44061-L0700 (1) Secondary (Left)					

## ENGINE

Model #	Engine #					
FG001	FG002	FG003	FG101	FG102	FG103	D11
CFG001	CFG002	CFG003	CFG101	CFG102	CFG103	
F01A10	F01A14	F01A15	F01A18	CF01A10	CF01A14	J15-B
CF01A15	CF01A18					
FG004	FG005	FG104	FG105	CFG004	CFG005	H20
CFG104	CFG105					
PF02A20	PF02A25	PF02A30	CPF01A20	CPF02A25	CPF02A30	H20
FD104	FD105	QF01A10	QF01A14	QF01A15	QF01A18	SD22
QF02A20	QF02A25	QGF02A30	CQF02A20	CQF02A25	CQF02A30	
F03	FG007	FG106	FG107			H30

# Nissan—Quick Reference

## STARTERS

Engine	Series	Part #	Type
H20		23300-L2911	Dry 8-Tooth
		23300-00H10	
		23300-L2910	
		23300-L2912	
H20		23300-15815	Dry 9-Tooth
		23300-15800	
		23300-15805	
		23300-A3210	
D11		23300-47601	Dry
		23300-47600	
		23300-48301	
		23300-B0700	
H20		23300-P5111	Dry 3 Case 9-Tooth
		23300-P5110	
		23300-P5112	
H20	H	23300-20H12	Dry Gear Reduction
H20	KH	23300-K9160	11-Tooth Gear Reduction

## ALTERNATORS

Model	Serial #	Part #
CF01A15V	Up to Oct '81	23100-U0112
CF01A15V	From Nov '81 Up	23100-H6214
CPF02A25V	Up to May '81	23100-U0112
CPF02A25V	From June '81	23100-M0413
CPH01A15V	All	23100-B9810
CPH02A25V	All	23100-B9810
KPH02A25PV	All	23100-50K10
PF02A25V	Up to Oct '81	23100-U0112
PF02A25V	From Nov '81 Up	23100-H6214

## COOLING

Model	Water Pump Mounting Gasket	Water Pump	Water Pump Kit	Upper Hose	Lower Hose	Thermostat	Thermostat Gasket	Radiator Cap	Fan Blade	Belt
CF01A15V	21074-13200	21010-11600	N/A	21501-L3200	21503-L3200	21200-F3100	11062-48300	21430-89906	21060-48210	11720-N9710
CPF02A25V	21014-78202	21010-L1100	N/A	21501-L1100	21503-L1102	21200-H7800	11602-S3001	21430-89906	21060-48210	11720-L1102
CPH01A15V (Cushion)	21014-00H00	21010-L1126	21020-00H00	21501-06H03	21503-06H03	21200-G3160	11062-21000	21430-01F01	21060-48210	11720-B1101
CPH01A15V (Pneumatic)	21014-00H00	21010-L1126	21020-00H00	21501-05H03	21503-05H03	21200-G3160	11062-21000	21430-01F01	21060-48210	11720-B1101
CPH02A25V (Cushion)	21014-00H00	21010-L1125	21020-00H01	21501-24H03	21503-24H03	21200-G3160	11062-21000	21430-01F01	21060-48210	11720-B1101
CPH02A25V (Pneumatic)	21014-00H00	21010-L1125	21020-00H01	21501-15H03	21503-15H03	21200-G3160	11062-21000	21430-01F01	21060-48210	11720-B1101
KCPH02A25PV (Cushion)	21014-07N00	21010-50K26	N/A	21501-90K10	21503-90K10	21200-53J00	11062-07N00	21430-91H00	21060-50K00	02117-00511
KPH02A25PV (Pneumatic)	21014-07N00	21010-50K26	N/A	215101-90K00	21503-90K00	21200-53J00	11062-07N00	21430-91H00	21060-50K00	02117-00511
PF02A25V	21014-00H00	21010-L1125	21020-00H01	21501-L1100	21503-L1102	21200-H7800	11062-S3001	21430-89906	21060-48210	11720-B1101



# Toyota—Quick Reference

## TUNE-UP

Engine	Cap	Rotor	Points	Condenser	Wire Set	Spark Plugs
4Y 3/88-9/89	19101-71010	19102-63010	X	X	90919-22132	90919-01055
4Y 9/89-9/91	19101-71010	19102-63010	X	X	90919-22132	90919-01055
4Y 9/91-up	19101-71010	19102-63010	X	X	90919-22132	90919-01055

## FILTERS

Model	Engine	Air Filter: Primary	Air Filter: Secondary	Oil Filter	Hydraulic Filter: Suction	Hydraulic Filter: Return
2FBCA15-11596	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FBCA15-11697	Electric	Electric	Electric	Electric	78501-20050-71	67502-20540-71
2FBCA15-11702	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FBCA15-12279	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FBCA15-12517	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FBCA15-13605	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FBCA15-20235	Electric	Electric	Electric	Electric	78501-20050-71	67502-20540-71
2FBCA15-20439	Electric	Electric	Electric	Electric	78501-20050-71	67502-20540-71
2FD25-10218	4P	17752-20540-71		15601-78101-71		
2FGBCA20-10525	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FGBCA20-11035	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FGBCA20-11069	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FGBCA20-11071	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FGBCA20-11657	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FGBCA20-12346	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FGBCA20-12482	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FGBCA20-12863	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
2FGBCA20-13522	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
3FG35-11344	2F	23613-24550-71	23612-24550-71	15600-41010		
402FGC25-60402	5R	17801-20300-71		15601-40020		
403FGC15-11008	4P	17801-45020		15601-20550-71		
403FGC15-12339	5R	17801-20300-71		15601-40020		
403FGC15-13618	4P	17801-45020		15601-20550-71		
403FGCC15-10156	4P	17801-45020		15601-20550-71		
404FGC25-17105	5R	17792-22000-71	17791-22000-71	15601-20550-71		
404FGC25-17330	5R	17792-22000-71	17791-22000-71	15601-20550-71		
405FG18-13410	4Y	17803-23000-71	17804-23000-71	15601-33021		
40FG18-10767	5R	17792-22000-71	17791-22000-71	15601-25010		
40FG25-60014	5R	17801-25040-71		15601-20550-71		
40FGC25-10061	4P	17801-20540-71		15601-78001-71		
40FGC25-10242	4Y	17803-23001-71	17804-23000-71	15601-33021		
40FGC25-10559	4Y	17803-23001-71	17804-23000-71	15601-33021		
40FGC25-10567	4Y	17803-23001-71	17804-23000-71	15601-33021		
40FGC25-10594	4Y	17803-23001-71	17804-23000-71	15601-33021		
40FGC25-10916	4Y	17802-23000-71	17804-23000-71	15601-33021		
40FGC25-11620	4Y	17803-23001-71	17804-23000-71	15601-33021		
40FGC25-11927	4Y	17803-23001-71	17804-23000-71	15601-33021		
40FGC25-12688	5R	17792-22000-71	17791-22000-71	15601-20550-71		
40FGC25-14747	4Y	17803-23001-71	17804-23000-71	15601-33021		
40FGC25-15056	5R	17792-22000-71	17791-22000-71	15601-20550-71		
40FGC25-16353	4Y	17803-23001-71	17804-23000-71	15601-33021		

# Toyota—Quick Reference

## FILTERS cont.

Model	Engine	Air Filter: Primary	Air Filter: Secondary	Oil Filter	Hydraulic Filter: Suction	Hydraulic Filter: Return
40FGC25-60097	5R	17792-22000-71	17791-22000-71	15600-25010		
40FGC25-70028	4Y	17803-23000-71	17804-23000-71	15601-76001-71		
40FGC25-70068	2J	17803-23001-71	17804-23000-71	15600-41010		
40FGC25-70714	4Y	17803-23001-71	17804-23000-71	15601-33021		
40FGC25-74552	4Y	17803-23001-71	17804-23000-71	15601-33021		
40FGC25-80777	4Y	17803-23001-71	17804-23000-71	15601-33021		
42-FG20-10986	2R	17801-23020		04152-31011		
5FBC15-10020	Electric	Electric	Electric	Electric	67501-12900-71	67502-13300-71
5FBC15-11225	Electric	Electric	Electric	Electric	67501-12900-71	67502-13300-71
5FBE15-15250	Electric	Electric	Electric	Electric	67501-12900-71	67502-13300-71
5FBE18-10353	Electric	Electric	Electric	Electric	67501-20540-71	67502-20540-71
5FBE18-10791	Electric	Electric	Electric	Electric	67501-12900-71	67502-13300-71
5FBE18-11150	Electric	Electric	Electric	Electric	78501-20050-71	67502-23000-71
5FG30-10249	4Y	17803-23000-71	17804-23000-71	15601-33021		
5FGCU30-62125	4P	17801-20540-71		15600-25010		
5FGCU30-70027	5R	17801-20540-71		15601-20550-71		
5FGCV30-70071	4Y	17803-23000-71	17804-23000-71	15601-33021		
F8300541	5R	17801-20540-71		15601-20550-71		
FBH9-10656	Electric	Electric	Electric	Electric	67501-12900-71	67502-13300-71
FBH9-350650	Electric	Electric	Electric	Electric	67501-10341-71	65410-12260-71
FBH9-3556	Electric	Electric	Electric	Electric	67501-10341-71	65410-12260-71
FG20-17230	2R	17801-23020		04152-31011		
FGA7-100767	4P	17801-20540-71		15601-96001		
FGC15-11049	5R	17801-20300-71		15601-40020		
FGC35-10039						78383-10060-71
FGC35-11012					67501-31960-71	67502-20540-71
FGC45-10873					67501-31960-71	67502-20540-71

## COOLING

Model	Engine/ Serial #	Water Pump Mounting Gasket	Water Pump	Water Pump Kit	Upper Hose	Lower Hose	Thermostat	Thermostat Gasket	Radiator Cap	Fan Blade	Belt
2FG20-25	4P Engine	16124-20010	16100-96002	N/A	16571-20541-71	16572-20540-71	90916-03021	16341-40010	16401-48030	16312-10112-71	99512-11039
3FGC20-25	5R Engine	16129-33030	16100-96052	N/A	16571-20550-71	16572-20551-71	90916-03024	16341-49010	16401-23070	16361-22020-71	99512-11068
3FG20-25	10/72—4/82 4P Engine	16124-76001-71	16120-23010	N/A	16581-22000-71	16572-22000-71	90916-03037	16341-40010	16401-23070	16312-76002-71	16371-76002-71
4FG20-25	5/82—8/86 4P Engine	16124-76001-71	16120-76001-71	N/A	16511-22000-71	16512-22000-71	90916-03037	16341-40010	16401-23070	16361-32080-71	99312-01035
4FGC20-25	5/82—8/86 4P Engine	16124-76001-71	16120-76001-71	N/A	16511-22000-71	16512-22000-71	90916-03037	16341-40010	16401-23070	16361-32080-71	99312-01035
5FG20-25	8/86—8/89 4P Engine	16271-76001-71	16120-78007-71	N/A	16311-23000-71	16512-23000-71	90916-03061	16341-78300-71	16401-23000-71	16361-22040-71	99322-01180
5FGC28, 30	8/86—8/89 4Y Engine	16271-76001-71	16120-78007-71	N/A	16311-23000-71	16512-23000-71	90916-03061	16341-78300-71	16401-23000-71	16361-22040-71	90916-02952-71
5FGC 18-25	89+ 4Y Engine	16129-76001-71	16120-78151-71	N/A	16511-12620-71	16512-12620-71	90916-03950-71	16341-71011	16401-23000-71	16361-20360-71	90916-02952-71
5FGC18-25 (1989 +)	89+ 4Y Engine	16129-76001-71	16120-78151-71	N/A	16511-12620-71	16512-12620-71	90916-03950-71	16341-71011	16401-23000-71	16361-20360-71	90916-02952-71
6FGU15-18	95+ 4Y Engine	16129-76001-71	16120-78151-71	N/A	16511-23621-71	16512-23620-71	90916-03950-71	16341-71011	16401-U2000-71	16361-23860-71	90916-03952-71
6FGU15-18	95+ GM4181 Engine	16129-76001-71	16120-78151-71	N/A	16511-22820-71	16512-22820-71	16302-U2120-71	16341-U2120-71	16401-U2000-71	16361-23860-71	16372-13010-71
6FGU20-25	95+ 4Y Engine	16129-76001-71	16120-78151-71	N/A	16511-23621-71	16512-23620-71	90916-03950-71	16341-71011	16401-U2000-71	16361-23860-71	90916-03952-71
6FGU20-25	95+ GM4181 Engine	16129-76001-71	16120-78151-71	N/A	16511-22820-71	16512-22820-71	16302-U2120-71	16341-U2120-71	16401-U2000-71	16361-23860-71	16372-13010-71
6FGU30	95+ 4Y Engine	16129-76001-71	16120-78151-71	N/A	16511-23621-71	16512-23620-71	90916-03950-71	16341-71011	16401-U2000-71	16361-23860-71	90916-03952-71
6FGU30	95+ GM4181 Engine	16129-76001-71	16120-78151-71	N/A	16511-22820-71	16512-22820-71	16302-U2120-71	16341-U2120-71	16401-U2000-71	16361-23860-71	16372-13010-71
5FG10, 14, 15, 18 9/89+	89+ 4Y Engine	16129-76001-71	16120-78151-71	N/A	16511-12620-71	16512-12620-71	90916-03950-71	16341-71011	16401-23000-71	16361-23060-71	90919-02952-71
5FG10, 14, 15, 18 9/89 +	89+ 4Y Engine	16129-76001-71	16120-78151-71	N/A	16511-12620-71	16512-12620-71	90916-03950-71	16341-71011	16401-23000-71	16361-23060-71	90919-02952-71
5FGC10, 13, 15††	89+ 4Y Engine	16129-76001-71	16120-78151-71	N/A	16511-12620-71	16512-12620-71	90916-03950-71	16341-71011	16401-23000-71	16361-23060-71	90919-02952-71



# Toyota—Quick Reference

## BRAKES

Model	Brake Shoe	Brake Adjuster	Wheel Cylinder	Wheel Cylinder Repair Kit	Master Cylinder	Master Cylinder Repair Kit
2FG20-25	47403-20541-71	47450-20540-71 (Right) 47460-20540-71 (Left)	47410-20540-71 (Right) 47420-20541-71 (Left)		47210-20542-71	04471-20053-71
3FG20-25	47403-20541-71	47450-20540-71 (Right) 47460-22540-71 (Left)	47410-22000-71 (Right) 47420-22000-71 (Left)	04475-20020-71	47210-22000-71	04471-20080-71
4FG20-25	47403-22000-71	47450-22000-71 (Right) 47460-22000-71 (Left)	47410-22000-71 (Right) 47420-22000-71 (Left)	04475-20020-71	47210-22000-71	04471-20080-71
3FGC20-25	47420-20411-71R (Front) 47430-30411-71 ( Left) 47410-30411-71R (Rear) 47440-30411-71 (Left)	47450-30411-71 (Right) 47460-30411-71 (Left)	47510-30413-71 (Right) 47520-30411-71 (Left)	04475-30020-71	47210-20542-71	04471-20053-71
4FGC20-25	47504-22752-71 (Front) 47505-22752-71R (Rear) 47506-22752-71 (Left)	47450-21800-71 (Right) 47460-21800-71 (Left)	47410-21800-71	04475-20030-71	47210-22000-71	04471-20080-71
5FG20-25	47403-22000-71	47450-22000-71 (Right) 47460-22000-71 (Left)	47410-22000-71 (Right) 47420-22000-71 (Left)	04475-20020-71	Booster 47210-23010-71	Booster Kit 04472-20020-71
5FGC 18-25	47504-22752-71 (Front)	47450-21800-71 (Right)	47410-21800-71	04475-20030-71	Booster	Booster Kit
5FGC18-25 (1989 +)	47405-23000-71 (4)	47450-22000-71 (Right) 47460-22000-71 (Left)	47410-22000-71 (Right) 47420-22000-71 (Left)	04475-20020-71	47210-23810-71	04472-20030-71
6FGU15-18	47405-13000-71 47506-13000-71	47607-10110-71	47410-10480-71	04475-10020-71	47530-U2100-71	04471-10090 71
6FGU20-25	47405-23600-71	47450-23600-71	47410-20540-71 (Right) 47420-20540-71 (Left)	04475-20010-71	47530-U2100-71	04471-10090-71
6FGU30	47405-33660-71	47450-33660-71 (Right) 47460-33660-71 (Left)	47410-20540-71 (Right) 47420-20540-71 (Left)	04475-20010-71	475630-U2100-71	04471-10090-71
5FG10, 14, 15,	47403-10480-71(Front) 18 8/86-9/89 (Right) 47404-10480-71 (Rear) (8/86-11/87) (Left) 47405-13000-71 (Front) 47406-13000-71 (Rear) (11/87-9/89)	47210-13002-71	47410-10480-71	04475-10020-71	04471-10101-71	47607-10110-71  47707-10110-71
5FG10, 14, 15, 18 9/89 +	47505-13000-71 (Front) 47506-13000-71 (Rear)	47210-13002-71	47410-10480-71	04475-10020-71	04471-10101-71	47607-10110-71 (Right) 47707-10110-71 (Left)
5FGC10, 13, 15, 9/88 +	47405-13000-71 (2) 47405-12620-71 (1) , 47404-12620-71 (1)	47210-13002-71	47410-11630-71	04475-10020-71	04471-10101-71	47450-11630-71(Right) 47460-11630-71 (Left)
5FGC28, 30, 3/88 +	47403-22750-71 (2) 47404-22750-71 (1) 47405-22750-71 (1)	47210-23810-71	47410-21800-71	04475-20030-71	04472-20030-71	47450-32500-71 (Right) 47460-21800-71 (Left)

## NOTES

# Toyota—Quick Reference

## STARTERS

Engine	Part #	Type
4P, 5P, 5R	28100-40061	Dry-9 Tooth
	28100-34010	
	28100-34080-84	
	28100-40060	
	28100-40060-84	
5R	28100-40041	Dry
	28000-20541-71	
	28100-20540-71	
	28100-20541-71	
	28100-36070	
	28100-37010	
	28100-37011	
	28100-40040	
	28100-40050	
4P, 5P, 5R, 4Y	28100-20552-71	Dry-Gear Reduction
	28100-20550-71	
	28100-20551	
	28100-20551-71	
	28100-20552	
2R, 5R	28100-40015	Dry
	28100-31020	
	28100-31021	
	28100-40010	
	28100-40014	
2F	28100-60041	Wet
	28100-60040	
	28100-60042	
5K	28100-23180-71	Dry-Gear Reduction
4Y, 5K	28100-22002-71	Wet-Gear Reduction

## ENGINES

Model #	Serial / Lot #	Engine #
FG20	All w/Engine Serial #'s. from 1494166 To 1602810 (1 Diameter Crank Snout)	5R-1
FG25		
40-2FG20		
40-2FG25		
40-3FG10		
40-3FG15	All w/Engine Serial #'s. 1602811 and above (1 1/8 Diameter Crank Snout)	5R-1125
40-2FG20		
40-2FG25		
40-3FG10		
40-3FG15		
40-3FG20		
40-3FG25		
40-4FG10		
40-4FG20		
40-4FG25		

# Toyota—Quick Reference

## ENGINES cont.

Model #	Serial / Lot #	Engine #
FG23	Prior to 6/83 (Gear Driven Hydraulic Pump)	4P
2FG20		
2FG25		
3FG10		
3FG15		
3FG20		
3FG25		
4FG20		
4FG25		
3FGC10		
3FGC15		
3FGC20		
3FGC25		
FGC18		
FGC23		
4FGC20		
4FGC25		
2FD10	All w/Engine Serial #'s. from 088122 Thru 161801	2J-B*
2FD15		
2FD20		
2FD25		
2FD30		
3FD10		
3FD15		
3FD20		
3FD25		
3FD30		
FDC15		
FDC20		
FDC25		
FDC30		
2FDC20		
2FDC25		
7FGU15		4Y
7FGU18		
7FGU20		
7FGU30		
7FGU32		
7FDU15		1DZ
7FDU18		
7FDU20		
7FDU25		
7FDU30		
7FDU32		
7FGCU20		4Y
7FGCU25		
7FGCU30		
7FGCU32		



# Yale—Quick Reference

## TUNE-UP

Engine	Cap	Rotor	Ignition Kit	Spark Plugs	Wire Set	Air Filter	Hydraulic Oil Filter (Return Line)	Oil Filter	Transmission Filter
UA Engine used after serial number 342378 / B.I.D	512795805	512796802	X	517450800	900293816	515865800	513498801	901517400	900934302
UA Engine used before serial number 342377 / B.I.D.	512795805	512796802	X	517450800	904144100	515865800	513498801	901517400	900934302
UA Engine used after serial number S-342378	900294801	X	904145100	517450800	900293816	515865800	513498801	901517400	900934302
UA Engine used after serial number S-342377	900294801	X	904145100	517450800	904144100	515865800	513498801	901517400	900934302
UA Engine CD-65	512795802	512796801	X	513625800	904144100	515865800	513498801	901517400	900934302
VA Engine	900294801	901339801	X	517450800	900537824	515865800	900506401	901517400	907172400
FE Engine	901580802	901357803	X	150079000	901303803	901277817	910544400	901301815	910361400

## BRAKES

Model/Series	Brake Shoe	Wheel Cylinder LH	Wheel Cylinder RH	Wheel Cylinder Repair Kit	Master Cylinder	Master Cylinder Repair Kit
G83C 40-50 W/Wagner Brake	057016700	058360100	058360000	020353100	017020900	016833900
G83C 60-100, G83P60-100	513571801 (2)	513559801	513559801	513572800	514915400	514154800
G83P 30-50 W/Rockwell Brake	511667400	510478802	510478801	511320000	065797600	501494800
GC20-40 GP20-30	900094834	900094804	900094827	904165100	907849400	900867850
GC35-55 W/Cont Eng (W/Rockwell Brake)	511667400	510478802	510478801	511320000	065797600	501494800
GC60-80L W/Slant Six (W/Bendix Brk)	513571804 (2)	513559801	513559801	513572800	501337500	517821804
GC60-80, L, GP40-60S (W/Ford Engine)	513571801 (2)	513559801	513559801	513572800	530001400	515229800
GP40-60RA W/Bendix Brake	513571804 (2)	513559801	513559801	513572800	903253400	903254400
GP40-60RB	903196400 (2)	900488803	900488803	904133300	907849400	900867850
GP60-80L W/Slant Six (W/Bendix Brake)	513571801 (2)	513559801	513559801	513572800	501337500	517821804
GC, GP30-40 AE	915046300 (2)	900094804 (Left)	900094827 (Right)	904165100	915435400	901232850
GC< GP30 BE/CE						
GDC, GDP40-50 DE/RE	918259300 (2)	900488803	900488803	904133300	915435400	901232850
GC020-030 CB	907083400	900094804 (Left)	90094827 (Right)	904165100	915435400	901232850
GC30-40 AB						
GC/GP020-030CD/BD	914210300	900094804 (Left)	900094827 (Right)	904165100		901232850
XDS-CD/BD						
GC/GP030-040AD	914210300	900094804 (Left)	90094827 (Right)	904165100	915435400	901232850
YDS-AD						
GC/GP040-060RD	903196400	900488803	904133300	904133300	915435400	901232850
GC/GP040-060RD	911859400	900488803	900488803	904133300	915435400	901232850
YDS-RD						

## NOTES

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# Yale—Quick Reference

## STARTERS

Engine	Part #	Model	Type
Continental	110749300	G52C	Dry 6V
	505153000		
	031315300		
Chrysler/Continental	MDT-6021	G82C 20-30	Dry 12V
	509930400	G15C 30-50	
	064670600	GC, GLC 35-55	
	509930800	G51C 40-100 G83C 40-100	
Chrysler	MDU-6019	G83C 40-100	Dry
	513636600	G83P 40-100	
	514733400	GC, GLC 100-150	
	MDT-7025		
	517783000 517612400		
Mazda UA	900595801	GC, GLC 20-30	Dry
	902233300	GP, GLP 20-30	
Mazda VA	900540849	GC, GLC 35-50	Dry
		GP, GLP 35-50	
Mazda FE	900540857	GC, GLC, GTC 40-60 RD	Dry
		GP, GLP, GTP 40-60 RD	
Ford	530084602	GC, GLC 40-80	Dry

## ALTERNATORS

Model	Engine	Part #
G, GLC 20-40	Mazda UA	150016000
G, GLP 20-40	Mazda VA	900612817
GC, GP 40-60	Mazda FE	901285801

## ENGINE

Engine Type	OEM	Model	Information
UA	Mazda	GC 20-30	All serial numbers w/ aluminum cover. Except engine w/ accessory. (cast iron cover) drive front cover
H225	Slant 6 Chrys.	G83C 40-120	
		G83P 30-100	
		G81	
		G86	
		GC60-80	
		GP60-80	
		GC100-150	
		GP100-150	

## NOTES

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# Yale—Quick Reference

## COOLING

Model	Engine/ Serial #	Water Pump Mounting Gasket	Water Pump	Water Pump Kit	Upper Hose	Lower Hose	Thermostat	Thermostat Gasket	Radiator Cap	Fan Blade	Belt
G83P60-100 SA,SB,SW		513503812	512781801	514184800	516621400	517726400	513627802	513503811	511376800	56756300	502469909
G83P 30-50 with Rockwell Brake SA,SB,SW		513503812	512781801	514184800	516621400	517726400	513627802	513503811	511376800	56756300	502469909
GC60-80 BC		513503812	514382801	515816800	519997400	501419500	516619800	22527100	517818800	62766400	65019900
G83C 40-50 with Wagner Brake SA,SB,SW		513503812	515354612	514184800	65115800	517726400	515354622	513503811	511376800	56756300	502469909
G83C 60-100, SA,SB,SW		513503812	515354612	514184800	65115800	517726400	515354622	513503811	511376800	56756300	502469909
GC60-80 LC		513503812	515354621	N/A	905707600	909241400	518697803	N/A	909639100	56756300	908572400
GP40-60RA with Bendix Brake		513503812	515354621	N/A	908838400	908837400	901282818	901282820	909639100	530441601	502028902
GC60-80 LA		516041889	518591001	N/A	530075300	530065400	516041893	516041896	511376800	530441601	516040879
GP60-80L with Slant Six (with Bendix Brake)		516041889	518591001	N/A	530075300	530065400	516041893	516041896	511376800	530441601	516040879
GP40-60RB		NSS	518591005	902228300	902760400	902761400	904140100	900535807	900498802	900534803	900534806
GC020-030 CB	VA	NSS	518591005	902228302	908229400	907357400	900292863	900292823	909536100	900534860	900890817
GC020-030 CB	UA	NSS	518591005	902228302	908229400	907357400	900292863	900292823	909536100	900534860	900890818
GC20-40 CB	VA	NSS	518591006	902228302	908229400	907357400	900292863	900292823	N/A	900534860	900890818
GC20-40 CB	UA	NSS	518591006	902228302	908229400	907357400	900292863	900292823	N/A	900534860	900890817
GP20-30 CB	VA	NSS	518591006	902228302	908229400	907357400	900292863	900292823	N/A	900534860	900890818
GC30-40 AB	VA	NSS	518591006	902228302	908229400	907357400	900292863	900292823	909536100	900534860	900890817
GC30-40 AB	UA	NSS	518591006	902228302	908229400	907357400	900292863	900292823	909536100	900534860	900890817
GC60-80 LB		NSS	518697801	N/A	501222500	501384500	518697803	N/A	517695800	56756300	65373900
GC60-80 RC		NSS	900894801	N/A	908229400	908228400	900292863	900292823	909536100	900534860	900539818
GC020-030 CB		NSS	900894851	902228302	908229400	907357400	900292863	900292823	909536100	900534860	900890817
GDC, GDP40-50 DE/RE		504259740	901096872	N/A	915381400	915418400	901096816	901083809	912553100	901302844	
GC20-40 CD		901282806	901282801	901282811	911390400	911569400	901282818	901282820	909639100	900534860	901282828
GP20-30 CD		901282806	901282801	901282811	911390400	911569400	901282818	901282820	909639100	900534860	901282828
GC/GP020-030CD/BD		901282806	901282801	901282811	911390400	911569400	901282818	901282820	909639100	900534860	901282828
XDS-CD/BD		901282806	901282801	901282811	911390400	911569400	901282818	901282820	909639100	900534860	901282828
GC20-40 CE		901282806	901282851	908282811	915416403	915760400	901282845	900292823	901768801	900534860	901282828
GP20-30 CE		901282806	901282851	908282811	915416403	915760400	901282845	900292823	901768801	900534860	901282828
GC30 BE/CE		901282806	901282851	908282811	915416403	915760400	901282845	901282846	901768801	900534860	901282828
GP30 BE/CE		901282806	901282851	908282811	91541640	915417402	901282845	901282846	901768801	900534860	901282828
GC60-80 RD		901302803	901302802	901302806	530075300	530065400	901282818	901282820	909639100	530441601	502028902
GP30-40 AE		901302803	901302802	901302806	916137400	915500401	901282845	901282846	912553100	901302844	
GC30-40 AE		901302803	901302802	901302806	915379402	915500402	901282845	901282846	912553100	901302844	
GC/GP030-040AD		901302803	901302802	901302806	911391400	911392400	901282818	901282820	909639100	900534860	901303815
GC/GP040-060RD		901302803	901302802	901302806	530075300	530065400	901282818	901282820	909639100	530441601	502028902
GC/GP040-060RD		901302803	901302802	901302806	530075300	530065400	901282818	901282820	909639100	530441601	502028902
GC20-40 AA		900292810	902230300	902228300	900193301	900194300	904140100	900292823	900327802	902229300	904143100
GC20-40 UA		900292810	902230300	902228300	900193301	900194300	904140100	900292823	900327802	902229300	904143100
GC20-40 UM		900292810	902230300	902228300	900193301	900194300	904140100	900292823	900327802	902229300	904143100
GP20-30 AA		900292810	902230300	902228300	900193301	900194300	904140100	900292823	900327802	902229300	904143100
GP20-30 UA		900292810	902230300	902228300	900193301	900194300	904140100	900292823	900327802	902229300	904143100
GP20-30 UM		900292810	902230300	902228300	900193301	900194300	904140100	900292823	900327802	902229300	904143100
GC35-55 W/Cont Engine (with Rockwell Brake)		900292810	902230300	902228300	900193301	900194300	904140100	900292823	900327802	902229300	904143100

# Yale—Quick Reference

## STEERING

Model	Serial #	Steer Axle Assembly #	King Pin	King Pin Kit	Center Pin	Center Pin Kit	Inner Bearing	Outer Bearing	Inner Seal	Outer Seal
G83C 040 W/Wagner Brake		512288011	66616800	502553000	66616900	502552000	502514809	15139700	16167300	N/A
G83C-050 W/Wagner Brake		512288012	66616800	502553000	66616900	502552000	502514809	21016700	16167300	N/A
G83C-060 W/Wagner Brake		512288012	66616800	502553000	66616900	502552000	502514809	21016700	16167300	N/A
G83C-070 W/Wagner Brake		512288012	66616800	502553000	66616900	502552000	502514809	21016700	16167300	N/A
G83C 080 W/Wagner Brake		512288013	66616800	502553000	66616900	502552000	502514809	21016700	16167300	N/A
G83C-100 W/Wagner Brake		512288014	66616800	502553000	66616900	502552000	502514809	21016700	16167300	N/A
G83P 030	Chrysler Slant 6	512298001	66616800	502553000	66616900	502552000	15140200	21016700	16167300	N/A
G83P 040	Chrysler Slant 6	512298001	66616800	502553000	66616900	502552000	15140200	21016700	16167300	N/A
G83P 050	Chrysler Slant 6	512298001	66616800	502553000	66616900	502552000	15140200	21016700	16167300	N/A
G83P 060	Chrysler Slant 6	512298001	66616800	502553000	66616900	502552000	15140200	21016700	16167300	N/A
G83P 070	Chrysler Slant 6	512298002	66616800	502553000	66616900	502552000	15140200	21016700	16167300	N/A
G83P 080	Chrysler Slant 6	512298002	66616800	502553000	66616900	502552000	15140200	21016700	16167300	N/A
G83P 090	Chrysler Slant 6	512298002	66616800	502553000	66616900	502552000	15140200	21016700	16167300	N/A
G83P 100	Chrysler Slant 6	512298002	66616800	502553000	66616900	502552000	15140200	21016700	16167300	N/A
G83P 060	Industrial 30	501648017	66616800	502553000	66616900	502552000	15140200	21016700	16137300	N/A
G83P 070	Industrial 30	501648017	66616800	502553000	66616900	502552000	15140200	21016700	16137300	N/A
G83P 080	Industrial 30	501648017	66616800	502553000	66616900	502552000	15140200	21016700	16137300	N/A
G83P 090	Industrial 30	501648017	66616800	502553000	66616900	502552000	15140200	21016700	16137300	N/A
GC-020-AA		900096000	900008300	518482001	900008300	518482002	950517907	950517905	958506995	N/A
GC-030-AA		900096000	900008300	518482001	900008300	518482002	950517907	950517905	958506995	N/A
GC-035-AA		900457000	900008300	518482001	900008300	518482002	950517907	950517905	958506995	N/A
GC-040-AA		900457000	900008300	518482001	900008300	518482002	950517907	950517905	958506995	N/A
GC-030-AB	1982	930091001	900008300	518482001	900008300	518482002	950517907	950517905	958506995	N/A
GC-040-AB	1982	930091001	900008300	518482001	900008300	518482002	950517907	950517905	958506995	N/A
GC-020-CB	1982	900096000	900008300	518482001	900008300	518482002	950517907	950517905	958506995	N/A
GC-030-CB	1982	900096000	900008300	518482001	900008300	518482002	950517907	950517905	958506995	N/A
GP-040-RA		930052007	900008300	518482005	900008300	518482004	906113300	906114300	958506995	N/A
GP-050-RA		930052007	900008300	518482005	900008300	518482004	906113300	906114300	958506995	N/A
GP-060-RA		930052007	900008300	518482005	900008300	518482004	906113300	906114300	958506995	N/A
GP-040-RB		930052007	900008300	518482005	900008300	518482004	906113300	906114300	958506995	N/A
GP-050-RB		930052007	900008300	518482005	900008300	518482004	906113300	906114300	958506995	N/A
GP-060-RB		930052007	900008300	518482005	900008300	518482004	906113300	906114300	958506995	N/A
GC-030-AE		930126002	912410300	518482011	N/A	N/A	909932406	909932405	958506995	N/A
GC-040-AE		930126002	912410300	518482011	N/A	N/A	909932406	909932405	958506995	N/A
GP-030-AE		930126003	912410300	518482011	N/A	N/A	909932406	909932405	958506995	N/A
GP-040-AE		930126003	912410300	518482011	N/A	N/A	909932406	909932405	958506995	N/A
GC-030-BE		930126003	912410300	518482011	N/A	N/A	909932406	909932405	958506995	N/A
GC-030-CE		930126003	912410300	518482011	N/A	N/A	909932406	909932405	958506995	N/A
GP-030-BE		930126001	912410300	518482011	N/A	N/A	909932406	909932405	958506995	N/A
GP-030-CE		930126001	912410300	518482011	N/A	N/A	909932406	909932405	958506995	N/A
GDC-040-DE		930126004	912410300	518482009	N/A	N/A	909932407	909932405	958506999	N/A
GDC-050-DE		930126004	912410300	518482009	N/A	N/A	909932407	909932405	958506999	N/A
GDP-040-DE		930126004	912410300	518482009	N/A	N/A	909932407	909932405	958506999	N/A
GDP-050 DE		930126004	912410300	518482009	N/A	N/A	909932407	909932405	958506999	N/A
GDC-040-RE		930126004	912410300	518482009	N/A	N/A	909932407	909932405	958506999	N/A
GDC-050-RE		930126004	912410300	518482009	N/A	N/A	909932407	909932405	958506999	N/A
GDP-040-DE		930126004	912410300	518482009	N/A	N/A	909932407	909932405	958506999	N/A
GDP-050 DE		930126004	912410300	518482009	N/A	N/A	909932407	909932405	958506999	N/A
GC-020-BD		930111003	912410300	518482011	N/A	N/A	909932406	909932405	958506995	N/A
GC-020-CD		930111003	912410300	518482011	N/A	N/A	909932406	909932405	958506995	N/A