

# Special Tools

## 5. Engine

Number	Tool Number	Description	Q'ty	Remarks
①	07GAF-PH70100	Pilot Collar	1	
②	07HAD-PJ70200	Valve Guide Seal Installer	1	
③	07HAF-PL20102	Piston Base Head	1	
④	07HAH-PJ70100	Valve Guide Reamer 5.5mm	1	
⑤	07JAB-0010000	Crank Pulley Holder Set	1	
⑤-1	07JAA-0010200	Socket Wrench 19 mm	(1)	
⑤-2	07JAB-0010200	Handle	(1)	
⑥	07JAB-0010400	Pulley Holder Attachment HEX 50 mm	1	
⑦	07JAZ-SH20100	R.P.M. Connecting Adaptor	1	
⑧	07JGG-0010100	Belt Tension Gauge	1	
⑨	07KAK-SJ40100	Engine Tilt Hanger Set	1	
⑩	07LAF-PT20100	Bearing Replacement Tool Set	1	
⑪	07LAG-PT20100	Balancer Shaft Lock Pin	1	
⑫	07LAZ-PT30100	R.P.M. Connecting Adaptor	1	
⑬	07LAZ-PT30110	R.P.M. Connecting Adaptor (A)	1	Component Tools
⑭	07LAZ-PT30120	R.P.M. Connecting Adaptor (B)	1	
⑮	07406-0030000	Oil Pressure Gauge Adaptor	1	
⑯	07746-0010300	Driver Attachment 42 x 47 mm	1	for Crankshaft
⑰	07746-0010400	Driver Attachment 52 x 55 mm	1	for Balancer Shaft
⑱	07749-0010000	Driver	1	
⑲	07757-0010000	Valve Spring Compressor	1	
⑳	07912-6110001	Oil Filter Socket	1	
㉑	07924-PD20003 or 07924-PD20002	Ring Gear Holder	1	
㉒	07942-0010100	Valve Guide Remover 5.5 mm	1	
㉓	07942-8920000	Valve Guide Driver 5.5 mm	1	
㉔	07948-SB00101	Driver Attachment	1	
㉕	07973-PE00310	Piston Pin Driver Shaft	1	
㉖	07973-PE00320	Piston Pin Driver Head	1	
㉗	07973-PE00400	Piston Pin Base Insert	1	
㉘	07973-6570500	Piston Base	1	
㉙	07973-0570600	Piston Base Spring	1	



## 6. Fuel and Emissions

Number	Tool Number	Description	Q'ty	Remarks
①	07JAZ—SH20100	R.P.M. Connecting Adaptor	1	
②	07LAA—PT50100	O <sub>2</sub> Sensor Socket Wrench	1	
③	07LAJ—PT30100	ECU Test Harness	1	
④	07LAJ—PT30200	Test Harness	1	
⑤	07LAZ—PT30100	R.P.M. Connecting Adaptor	1	
⑤-1	07LAZ—PT30110	R.P.M. Connecting Adaptor (A)	(1)	—Component Tools
⑤-2	07LAZ—PT30120	R.P.M. Connecting Adaptor (B)	(1)	
⑥	07406—0040001	Fuel Pressure Gauge Set	1	—Component Tools
⑥-1	07406—0040100	Pressure Gauge	(1)	
⑥-2	07406—0040201	Hose Assembly	(1)	
⑦	07411—0020000	Digital Circuit Tester	1	
⑧	07614—0050100	Fuel Line Clamp	1	

## 7. Clutch

Number	Tool Number	Description	Q'ty	Remarks
①	07JAF—PM7011A	Clutch Alignment Disc	1	
②	07LAF—PT00110	Clutch Alignment Shaft	1	
③	07924—PD20003 or 07924—PD20002	Ring Gear Holder	1	
④	07936—3710100	Handle	1	

## 8. Manual Transmission

Number	Tool Number	Description	Q'ty	Remarks
①	07GAJ—PG20102	Mainshaft Inspection Tool Set	1	—Component Tools
①-1	07GAJ—PG20110	Mainshaft Holder	(1)	
①-2	07GAJ—PG20130	Mainshaft Base	(1)	
②	07HAJ—PK40201	Preload Inspection Tool	1	—Component Tools
③	07JAC—PH80000	Adjusting Bearing Remover Set	1	
③-1	07JAC—PH80100	Bearing Remover Attachment	(1)	
③-2	07JAC—PH80200	Bearing Remover Handle	(1)	
③-3	07741—0010201	Bearing Remover Weight	(1)	07944—6110100 may also be used
④	07JAD—PH80400	Pilot Driver 28 mm	1	
⑤	07JAD—SH30100	Oil Seal Driver	1	
⑥	07744—0010400	Pin Driver 5.0 mm	1	
⑦	07746—0010300	Attachment 42 x 47 mm	1	
⑧	07746—0010400	Attachment 52 x 55 mm	1	
⑨	07746—0010500	Attachment 62 x 68 mm	1	
⑩	07746—0010600	Attachment 72 x 75 mm	1	
⑪	07746—0030100	Driver	1	
⑫	07746—0030200	Inner Driver 25 mm	1	
⑬	07749—0010000	Driver	1	
⑭	07944—SA00000	Pin Driver 4.0 mm	1	
⑮	07947—6110501	Oil Seal Driver	1	
⑯	07979—PJ40001	Magnet Stand Base	1	

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## 9. Automatic Transmission

Number	Tool Number	Description	Q'ty	Remarks
①	07GAB—PF50100	Mainshaft Holder	1	<div>Component Tools</div> May also be used when combined with 07HAC—PK40100
②	07GAD—PG20100	Pin Driver 5.0 mm	1	
③	07GAE—PG40200	Clutch Spring Compressor Set	1	
③-1	07HAE—PL50100	Clutch Spring Compressor Attachment	(1)	
③-2	07GAE—PG40200	Clutch Spring Compressor Bolt Assembly	(1)	
③-3	07960—6120101	Clutch Spring Compressor Attachment	(1)	
④	07GAJ—PG20200	Preload Inspection Tool	1	
⑤	07HAC—PK40101	Housing puller	1	
⑤-1	07HAC—PK40110	Puller Base, Replacement	(1)	
⑥	07JAC—PH80000	Adjusting Bearing Remover Set	1	<div>Component Tools</div>
⑥-1	07JAC—PH80100	Bearing Remover Attachment	(1)	
⑥-2	07JAC—PH80200	Bearing Handle Assembly	(1)	
⑥-3	07741—0010201	Remover Weight	(1)	
⑦	07JAD—PH80101	Driver Attachment	1	
⑧	07JAD—PH80400	Pilot Driver 28 x 30 mm	1	
⑨	07JAD—PN00100	Driver Attachment	1	
⑩	07LAF—PX40100	Clutch Spring Compressor Attachment	1	
⑪	07LAJ—PT30100	ECU Test Harness	1	
⑫	07406—0020003	Oil Pressure Gauge	1	
⑬	07406—0020201	Oil Pressure Gauge Hose	1	
⑭	07406—0070000	Low Pressure Gauge	1	
⑮	07746—0010400	Attachment 52 x 55 mm	1	
⑯	07746—0010500	Attachment 62 x 68 mm	1	
⑰	07746—0010600	Attachment 72 x 75 mm	1	
⑱	07746—0030100	Driver 40 mm I.D.	1	
⑲	07749—0010000	Driver	1	
⑳	07947—6340500	Driver Attachment E	1	

## 10. Driveshafts

Number	Tool Number	Description	Q'ty	Remarks
①	07GAD—PG40100	Seal Driver Attachment	1	
②	07GAF—SD40700	Hub Dis/Assembly Base	2	
③	07LAD—SM40100	Seal Driver Attachment	1	
④	07LAF—SM40300	Support Base Attachment	1	
⑤	07746—0010200	Attachment, 37 x 40 mm	1	
⑥	07746—0010300	Attachment, 42 x 47 mm	1	
⑦	07746—0030100	Driver, 40 mm I.D.	1	
⑧	07749—0010000	Driver	1	
⑨	07947—SD90101	Seal Driver Attachment	1	
⑩	07965—SD90100	Support Base	1	



## 11. Steering

Number	Tool Number	Description	Q'ty	Remarks
①	07GAG—SD40300	Cylinder End Seal Slider	1	
②	07HAG—SF10100	Piston Seal Ring Guide	1	
③	07HAG—SF10200	Piston Seal Ring Sizing Tool	1	
④	07HAG—SF10300	Pinion Seal Ring Guide	1	
⑤	07JGG—0010100	Belt Tension Gauge	1	
⑥-1	07LAK—SM40110	P/S Joint Adaptor (Pump)	1	
⑥-2	07LAK—SM40120	P/S Joint Adaptor (Hose)	1	
⑦	07406—0010001	P/S Pressure Gauge Set	1	
⑦-1	07406—0010300	Pressure Control Valve	1	
⑦-2	07406—0010400	Pressure Gauge	1	
⑧	07406—0010101	Bypass Tube Joint (included with 07406—0010001)	1	
⑨	07725—0030000	Universal Holder	1	
⑩	07746—0010300	Attachment 42 x 47 mm	1	
⑪	07749—9910000	Driver	1	
⑫	07916—SA50001	Locknut Wrench 40 mm	1	
⑬	07941—6920003	Ball Joint Remover	1	
⑭	07947—6340300	Driver Attachment	1	
⑮	07974—SA50600	Pinion Seal Guide	1	

## 11. Steering (4WS only)

Number	Tool Number	Description	Q'ty	Remarks
①	07HAG—SF10000	4WS Tool Kit	1	
①-1	07HAG—SF10400	Pinion Seal Ring Sizing Tool	1	
①-2	07HAG—SF10500	Driven Seal Ring Guide	1	
②	07HAJ—SF10100	Rack Adjuster Gauge Holder Set	1	
③	07HAJ—SF10201	Rear Steering Center Lock Pin	1	
④	07HAJ—SF10300	Stroke Rod Holder Set	1	
⑤	07HAJ—SF10400	Inspection Adaptor	1	
⑥	07LAA—SM40100	Locknut Wrench, 43 mm	1	
⑦	07LAA—SM40200	Locknut Socket 36 x 43 mm	1	
⑧	07LAG—SM40000	4WS Tool Kit	1	
⑧-1	07LAG—SM40100	Piston Seal Ring Guide	1	
⑧-2	07LAG—SM40200	Piston Seal Ring Sizing Tool	1	
⑧-3	07LAG—SM40300	Cylinder End Seal Slider	1	
⑧-4	07LAG—SM40400	Cylinder End Seal Guide	1	
⑧-5	07LAG—SM40500	Tool Box	1	
⑨	07703—0010101	TORX® Bit T40	1	

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## 12. Suspension

Number	Tool Number	Description	Q'ty	Remarks
①	07GAE—SE00101	Spring Compressor	1	
②	07GAF—SD40100	Hub Assembly Pin	1	
③	07GAF—SD40330	Ball Joint Remover/Installer	1	4WS Only
④	07GAF—SE00200	Hub Assembly Guide Attachment	1	4WS Only
⑤	07GAG—SD40700	Ball Joint Clip Installation Guide	1	
⑥	07HAF—SF10100	Ball Joint Dis/Assembly Tool set	1	
⑥-1	07HAF—SF10110	Ball Joint Remover Base	1	
⑥-2	07HAF—SF10120	Ball Joint Installer Base	1	
⑥-3	07HAF—SF10130	Ball Joint Remover/Installer	1	
⑦	07HAJ—SF10201	Rear Steering Center Lock Pin	1	
⑧	07HGJ—0010000	Toe Inspection Gauge Set	1	4WS Only
⑨	07HGK—0010200	Wheel Alignment Gauge Attachment	1	
⑩	07703—0010100	TORX® BIT T40	1	4WS Only
⑪	07749—0010000	Driver	1	
⑫	07941—6920003	Ball Joint Remover	1	
⑬	07947—SB00100	Oil Seal Driver	1	4WS Only
⑭	07965—6340301	Hub Dis/assembly Base	2	
⑮	07965—6920201	Hub Dis/Assembly Base	1	

## 13. Brakes

Number	Tool Number	Description	Q'ty	Remarks
①	07GAG—SE00100	Pushrod Adjustment Gauge	1	
②	07HAE—SG00100	Brake Spring Compressor	1	
③	07HAK—SG00110	Pressure Gauge Joint Pipe	1	
④	07LAF—SM40200	Brake spring installer	1	
⑤	07404—5790300	Pressure Gauge Attachment	1	
⑥	07406—5790200	Pressure Gauges	2	
⑦	07410—5790100	Pressure Gauge Attachment	2	
⑧	07410—5790500	Tube Joint Adaptor	1	
⑨	07510—6340100	Pressure Gauge Joint Pipe	1	
⑩	07510—6340300	Vacuum Joint Tube A	1	
⑪	07914—SA50001	Snap Ring Pliers	1	
⑫	07921—0010001	Flare Nut Wrench	1	
⑬	07973—SA50000	Rear Caliper Guide	1	

## 13. Brakes (ALB only)

Number	Tool Number	Description	Q'ty	Remarks
①	07HAA—SG00101	Bleeder T-Wrench	1	
②	07HAJ—SG00601	ALB Checker	1	
	or			
	07508—SB00000	ALB Checker	1	
	—07HAJ—SG00400	Adaptor	1	



#### 14. Body

Number	Tool Number	Description	Q'ty	Remarks
①	07GAZ—SE30100	Torsion Bar Assembly Tool	1	

#### 15. Heater and Air Conditioner

Number	Tool Number	Description	Q'ty	Remarks
①	07JGG—0010100	Belt Tension Gauge	1	
②	07LAB—SK70100	A/C Clutch Holder	1	
③	07LAJ—PT30100	ECU Test Harness	1	

#### 16. Electrical

Number	Tool Number	Description	Q'ty	Remarks
①	07GAC—SE00200	Fuel Sender Wrench	1	
②	07JGG—0010100	Belt Tension Gauge	1	