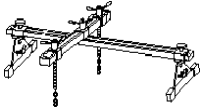

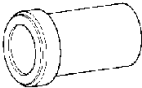
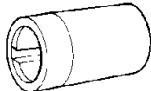
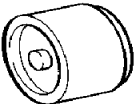

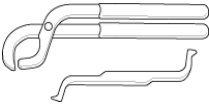
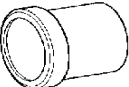


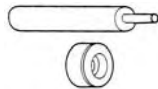

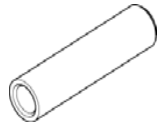
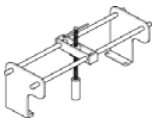
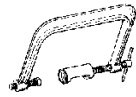
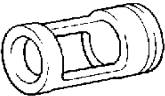
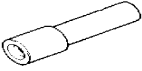
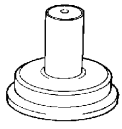

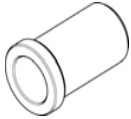


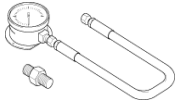


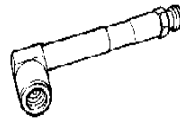


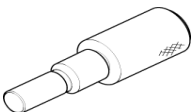


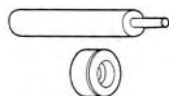
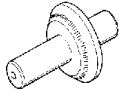

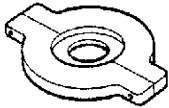
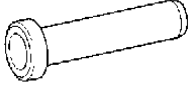



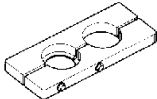


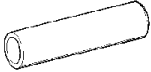
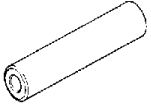
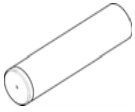
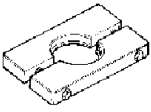
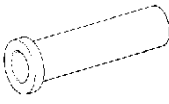
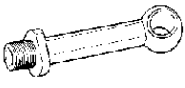
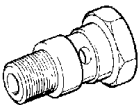
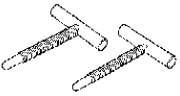
04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
1	09200-38001	ENGINE SUPPORT FIXTURE		D			○				○	○	○	○							Removal and installation of transaxle
2	09212-27100	CAMSHAFT OIL SEAL I.& BALANCE..		A			○														Instllation of the camshaft oil seal
3	09214-32000	CRANKSHAFT FRONT OIL SEAL INS.		A	○	○															Installation of the front oil seal
4	09214-32100	CRANKSHAFT FRONT OIL SEAL GUIDE		A	○	○															Installation of the front oil seal
5	09216-21000	MOUNT BUSHING R & I ARBOR		C												○					Removal & Installation of lower arm bushing(use with 09216-21200,09545-02000)
6	09216-21200	MOUNT BUSHING R & I RING		C												○					Removal & installation of the lower arm bushing(use with 09216-21000,09545-02000)
7	09220-2D000	VALVE CLEARANCE ADAPTER TOOL SET		B			○														Removal and installation of the tappet shim
8	09221-21000	CAM SHAFT OIL SEAL INS.		A	○	○															Installation of the camshaft oil seal

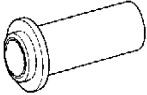
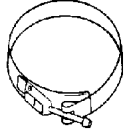

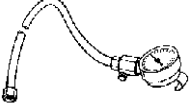
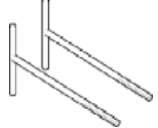

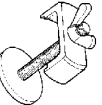
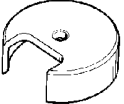
04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
9	09221-25100	WATER TEMPERATURE SENSOR		A	○																Removal and installation of the water temperature sensor
10	09221-26000	VALVE GUIDE INSTALLER		C	○																Removal and installation of the valve guide
11	09221-3F100	VALVE GUIDE REMOVER & INSTALLER		C	○	○															Removal and installation of the valve guide
12	09222-22001	VALVE STEM OIL SEAL INS.		A	○	○															Installation of the valve stem oil seal
13	09222-27200	VALVE STEM OIL SEAL INS.		A			○														Installation of valve stem oil seals
14	09222-27300	VALVE SPRING COMPRESSOR		A			○														Removal and installation of intake and exhaust valves
15	09222-28000	VALVE SPRING COMPRESSOR		C	○	○															Removal and installation of the intake or exhaust valve
16	09222-28100	VALVE SPRING COMP. HOLDER		C	○	○															Removal and installation of the intake or exhaust valve


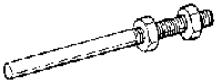

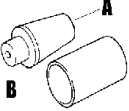
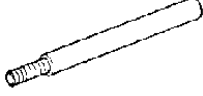
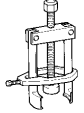
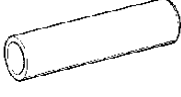

04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
17	09222-32100	VALVE STEM SEAL INSTALLER		A																	Installing the pinion gear bearing
18	09231-21000	CRANK SHAFT REAR OIL SEAL INS.		A	o	o															1.Installation of the engine rear oil seal 2.Installation of the crankshaft rear oil seal
19	09231-27000	CRANK SHAFT REAR OIL SEAL INS.		A			o														Installation of the crankshaft rear oil seal
20	09231-27100	CRANK SHAFT FRONT OIL SEAL INS.		A			o														Installation of the front case oil seal
21	09263-27000	OIL FILTER WRENCH (CRDI-D:EXCEPT EUROPE LHD)		A			o														Removal and installation of oil filter For Europe LHD
22	09263-27100	OIL FILTER WRENCH (CRDI-D:EUROPE LHD ONLY)		A			o														Removal and installation of oil filter For the rest area except Europe LHD
23	09351-27000	COMPRESSION GAUGE		A			o														Checking engine compression pressure
24	09351-27401	INJECTOR OIL SEAL INSTALLER		A			o														Installation of the injector oil seal



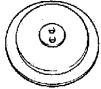


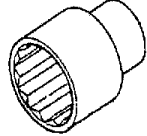
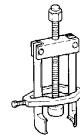
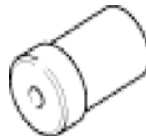
04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
25	09351-4A300	INJECTOER REMOVER		A																	Removal of Injector
26	09353-24000	FUEL PRESSURE GAUGE ADAPTER		A				o	o												Connection between Fuel Pressure Gage and Fuel Pressure Gage Adapter
27	09353-24100	FUEL PRESSURE GAUGE		A				o	o												Measuring the fuel line pressure
28	09353-38000	FUEL PRESSURE GAUGE ADAPTER		A				o	o												Connection between the delivery pipe and fuel feed line
29	09411-25000	CLUTCH ALIGNMENT ARBOR		A						o											Installation of the clutch disc
30	09414-11000	LOCK PIN EXTRACTOR		D							o										Driving our the spring pin of the shift fork
31	09414-11100	LOCK PIN INSTALLER		D							o										Driving in the spring pin on the shift fork
32	09431-21000	FRONT OIL SEAL INSTALLER		A							o										Installation of the input shaft front oil seal

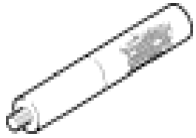
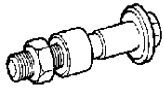
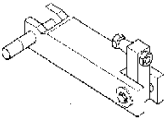


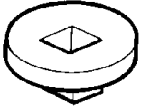
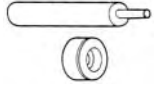
04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
33	09431-21200	OIL SEAL INSTALLER		A							○		○								Installation of differential oil seal
34	09431-39000	OIL SEAL INSTALLER		B										○		○					Installation of differential oil seal
35	09432-21400	TAPER BEARING PULLER		C							○										Removal of input shaft front bearing
36	09432-21601	BEARING INSTALLER		C															○		Installing the pinion gear bearing
37	09432-21701	BEARING OUTER RACE INS.		B																	Installation of output shaft outer race
38	09432-22000	OUTPUT SHAFT BEARING INS.		C							○	○									Installation on output shaft's gear and sleeve
39	09432-22100	BEARING INSTALLER		B							○	○									Installation of input and out put shaft bearing outer race
40	09432-33200	REMOVE PLATE		C							○	○		○							Removal of input shaft's gear and ball bearing




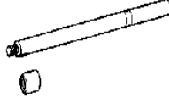
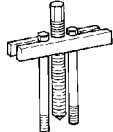
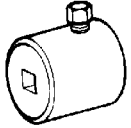
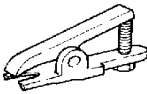
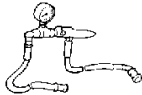
04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
41	09432-33300	BEARING INSTALLER		B							○										Installation of input shaft bearing
42	09432-33800	BEARING INSTALLER		B									○	○							Installation of differential bearing
43	09432-H1000	MAIN SHAFT BEARING INS.		B								○									Installation of output shaft's gear and sleeve
44	09433-21000	REMOVING PLATE		C							○	○		○							Removal of differential ball bearing
45	09434-14200	COUNTER SHAFT BEARING INS.		B													○				Installing the gear box oil seal
46	09452-21001	OIL PRESSURE GAUGE ADAPTER		A									○								Measurement of the oil pressure(use with 09452-21500 abd 09452-21002)
47	09452-21002	OIL PRESSURE GAUGE ADAPTER		A									○								Measurement of the oil pressure(use with 09452-21001 abd 09452-21002)
48	09452-21100	OIL PUMP REMOVER		C									○								Removal of the oil pump

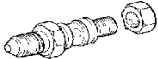
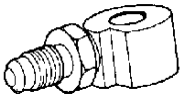


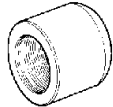

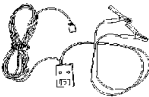

04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
49	09452-21200	OIL PUMP OIL SEAL INS.		C										o	o						Installation of the oil pump oil seal
50	09452-21301	OIL PUMP BAND		C										o							Assembly of the oil pump
51	09452-21401	GUIDE PIN		C										o	o						Assembly of the oil pump
52	09452-21500	TRANSMISSION PRESSURE GAUGE		A										o							Measurement of the oil pressure(use with 09452-21001 abd 09452-21002)
53	09452-22000	DIFFERENTIAL BEARING RETAINER...		C										o							Removal of the differential bearing retainer
54	09452-33100	OIL PUMP REMOVER		C											o						Removal of the oil pump
55	09453-21000	SPRING COMPRESSOR		C																	1. Removal and installation of low and reverse brake snap ring 2. Removal and installation of overdrive clutch snap ring(use with 09456-39000)
56	09453-21100	SPRING COMPRESSOR		C										o	o						Removal and installation of the rear clutch

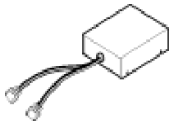


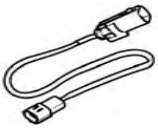

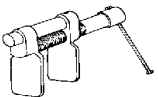
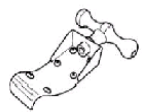
04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
57	09453-21310	CENTER SUPPORT REMOVER & INSTALLER		C									○								Removal and installation of the center support
58	09453-21400	DIAL GAUGE SUPPORT		C									○								Measurement the end play between the transger shaft and the input shaft(use with the dial gauge)
59	09453-24000	SPRING COMPRESSOR		C									○	○							Removal and installation of the snap ring and the front clutch return spring
60	09453-33000	SNAP RING INSTALLER		B									○								Installation of the end clutch snap
61	09453-33100	DIAL GAUGE EXTENSION		C										○							Measurement of the low and reverse brake and the second brake end play
62	09455-21000	BEARING AND GEAR PULLER		B										○							Removal of ball bearing and transfer drive gear
63	09455-21100	BEARING INSTALLER		B							○	○	○	○							Installation of differential bearing
64	09455-33200	BEARING INSTALLER		B								○	○	○							Installation of input shaft's gear and sleeve


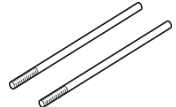
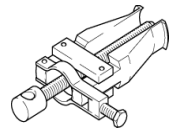
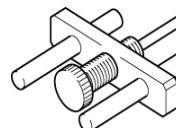
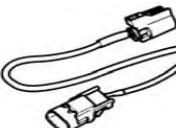
04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
65	09456-21000	GUIDE PIN		C									○								Assembly of the valve body
66	09456-39000	SPRING COMPRESSOR		C										○							Removal and insallation of low and reverse brake or overdrive clutch snap ring
67	09456-39100	CLEARANCE DUMMY PLATE		C										○							Measurement of low and reverse brake and second brake end plays
68	09457-22000	REMOVING PLATE		C										○							Removal of the differential bearing, the transfer shaft bearing and drive gear bearing
69	09457-22200	TRANSFER DRIVE GEAR REM. BOLT		C										○							Removal of the transfer dirven gear(use with 09526-11001)
70	09457-39000	SPECIAL SOCKET		D										○							Removal and installation of output shaft lock nut
71	09495-33000	BEARING & GEAR PULLER		B							○	○			○						Removal of ball bearing and gear
72	09495-33100	DRIVE SHAFT CENTER BEARING R & I		B											○						1.Removal of wheel bearing from a knuckle 2.Installation of a hub to a knuckle

04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
73	09500-11000	BAR		A							o	o		o							Installation of output shaft and differential bearing outer race
74	09517-21500	FRONT HUB REMOVER & INSTALLER		A											o						1. Removal of a front hub from a knuckle(use with 09517-29000) 2.Measurement of a front wheel bearing pre-load(use with 09532-11600)
75	09517-29000	KNUCKLE ARM BRIDGE		A											o						1.Removal of a front front hub from a knuckle(use with 09517-21500) 2.Removal of a wheel bearing outer race froma knuckle(use with 09495-33100)
76	09526-11001	AXLE SHAFT PULLER		C									o								Removal of the transfer driven gear(use with 09457-22200)
77	09532-11500	PINION BEARING OUTER RACE INSTALLER		C							o			o	o						Installation of output shaft and differential bearing outer race(use with 09500-11000)
78	09532-11600	PRELOAD SOCKET		C											o	o					Measurement of a front wheel bearing pre-load(use with 09517-21500)
79	09545-02000	LOWER ARM BUSHING REMOVER & INSTALLER		B												o					Removal & Installation of the lower arm bushing(use with 09216-21100,09216-21200)

04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
80	09545-11000	BALL JOINT REMOVER & INSTALLER		A												o					Installation of the lower arm ball joint
81	09545-21100	BALL JOINT DUST COVER INS.		C												o					Installation of the lower arm ball jointing dust cover
82	09551-25000	TRAILING ARM BUSHING R & I		B												o					Removal & Installation of the trailing arm bushing
83	09555-21000	BAR		C													o				Removing & Installing the oil seal of the rack housing
84	09561-11002	STEERING WHEEL PULLER		D													o				Removing the steering wheel
85	09565-11100	PRELOAD SOCKET		B													o				Measuring the pinion shaft preload
86	09568-34000	BALL JOINT PULLER		B											o	o	o				Separation of a lower arm and a tie rod end ball joint
87	09572-21000	P/S OIL PRESSURE GAUGE		A													o				Measuring the power steering oil pressure(use with 09572-21200,09572-22100)

04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
88	09572-21200	P/S OIL PRESSURE GAUGE ADAPTER		A																	Measuring the power steering oil pressure(use 09572-21000,09572-22100)
89	09572-22100	OIL PRESSURE GAUGE ADAPTER		A																	Measuring the power steering oil pressure(use with 09572-21000,09572-21200)
90	09573-21000	INSTALLER GUIDE		C																	Installing the oil seal of the rack housing
91	09573-21100	OIL SEAL INSTALLER		C																	Installing the oil seal of the rack housing
92	09573-21200	OIL SEAL GUIDE		C																	Removing & Installing the oil seal of the rack housing
93	0957A-1C000	DUMMY ADAPTER(DAB,BPT,CAB)		B																	Use with dummy
94	0957A-34100A	AIR BAG DEPLOYMENT TOOL		B																	Airbag deployment tool PAB:0957A-38100 DAB,BPT,CAB:0957A-38500 SAB:0957A-3F100
95	0957A-38100	DEPLOYMENT ADAPTER		B																	Use with deployent tool

04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
96	0957A-38200	DUMMY		B																	○ Simulator to check the resistance of each wiring harness Dummy Adapter PAB:0957A-38300 DAB,BPT,CAB:0957A-1C000 SAB:0957A-3F000
97	0957A-38300	DUMMY ADAPTER		B																	○ Use with dummy
98	0957A-38500	DEPLOYMENT ADAPTER		B																	○ Use with deployment tool
99	0957A-3F000	DUMMY ADAPTER(SAB)		B																	○ Use with dummy
100	09580-34000	REAR BRAKE PISTON ADJUSTER		A																	○ Removal and installation of the rear disk brake piston
101	09581-11000	PISTON EXPENDER		D																	○ Pushing back of the front disc and rear disc brake piston
102	09840-1E100	CENTER FASCIA REMOVER																			○ Removal of Center Fascia

04' CERATO GAS 1.6/2.0					EM	EMA	EMB	FL	FLA	CH	MT	MTA	AT	ATA	DS	SS	ST	RT	BR	USE	
No.	Tool NO.	Tool name	ILLUSTRATION	GRADE	1.6 DOH C	2.0 DOH C	2.0 DIES EL	1.6 DOH C	2.0 DOH C		M5B F2	M5G F1	A4AF 3								
103	OK000 005 AA0	WIRE HARNESS REPAIR KIT II UPGRADE(STANDARD)																			Repair Wire Harness
104	OK011 171 002	GUIDE BAR		C										o							Installation of oil pump(use with 09452-21301)
105	OK011 190 008	OIL SEAL REMOVER		C								o									Removal of differential bearing spacer
106	OK993 430 032	ADJUST GAUGE		C																o	Used to adjust push rod gap
107	0957A-3F100	DEVELOPMENT ADAPTER		B															o		Use with deployment tool