NATIONAL APPRENTICE AND INDUSTRIAL TRAINING AUTHORITY

Transformation of Apprenticeship to NVQ - Establishment Assesment Guide

Requirement of Tools , Equipment and others for

AUTOMOBILE MECHANIC

Competency Standards Code : G50S003.4

(Selected Package for Apprenticeship Mode)

Sourse : National Competency Standard

Name , Address of Estblishment & Contact Number

Date of Assessment : **District:**

NO	Tools,Equipments & Others	Requirment for the Units																										Availability at Establishment (Yes/No)	Remarks
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
1	Adjusting shims													✓															
2	Air bleeding equipment																✓	✓											
3	Air compressor	✓	✓	✓	✓	✓																							
4	Back-leak tester																					✓							
5	Battery terminal cleaning equipment																								✓				
6	Battery terminal ironized gel																								✓				
7	Battery tester / charger																								✓				
8	Bearing Installation Kit										✓	✓																	
9	Bearing Pullers										✓	✓																	
10	Belt tension gauge	✓	✓																										
11	Bore gauge								✓	✓																			
12	Borescope																			✓									
13	Brake drum puller																	✓											
14	Brake fluid																✓	✓											
15	Brake fluid drainer																✓	✓											
16	Calibrating fuel																				✓	✓							
17	Caliper piston expanders																✓	✓											
18	Cleaning agents																✓	✓											
19	Cleaning Brush	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓	✓	✓				
20	Cleaning liquids	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓							✓	✓	✓				
21	Cleaning materials and liquids																										✓		
22	Clutch Aligning Tool										✓	✓																	

23	Compressed air Storage trays															✓												
24	Compressed air supply						✓	✓	✓	✓					✓	✓							✓	✓	✓	✓	✓		
25	Compression gauge								✓																				
26	Compression leak down tester									✓																			
27	Compression leak tester								✓																				
28	Compression tester									✓																			
29	compressor																									✓		
30	Contact cleaners																							✓	✓			
31	Contact cleaning fluid																									✓		
32	Coolant																									✓		
33	Coolant drainer	✓	✓																									
34	Coolant pressure tester	✓	✓																									
35	Cotton waste															✓	✓	✓	✓	✓	✓				✓			
36	DC test lamp						✓	✓																✓				
37	depth gauge									✓																		
38	Detergent /Cleaning chemical						✓	✓	✓	✓								✓	✓	✓	✓				✓			
39	Diagnosis Scanner																							✓		✓		
40	Dial gauge								✓	✓																		
41	Diesel																	✓		✓	✓							
42	Diesel timing device																	✓		✓	✓							
43	Diesel vehicle fitted with mechanical fuel injection system																	✓		✓	✓							
44	Digital / analog Multimeter						✓	✓	✓	✓												✓	✓	✓				
45	Digital and Analogue Multi meters																				✓							
46	Digital battery health tester																									✓		
47	Digital Multi meter																	✓	✓	✓					✓	✓		
48	Distilled water																							✓				
49	Drive belt tensioner with gauge																									✓		
50	Drive belt tensioning equipment																							✓				
51	Dual clutch drive transaxle fitted with engine																									✓		
52	Dwell angle/ timing torch						✓	✓		✓																		
53	Electric / Plug in hybrid vehicle																									✓		
54	Electrical test equipment															✓												
55	Electrician’s tools																							✓				
56	Electronic low voltage battery charger																									✓		
57	Electronically control petrol fuel injection system																	✓										
58	Engine coolant								✓	✓												✓	✓					

59	Engine diagnosis equipment/ OBD scanner									✓																			
60	Engine lubricants								✓	✓																			
61	Engine Scanner		✓					✓												✓		✓							
62	Engine spare parts																						✓	✓					
63	Engine spare parts and repair kit								✓	✓																			
64	Engineering stethoscope																			✓									
65	Exhaust gas analyzer								✓	✓														✓					
66	External chargers																										✓		
67	Feeler gauge						✓	✓	✓	✓	✓	✓																	
68	Fuel pressure meter																		✓	✓	✓	✓							
69	Fuel storage tank					✓																							
70	Gas analyzer						✓	✓												✓									
71	Gas and smoke analyzer																		✓										
72	gasoline/alcohol to test intake manifold leaks																			✓				✓					
73	gauges															✓													
74	gear box scanners										✓																		
75	General mechanic tools	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓		
76	Hazardous indicator barriers and sign boards																										✓		
77	High pressure cleaner	✓	✓	✓	✓	✓																							
78	High voltage Battery used in hybrid vehicle																										✓		
79	High voltage insulated tools						✓	✓																					
80	High voltage motor driven water pump																										✓		
81	High voltage tools																								✓				
82	Hybrid vehicle																										✓		
83	Hydraulic / pneumatic testing gauges														✓														
84	Hydraulic fluid														✓														
85	Hydraulic power steering test bench												✓																
86	Hydraulic press											✓	✓	✓	✓														
87	Hydraulic pressure testing gauges												✓																
88	Hydraulic/pneumatic pressure gauges																✓												
89	Hydro meter																								✓				
90	IC engine scanning tool																							✓					

91	Injection timing measuring devices																		✓	✓	✓	✓							
92	Injector hand tester																		✓		✓								
93	Injector pullers																		✓		✓	✓							
94	Injector tester																			✓									
95	Injector testing liquid																			✓									
96	Insulation tester																										✓		
97	Integrated Starter Generator with Back up battery																										✓		
98	Invertor and convertor																										✓		
99	Linear measuring equipment												✓	✓															
100	Linear Measuring Tools										✓	✓					✓	✓											
101	Liquid collecting canes and trays	✓	✓	✓	✓																								
102	Lubricants										✓	✓	✓	✓			✓	✓											
103	Measuring tools														✓	✓													
104	Micro meter (internal and external)								✓	✓																			
105	Milli ohm meter																										✓		
106	Multimeter					✓						✓	✓	✓															
107	OBD Scanner tools													✓															
108	OBD scanning software											✓																	
109	Oil dispenser																										✓		
110	Oil drainer			✓	✓																								
111	On car brake disc re-facer																	✓											
112	Oscilloscope							✓												✓		✓					✓		
113	Parallel and series type hybrid vehicle transaxle and transmission																										✓		
114	Permanent markers	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓												✓			
115	Personal Protective Equipment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓			
116	Petrol																		✓										
117	Petrol timing torch																		✓										
118	Petrol vehicle fitted with carburetor/																		✓										
119	Piston ring compressor/ expander								✓	✓																			
120	Plastic gauge (for measure journal bearing clearance)								✓																				
121	Plastic gauge (for measure oil clearance)									✓																			
122	Plastic grease						✓	✓																					

123	power supply unit											✓																		
124	Power tools												✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓			
125	Pre-Play Measuring Tool										✓	✓																		
126	Pressure testing meter					✓																								
127	Protective covers																✓	✓												
128	Pullers (Steering wheel, Ball joint, Bearing puller)												✓	✓																
129	Recommended high voltage tool																											✓		
130	Recommended testing tools and equipment																										✓			
131	red lead											✓																		
132	Refractometer (coolant tester)		✓																									✓		
133	Rubber grease																✓	✓												
134	Rust removers					✓																								
135	Scanner																	✓									✓			
136	Sealant and gaskets	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓									✓	✓	✓					
137	Sensor simulator																			✓		✓								
138	Smock tester																		✓											
139	Smoke meter																				✓	✓		✓						
140	Soldering flux and wires																								✓	✓				
141	Soldering iron																								✓					
142	Soldering tool set																									✓				
143	Spare Parts										✓	✓	✓	✓			✓	✓								✓				
144	Spark plug gap tester						✓	✓																						
145	Spark Plug tester						✓	✓																						
146	Special Service Tools (SST) needed to handle mechanical diesel fuel injection system										✓										✓									
147	Special Service Tools as per requirement	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓			✓						✓	✓						
148	Special tools as per requirement											✓	✓		✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓			
149	Spray gun																							✓						
150	Spring balance													✓																
151	Spring compressor														✓	✓														
152	Standard general mechanic tools																✓	✓												
153	Steering hydraulic fluid												✓	✓																
154	Steering system software													✓																
155	Storage racks																											✓		
156	Storage trays	✓	✓	✓	✓	✓									✓												✓	✓		
157	Straight edge									✓																				

158	Suitable vehicle /Vehicle lifting equipment and chock																						✓	✓					
159	Suitable vehicle lifting equipment and chock																								✓				
160	Sundries										✓	✓	✓	✓													✓		
161	Sundries materials	✓	✓	✓	✓	✓	✓	✓	✓	✓													✓	✓	✓				
162	Suspension spare part with vehicle														✓														
163	Suspension spare part with vehicle															✓													
164	Suspension testers															✓													
165	Torque Wenches	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	✓	✓		
166	Transaxle lubricant																										✓		
167	Transmission Jack										✓	✓																	
168	Tripod stand												✓	✓															
169	Vacuum pump															✓													
170	Vacuum pump and cleaner																✓												
171	Valve puller								✓	✓																			
172	Vehicle diagnosis scanner/OBD scanner															✓													
173	Vehicle fitted with electronically controlled safety, comfort and security systems																										✓		
174	Vehicle lift												✓	✓															
175	Vehicle lifting equipment			✓	✓										✓				✓	✓	✓	✓				✓			
176	Vehicle Lifting equipment /Wheel alignment equipment															✓													
177	Vehicle lifting equipment and accessories																										✓		
178	Vehicle lifting equipment and blocks	✓															✓	✓											
179	Vehicle lifting equipment and chock	✓	✓			✓	✓	✓	✓	✓																			
180	Vehicle protective equipment																										✓		
181	Vehicle with different brake systems																✓	✓											
182	vehicles fitted with MPI/ GDI systems																			✓									
183	Vernier caliper								✓	✓																			
184	Vernier depth gauge								✓																				

185	vernier height gauge											✓																	
186	Viscosity tester				✓																								
187	Wheel alignment equipment (Manual, Automated)													✓															
188	Wheel alignment scanner software													✓															
189	Wheel balancing weights													✓															

Selected Qualification (Package)	Units

forwarded by:	***Recommended by:***
Name of the Officer : ……	*Name of the Officer : ……*
Designation : ……	*Designation : ……*
Signature : ……	*Signature : ……*
Date : ……	*Date : ……*
Official Stamp : ……	*Official Stamp : ……*

Certified by:

Name of the Officer : …… *Designation : ……*

Signature : …… *Official Stamp : ……*

Date : ……