# 166 point check

Order number:		Date:	
Registration Number:			F 1/2 E
Customer name:			Mark fuel gauge position before commencing inspection.
Customer Ph:			
Customer address:			
Agreed pick up time:			
Vehicle Details			
Year:	Make:	Make:	Vehicle Colour:
VIN/Chassis Number:			
Engine Number:		Odometer:	
Technician:			

## 166 point check (continued)

	Pass	Fail		Comments
			Labels, Identity and compliance check	
1			Check for owners manual/logbook presence(including security code for radio).	
2			Check compliance plate/sticker sighted.	
3			Check VIN on chassis is matched to compliance plate numbers.	
4			Check modification plate is fitted for LPG, and other modifications such as extra child restraints and modified seating.	
5			Check current registration label affixed in correct position(note expiration).	
6			LPG fitted vehicles, ensure tank is within test date on compliance plate. Confirm date on LPG tank also.	
			Vehicle on floor	
7			Check operation of all keys and that master and sub keys are provided.	
8			Check remote controls/fobs for distance and serviceability and immobilizer operation.	
9			Ensure engine on cold start emits no abnormal noises.	
10			Check paint for even high lustre.	
11			Check park/neutral detent.	
12			Check clarity of headlight lenses (particularly poly carbonate types) and internal reflective surfaces for deterioration.	
13			Check all lights. Note correct wattage and correct colour for applicable light. Ensure correct colouring of all lenses and bezels. Check bulbs that are individually coloured for deterioration.	
14			Check for hazard light operation.	
15			Check aim of headlights and fog lights. Check for dip to the left on low beam. Check for correct operation of automatic headlamp levelling systems.	
16			Check condition of windscreen and all vehicle glazing for chips, cracks and visibility. Check for retention and seal damage.	
17			Check all windscreen washers and note position on screen is correct.	
18			Check operation of wiper controls and delay timing.	
19			Check all wiper blades and inserts.	
20			Check clock operates correctly.	
21			Check for body/panel damage, previously repairs, rust penetrations, alignments of doors and hatches.	
22			On soft tops check for condition, operation and latching, weather seal integrity and check for any blockages to roof drains (if fitted).	
23			Check for accessory fitted device operation, i.e. winches, spot lights ect.	
24			Check window tinting for visibility and is within legal requirement.	
25			Check additional trailer wiring is correctly wired to code and secure.	
26			Check towbar mountings for fitment, ingress of water and panel rust prevention.	

## 166 point check (continued)

	Pass	Fail		Comments
			Vehicle on floor (continued)	
27			Check for loose or damaged body parts including bumpers, grilles, emblems, scuff panels ect. Note missing retention clips.	
28			Check mudflap/spats for mountings and correct fitment.	
29			Check horn operation.	
30			Check driver entertainment systems and navigational aids including radio and check speakers for rattles at high volume.	
31			Check operation of indicator switch for self cancel. and high/low beam dip correctly operates.	
32			Check headlight dip beam switch works correctly.	
33			Check operation of all doors, locks and hinges. Check child lock mechanisms.	
34			Check brake pedal for excessive travel, fading/sinking of pedal. Ensure brake light switch is correctly adjusted.	
35			Check dash crash pad for deterioration and cracking.	
36			Check all foot pedals for signs of wear/damage. Check for operation.	
37			Check operation of all windows, if power check for anti jam features (if fitted).	
38			Check steering and column for free play, binding, loose mountings, alignment and operation. Ensure half/split shaft has not collapsed/dropped.	
39			Check all seats and seat attachments, adjusters and trims for tears/damage and stains. Ensure modified seating carries appropriate approvals and compliance(plate fitted).	
40			Check all interior trims/handles for damage and are secure.	
41			Check for cigarette lighter power supply/ operation.	
42			Check instrumentation for operation including fuel gauge, temperature and oil pressure warnings. $ \\$	
43			Check SRS system for correct operation and self check warning lamp operates correctly.(i.e. SRS light on 4 seconds then extinguishes)	
44			Check operation of anti theft devices including alarms/immobilizers. Carry out tests and note for audible and visual theft responses.	
45			Check courtesy lamps and door switch activation from all doors and hatches.	
46			Check for fuel lid release. Check fuel cap for seal, vent/suction release.	
47			Check that sun visors are mounted correctly and hold their position.	
48			Check sunroof operation and anti jam protection.	
49			Check boot release operation.	
50			Check condition of vehicle interior including headlining retention.	
51			Check for safety lock outs to steering lock, ignition lock, automatic transmission shift lock outs and clutch pedal detents for starting.	
52			Check rear view mirror retention and operation including night flip and ability to hold position. $$	
53			Check outside mirrors for remote operation and functionality.	
54			Check operation of park brake.	

## 166 point check (continued)

	Pass	Fail		Comments
			Vehicle on floor (continued)	
55			Check vehicle restraints, seatbelts; webbing for signs of fraying/fatigue, buckle operation and retractor mechanisms (where fitted)and extend belts to full extent and allow to retract fully. Note any missing restraints.	
56			Check all restraint anchorages including child accessory restraints.	
57			Check seat slides and lumbar supports for operation, operate power seats through ranges.	
58			Check cabin is free of odours i.e. water ingress causing mould in deadening material in carpet.	
59			Check floor mats for retention/security.	
60			Check head rests adjust.	
61			Check pollen filter condition(if fitted).	
62			Check automated Service reminders and or current service status.	
63			Check windscreen demister operation(F&R)and integrity of screen filaments.	
64			Check passive supplementary restraint systems (SRS)for service life(airbags usually 10 [ten]years).	
65			For EV models ensure HV battery's are correctly vented and are correctly secured. Check HV battery condition via diagnostics only.	
66			Using a suitable scan tool, check diagnostics for stored faults in all on board systems i.e. ABS, SRS,VSC,and any other related systems, both pending and history.	
67			Operate climate control either manual or automatic through operating ranges e.g. face to floor and back including heater operation.	
68			If fitted with tyre pressure monitoring systems, carry out checks via the display. Ensure all transponders are working correctly.	
69			Check automated systems such as auto headlights for operation.	
70			LPG fitted vehicles, check internally mounted tanks are secure, hoses and wiring are secure and routed correctly.	
71			Check that the jack and tools are present and stored correctly. If wheel locks employed, check for key to remove is provided in kit.	
72			Check bonnet release catch operates correctly and bonnet holds securely.	
73			Check condition of all fluid levels.	
74			Check starter for operation and noise.	
75			Check all drive belts for condition and tension including serpentine(multi rib) and vee.	
76			Check brake booster for mounting and check vacuum valve for correct operation.	
77			Check brake components including master cylinder, reservoir and connecting pipes for signs of leaks, mounting, contamination, restrictions and operation.	
78			Check air filter condition.	
79			Check ignition system components for serviceability.	
80			Check clutch cable/hydraulics and lines and clutch slave cylinder for leaks(behind dust boot).	

## 166 point check (continued)

	Pass	Fall		Comments
			Vehicle on floor (continued)	
81			Check engine condition. Check compression, signs of excessive blow by, sludging (if in doubt remove tappet cover), oil presence in ducts (turbo seal failures).	
82			Check engine wiring for retention/fastness.	
83			Check fuel system for leaks, deterioration of hoses, fastness of connectors. Check for signs of leakage around high pressure pumps fitted to common rail diesel systems.	
84			Check A/C operation, including cabin cycling temperature, refrigerant level.	
85			Check radiator cap and test release pressure and seal.	
86			Check radiator for leaks, road damage and debris, core/fin integrity and plastic end tanks condition(heat damage to plastic components).	
87			Check coolant % with suitable tester, pressure test cooling system check for signs of loss, stains.	
88			Check all cooling system hoses for cracks and deterioration, clamp retention, corrosion around water fittings and hoses.	
89			Check plastic cooling system components for heat damage(brittle).	
90			Check fuse box for signs of heat damage around fuse blocks. Check for chaffing of main electrical harnesses.	
91			Check for correct engine operating temperature.	
92			Check for signs of deterioration of hoses, ducts and seals.	
93			Check for over running clutches for operation (fitted to some alternators to reduce NVH, if fitted)	
94			Check battery is securely fastened.	
95			Check battery (EV vehicles ONLY check 12 volt accessory battery NOT HV BATTERY) for damage, state of charge, electrolyte condition. If sufficient carry out load demand test.	
96			Check battery terminal condition.	
97			Check all earth connections to engine and body.	
98			Check cooling fan operation.	
99			Check timing belt condition(if feasible)and/or report either way.	
100			Check engine valve train noise(audible check only).	
101			Check all engine and transmission mounts/steady's (top brace).	
102			Check for noise from engine components such as water pump bearings, alternator bearings and belt guide pulleys and tensioners.	
103			Hybrid vehicles check for secure connections, mountings and coolant flow to drive unit and/or inverter/ convertor unit.	

## 166 point check (continued)

	Pass	Fail		Comments
			Vehicle raised	
104			Check engine and transmission for leaks.	
105			Check fuel and vapour lines and rails for routing, damage and leaks.	
106			Check fuel filter for leaks and mounting.	
107			Check for signs of coolant loss. Sight water pump seal drain hole and check for coolant presence/stain.	
108			Check suspension components for signs of wear and deterioration.	
109			Check for any modifications to ride height or replacement components.	
110			Check front and rear shock absorbers for service, leakage and mountings for fastness.	
111			Check upper strut mountings for bearing failure and lubrication. Check for smooth operation as steering is turned.	
112			Check all springs (coil, air, leaf and torsion) for damage, failure, sagging and associated mountings and seats.	
113			Check ball joints for service(upper and/or lower or both). Correctly load and unload joints and note acceptable limits of travel (if any). Same for king pin fitted models.	
114			Check steering rack or box for leaks, mountings and operation. If electric assistance check for correct actuation and smooth operation.	
115			4WD vehicles check locking hubs engage (manual operation models).	
116			Check all tie rod ends, rack ends for wear and fastness of connectors. Check all dust boots for integrity.	
117			Check all brakes, front and rear brake pads and/or shoes for lining life (note wear amount), hydraulics for leakages(check under wheel cylinder dust boots) and return springs for freedom of movement.	
118			Check park brake shoes and associated components for wear and damage.	
119			Check and measure all brake rotors and drums for grooves, heat damage and service, check caliper slides for movement and wear.	
120			Check all hydraulic brake hoses for cracking/separation, routing and security.	
121			Check ABS fitted models for damage/foreign objects to tone wheel teeth, check wheel sensors and wiring for damage ,security.	
122			Inspect all tyres for irregular wear, tread and sidewall integrity. Note tyre depths. $ \\$	
123			Check tyre inflation, correct OEM size, speed, load rating and tyre tread depths.	
124			Check all tyre dimensions are equal with no undue differences that may affect ABS.	
125			Check all wheel hubs/mounting flanges and studs for damage, deterioration or missing.	
126			Check all wheel rims for damage and run out. Check valve stems for damage and service.	

## 166 point check (continued)

	Pass	Fail		Comments
			Vehicle raised (continued)	
127			Check tyre balance to all wheels.	
128			Check wheel trims for damage/retention in rims.	
129			Check both front and rear wheel bearings for noise and correct adjustment.	
130			Check all under body fluid condition.	
131			Check spare tyre(if fitted)and or for puncture repair additive supply or space saver tyre for wear, integrity and inflation pressure.	
132			Check all road wheel torques.	
133			Check Wheel alignment.	
134			Check frame/under body for damage, loose or missing fasteners.	
135			Check final drive for leaks, mountings.	
136			Check for missing floor grommets and seals that would allow fumes to enter the passenger cabin.	
137			Check gear/shift selector linkages for wear in bushings and operation.	
138			Check both front and rear (if fitted) steering mechanisms for damage, loose or worn components, or lacking lubrication.	
139			Check Steering and couplings for movement without binding, integrity of rubber boots and seals for damage and leaks.	
140			Check power steering(if fitted), lines and hoses for leaks, fatigue, routing and attachment.	
141			Check exhaust for damage, misalignment, leaks, fastness of connectors and correct tail pipe outlet placement. Run vehicle and carry out leak test for integrity and noise out put.	
142			Check for blockages in DPF fitted diesel vehicles, lack of regeneration, presence of visible sooting in tail pipe.	
143			LPG fitted vehicles, check for correct liquid line routing from tank, and tank is protected if mounted externally from road impacts.	
144			Inspect all CV joints for damage or leaking and torn boots.	
145			Check universal joints and tail shafts for wear, alignment.	
146			Check centre bearing supports (if fitted) to rear tail shaft.	
147			EV vehicles check for HV cabling for damage and integrity.(Follow HV safety guidelines)	
148			Inspect fuel tank for leaks, correct mounting, road damage.	
149			Check heater valve/tap is operating and within adjustment.	
150			Sight under body for signs of damage, rust and deterioration, missing fillers and deadening materials.	
			Road Test vehicle	
151			Check steering wheel is centered in straight line driving.	
152			Check that vehicle drives and tracks straight on level roads.	
153			Ensure interior is free of significant creaks, squeaks and rattles.	
154			Carry out both service brake and park brake tests and note readings. Check for braking and engine response.	
155			Ensure brakes do not shudder or vibrate under light and heavy braking.	

## 166 point check (continued)

	Pass	Fail	note any exterior damage before undertaking inspir	Comments
			Road Test vehicle (continued)	
156			Check parking brake operation and gradient holding ability (note number of clicks).	
157			Check clutch for operation. Check pedal take up distance and free play.	
158			4WD vehicles check that 4WD engages(if auto hubs lock) and no undue noises present.	
159			Check for correct operation of transmission. Note shift quality and forced kick down operation. CVT models check for correctly learnt parameters and ratio selecting through driving styles.	
160			Check for driver aids such as cruise control operation and anti lock brakes.	
161			Check steering response, handling and suspension noise over bumps.	
162			Check shock absorbers for noisy operation.	
163			Carry out audible checks to CV joints by conducting dynamic CV joint test.	
164			Monitor engine performance.	
165			Hybrid vehicles check for smooth transition between hybrid drives i.e. Engine to electric motor changeover.	
166			Electric vehicles check for smooth motor operation, note undue motor noise under load.	
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