

CDX Tasksheet Number	TASKSHEET	ASC UK Auto Electrical Level 2 NVQ
C302	Perform battery state-of-charge test; determine necessary action.	AE01
C303	Perform battery capacity test; confirm proper battery capacity for vehicle application; determine necessary action.	AE01
C587	Perform battery capacity test(or conductance test) ; confirm proper battery capacity for vehicle application; determine necessary action.	AE01
C286	Research applicable vehicle and service information, such as electrical/electronic system operation, vehicle service history, service precautions, and technical service bulletins.	AE01
C287	Locate and interpret vehicle and major electrical/electronic component identification numbers (VIN, vehicle certification labels, and calibration decals).	AE01
C524	Select test equipment and test an automotive electrical circuit.	AE01
C305	Inspect, clean, fill, and replace battery.	AE01
C307	Inspect and clean battery cables, connectors, clamps, and hold-downs; repair or replace as needed.	AE01
C308	Start a vehicle using jumper cables and a battery or auxiliary power supply.	AE01
C288*	Diagnose electrical/electronic integrity of (for) series, parallel and series-parallel circuits using principles of electricity (Ohm's Law).	AE01
C289	Use wiring diagrams during diagnosis of electrical circuit problems.	AE01
C290	Demonstrate the proper use of a digital multimeter (DMM) during diagnosis of electrical circuit problems.	AE01
C292	Measure source voltage and perform voltage drop tests in electrical/electronic circuits using a voltmeter; determine necessary action.	AE01
C293	Measure current flow in electrical/electronic circuits and components using an ammeter; determine necessary action.	AE01
C294	Check continuity and measure resistance in electrical/electronic circuits and components using an ohmmeter; determine necessary action.	AE01
C295	Check electrical circuits using fused jumper wires; determine necessary action.	AE01
C296	Locate shorts, grounds, opens, and resistance problems in electrical/electronic circuits; determine necessary action.	AE01
C298	Inspect and test fusible links, circuit breakers, and fuses; determine necessary action.	AE01
C299*	Inspect and test switches, connectors, relays, solenoid solid state devices, and wires of electrical/electronic circuits; perform necessary action.	AE01
C321	Inspect, replace, and aim headlights and bulbs.	AE01
C322	Inspect and diagnose incorrect turn signal or hazard light operation; perform necessary action	AE01
C324	Inspect and test connectors, wires, and printed circuit boards of gauge circuits; determine necessary action.	AE01
C326*	Inspect and test sensors, connectors, and wires of electronic (digital) instrument circuits; determine necessary action.	AE01
C297	Measure and diagnose the cause(s) of excessive key-off battery drain (parasitic draw); determine necessary action.	AE01
C304	Maintain or restore electronic memory functions.	AE01
C306	Perform slow/fast battery charge.	AE01
C291	Check electrical circuits with a test light; determine necessary action.	AE01
C300	Repair wiring harnesses and connectors.	AE01

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C325	Diagnose the cause of incorrect operation of warning devices and other driver information systems; determine necessary action.	AE01
C526	Identify an automotive wiring diagram and translate information to a motor vehicle circuit.	AE01
C527	Carry out automotive wiring repairs and test circuits for serviceability.	AE01
C301	Perform solder repair of electrical wiring.	AE01
C525	Identify functions of automotive lighting systems, rectify lighting faults and adjust vehicle lamps.	AE01
C558	Remove and replace terminal end from connector	AE01
C560	Identify location of hybrid vehicle high voltage circuit disconnect (service plug) location and safety procedures	AE01
C561	Identify high voltage circuits of electric or hybrid electric vehicle and related safety precautions.	AE01
C562	Identify electronic modules, security systems and/or radios that require reinitialization or code entry following battery disconnect.	AE01
C563	Identify hybrid vehicle auxiliary (12v) battery service, repair and test procedures.	AE01
C564	Identify system voltage and safety precautions associated with high intensity discharge headlights.	AE01
C567	Identify hybrid vehicle AC system electrical circuits, service and safety precautions.	AE01
C327	Diagnose incorrect horn operation; perform necessary action.	AE01
C328	Diagnose incorrect wiper operation; diagnose wiper speed control and park problems; perform necessary action.	AE01
C335	Disarm and enable the airbag system for vehicle service.	AE01
C329	Diagnose incorrect washer operation; perform necessary action.	AE01
C582	Repair connectors and terminal ends.	AE01
C331	Diagnose incorrect heated glass operation; determine necessary action.	AE02
C338	Diagnose body electronic system circuits using a scan tool; determine necessary action.	AE02
C339*	Check for module communication (CAN/BUS) errors using a scan tool.	AE02
C309	Perform starter current draw tests; determine necessary action.	AE03
C310	Perform starter circuit voltage drop tests; determine necessary action.	AE03
C311	Inspect and test starter relays and solenoids; determine necessary action.	AE03
C312	Remove and install starter in a vehicle.	AE03
C313	Inspect and test switches, connectors, and wires of starter control circuits; perform necessary action.	AE03
C314	Differentiate between electrical and engine mechanical problems that cause a slow-crank or no-crank condition.	AE03
C315	Perform charging system output test; determine necessary action.	AE03
C317	Inspect, adjust, or replace generator (alternator) drive belts, pulleys, and tensioners; check pulley and belt alignment.	AE03
C318	Remove, inspect, and install generator (alternator).	AE03
C319	Perform charging circuit voltage drop tests; determine necessary action.	AE03
C316	Diagnose charging system for the cause of undercharge, no-charge, and over-charge conditions.	AE03

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C333	Diagnose incorrect operation of cruise control systems; determine necessary action.	AE03
C585	Identify refrigerant type; select and connect proper gauge set, record pressure readings; determine necessary action.	AE06
C337	Remove and reinstall door panel.	BP01
C451	Identify general shop rules and procedures.	G1
C452	Utilize safe procedures for handling tools and equipment.	G1
C453	Identify and use proper placement of floor jacks and jack stands.	G1
C454	Identify and use proper procedures for safe lift operation.	G1
C465	Locate and demonstrate knowledge of material safety data sheets (MSDS).	G1
C466	Identify tools and their usage in automotive applications.	G1
C467	Identify standard and metric designation.	G1
C468	Demonstrate safe handling and use of appropriate tools.	G1
C469	Demonstrate proper cleaning, storage, and maintenance of tools and equipment.	G1
C473	Identify purpose and demonstrate proper use of fender covers, mats.	G1
C504	Demonstrate understanding of the correct methods of storage and disposal of lubricants, cleaning agents, & contaminates.	G1
C508	Associated Studies Tasksheet - Workshop Key Skills: Identify personal protective equipment and safety features.	G1
C523	Carry out automotive industrial personal workplace requirements.	G2
C533	Store and use hazardous materials in the motor and related industries.	G2
C455	Utilize proper ventilation procedures for working within the lab/shop area.	G2
C456	Identify marked safety areas.	G2
C457	Identify the location and use of fire blankets.	G2
C458	Identify the types and location of fire extinguishers; demonstrate an knowledge of the procedures for using fire extinguishers.	G2
C459	Identify the location and use of eye wash stations.	G2
C460	Identify the location of posted evacuation routes.	G2
C461	Comply with the safe use of safety glasses, gloves, shoes, during lab/shop activities.	G2
C462	Identify and wear appropriate clothing for lab/shop activities.	G2
C463	Comply with appropriate hairstyles for lab/shop activities.	G2
C494	Locate refrigerant label and identify specified refrigerant type. (eg: R-12 R-134a)	G2
C509	Associated Studies Tasksheet - Workshop Key Skills: Identify and document safety related vehicle workshop practices.	G2
C472	Identify information needed and the service requested on a repair order.	G3
C474	Demonstrate use of 3 C's (concern, cause and correction).	G3
C475	Review vehicle service history.	G3
C476	Ensure vehicle is prepared to return to customer per school/company policy (floor mats, steering wheel cover etc).	G3
C510	Associated Studies Tasksheet - Workshop Key Skills: Identify and document compliance and customer related vehicle workshop practices.	G3
C511	Associated Studies Tasksheet: Vehicle Workshop Practices: Research and document organizational structures.	G3

CDX Tasksheet Number	TASKSHEET	ASC UK Auto Electrical Level 2 NVQ
C539	Associated Studies Tasksheet - Use of number - Solve problems using calculations with numbers expressed in different forms.	ICS
C219	Diagnose tire wear patterns; determine necessary action.	MR05
C106	Diagnose clutch noise, binding, slippage, pulsation, and chatter; determine necessary action.	MR05
C245*	Diagnose poor stopping, noise, vibration, pulling, grabbing, dragging or pedal pulsation concerns in drum brakes; determine necessary action.	MR05
C252*	Diagnose poor stopping, noise, vibration, pulling, grabbing, dragging or pedal pulsation concerns in disc brakes; determine necessary action.	MR05
C001	Identify and interpret engine concern; determine necessary action.	MR05
C057	Identify and interpret transmission/transaxle concern; assure proper engine operation; determine necessary action.	MR05
C104*	Diagnose drive train system fluid loss (usage), level, and condition concerns; determine necessary action.	MR05
C138	Diagnose live axle noise and vibration concerns; determine necessary action.	MR05
C139	Diagnose live axle fluid leakage concerns; determine necessary action.	MR05
C149	Diagnose limited slip differential noise, slippage, and chatter concerns; determine necessary action.	MR05
C153	Diagnose drive axle shafts, bearings, and seals for noise, vibration, and fluid leakage concerns; determine necessary action.	MR05
C158	Diagnose FWD & AWD noise, vibration, and unusual steering concerns; determine necessary action.	MR05
C165	Identify and interpret suspension and steering concern; determine necessary action.	MR05
C177*	(Inspect power steering fluid levels and condition.) Determine proper power steering fluid type; inspect fluid level and condition.	MR05
C179	Diagnose power steering fluid leakage; determine necessary action.	MR05
C187	Diagnose short and long arm suspension system noises, body sway, and uneven riding height concerns; determine necessary action.	MR05
C205	Differentiate between steering and suspension concerns using principles of steering geometry (caster, camber, toe, etc).	MR05
C229	Identify and interpret brake system concern; determine necessary action.	MR05
C266	Inspect and test brake hydro-boost system and accumulator for leaks and proper operation; determine necessary action.	MR05
C267	Diagnose wheel bearing noises, wheel shimmy, and vibration concerns; determine necessary action.	MR05
C276	Identify and inspect antilock brake system (ABS) components; determine necessary action.	MR05
C285	Identify and interpret electrical/electronic system concern; determine necessary action.	MR05
C320	Diagnose the cause of brighter than normal, intermittent, dim, or no light operation; determine necessary action.	MR05
C323	Inspect and test gauges and gauge sending units for cause of intermittent, high, low, or no gauge readings; determine necessary action.	MR05
C341	Identify and interpret heating and air conditioning concern; determine necessary action.	MR05
C362	Diagnose temperature control problems in the heater/ventilation system; determine necessary action.	MR05

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C386	Identify and interpret engine performance concern; determine necessary action.	MR05
C410	Diagnose ignition system related problems such as no-starting, hard starting, engine misfire, poor drivability, spark knock, power loss, poor mileage, and emissions concerns on vehicles with electronic ignition (distributorless) systems; determine necessary action.	MR05
C418	Diagnose hot or cold no-starting, hard starting, poor drivability, incorrect idle speed, poor idle, flooding, hesitation, surging, engine misfire, power loss, stalling, poor mileage, dieseling, and emissions problems on vehicles with carburetor-type fuel systems; determine necessary action.	MR05
C583	Refinish disc brake rotor on vehicle	MR08