

CDX Tasksheet Number	TASKSHEET	ASC UK Mechanical Level 2 NVQ
C001	Identify and interpret engine concern; determine necessary action.	MR05
C002	Research applicable vehicle and service information, such as internal engine operation, vehicle service history, service precautions, and technical service bulletins.	MR01
C003	Locate and interpret vehicle engine and major component identification numbers (VIN, vehicle certification labels, and calibration decals).	MR01
C011*	Remove and reinstall engine in a late model front-wheel drive vehicle (OBD II or newer); reconnect all attaching components and restore the vehicle to running condition.	MR02
C012*	Remove and reinstall engine in a late model rear-wheel drive vehicle (OBD II or newer); reconnect all attaching components and restore the vehicle to running condition.	MR02
C014*	Install cylinder heads and gaskets; tighten according to manufacturer's specifications and procedures.	MR02
C023	Adjust engine valves (mechanical or hydraulic lifters).	MR01
C025	Inspect and replace timing belts (chains), overhead camdrive sprockets, and tensioners; check belt/chain tension; adjust as necessary.	MR02
C042	Inspect or replace crankshaft vibration damper (harmonic balancer).	MR02
C043	Assemble the engine using gaskets, seals, and formed-in-place (tube-applied) sealants, thread sealers, etc. according to manufacturer's specifications.	MR02
C046	Perform cooling system, cap, and recovery system tests (pressure, combustion leakage, and temperature); determine necessary action.	MR02
C047	Inspect, replace, and adjust engine drive belts, tensioners, and pulleys; check pulley and belt alignment.	MR02
C048	Inspect and replace engine cooling and heater system hoses.	MR02
C049*	Inspect, test, and replace thermostat (and housing) and gasket.	MR02
C050	Test coolant; drain and recover coolant; flush and refill cooling system with recommended coolant; bleed air as required.	MR01
C051	Inspect, test, remove, and replace water pump.	MR02
C052	Remove and replace radiator.	MR02
C053	Inspect, and test fans(s) (electrical or mechanical), fan clutch, fan shroud, and air dams.	MR02
C055	Inspect, test, and replace engine oil temperature and pressure switches and sensors.	MR02
C056	Perform engine oil and filter change.	MR01
C057	Identify and interpret transmission/transaxle concern; assure proper engine operation; determine necessary action.	MR05
C058*	Research applicable vehicle and service information, such as transmission/transaxle system operation, vehicle service history, service precautions, Fluid type and technical service bulletins.	MR01
C059	Locate and interpret vehicle and major transmission/transaxle component identification numbers (VIN, vehicle certification labels, and calibration decals).	MR01
C067	Inspect, adjust or replace throttle valve (TV) linkages or cables; manual shift linkages or cables; transmission range sensor; check gear select indicator (as applicable).	MR12
C068	Service transmission; perform visual inspection; replace fluids and filters.	MR01
C076	Inspect, replace, and align powertrain mounts.	MR12
C077	Remove and reinstall transmission and torque converter (rear-wheel drive).	MR12
C078	Remove and reinstall transaxle and torque converter assembly.	MR12

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C102*	Research applicable vehicle and service information, such as drive train system operation, Fluid type, vehicle service history, service precautions, and technical service bulletins.	MR01
C103	Locate and interpret vehicle and major drive train system component identification numbers (VIN, vehicle certification labels, calibration decals).	MR01
C104*	Diagnose drive train system fluid loss (usage), level, and condition concerns; determine necessary action.	MR05
C105	Drain and fill manual transmission/transaxle and final drive unit.	MR12
C106	Diagnose clutch noise, binding, slippage, pulsation, and chatter; determine necessary action.	MR05
C107	Inspect clutch pedal linkage, cables, automatic adjuster mechanisms, brackets, bushings, pivots, and springs; perform necessary action.	MR12
C108	Inspect hydraulic clutch slave and master cylinders, lines, and hoses; determine necessary action.	MR12
C111	Bleed clutch hydraulic system.	MR01
C116	Remove and reinstall manual transmission/transaxle.	MR12
C121	Inspect and reinstall manual transmission powertrain mounts.	MR12
C131	Inspect, test, and replace manual transmission/transaxle sensors and switches.	MR12
C134*	Remove and replace front wheel drive (FWD) front wheel bearing.	MR12
C135	Inspect, service, and replace drive shafts, yokes, boots, and CV joints.	MR12
C136	Inspect, service, and replace propellor shaft center support bearings.	MR12
C137*	Check propellor shaft balance and phasing; measure shaft runout; measure and adjust driveline angles.	MR12
C138	Diagnose live axle noise and vibration concerns; determine necessary action.	MR05
C139	Diagnose live axle fluid leakage concerns; determine necessary action.	MR05
C140	Inspect and replace live axle companion flange and pinion seal; measure companion flange runout.	MR12
C148	Reassemble and reinstall differential case assembly; measure runout; determine necessary action.	MR12
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
C154	Inspect and replace drive axle shaft wheel studs.	MR12
C155	Remove and replace drive axle shafts.	MR12
C158	Diagnose FWD & AWD noise, vibration, and unusual steering concerns; determine necessary action.	MR05
C159	Inspect, adjust, and repair FWD & AWD shifting controls (mechanical, electrical, and vacuum), bushings, mounts, levers, and brackets.	MR12
C160	Remove and reinstall FWD & AWD transfer case.	MR12
C162	Inspect FWD front-wheel bearings and locking hubs; perform necessary action.	MR12
C163	Check FWD & AWD drive assembly seals and vents; check lube level.	MR12
C164	Diagnose test, adjust, and replace FWD & AWD electrical/electronic components of four-wheel drive systems.	MR12
C165	Identify and interpret suspension and steering concern; determine necessary action.	MR05

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C166	Research applicable vehicle and service information, such as suspension and steering system operation, vehicle service history, service precautions, and technical service bulletins.	MR01
C167	Locate and interpret vehicle and major suspension and steering component identification numbers (VIN, vehicle certification labels, calibration decals).	MR01
C168	Disable and enable supplemental restraint system (SRS).	MR04
C169	Remove and replace steering wheel; center/time supplemental restraint system (SRS) coil (clock spring).	MR04
C170	Diagnose steering column noises, looseness, and binding concerns (including tilt mechanisms); determine necessary action.	MR04
C175	Remove and replace manual or power rack and pinion steering gear; inspect mounting bushings and brackets.	MR04
C176	Inspect and replace manual or power rack and pinion steering gear inner tie rod ends (sockets) and bellows boots.	MR04
C177*	(Inspect power steering fluid levels and condition.) Determine proper power steering fluid type; inspect fluid level and condition.	MR05
C178	Flush, fill, and bleed power steering system.	MR04
C179	Diagnose power steering fluid leakage; determine necessary action.	MR05
C180	Remove, inspect, replace, and adjust power steering pump belt.	MR04
C181	Remove and reinstall power steering pump.	MR04
C182	Remove and reinstall power steering pump pulley; check pulley and belt alignment.	MR04
C183	Inspect and replace power steering hoses and fittings.	MR04
C184	Inspect and replace pitman arm, relay (centerlink/intermediate) rod, idler arm and mountings, and steering linkage damper.	MR04
C185	Inspect, replace, and adjust tie rod ends (sockets), tie rod sleeves, and clamps.	MR04
C187	Diagnose short and long arm suspension system noises, body sway, and uneven riding height concerns; determine necessary action.	MR05
C188	Diagnose strut suspension system noises, body sway, and uneven riding height concerns; determine necessary action.	MR04
C189	Remove, inspect, and install suspension upper and lower control arms, bushings, shafts, and rebound bumpers.	MR04
C190	Remove, inspect and install suspension strut rods (compression/tension) and bushings.	MR04
C191	Remove, inspect, and install suspension upper and/or lower ball joints.	MR04
C192	Remove, inspect, and install steering knuckle assemblies.	MR04
C193	Remove, inspect, and install short and long arm suspension system coil springs and spring insulators.	MR04
C194	Remove, inspect, install, and adjust suspension system torsion bars; inspect mounts.	MR04
C195	Remove, inspect, and install suspension stabilizer bar bushings, brackets, and links.	MR04
C196	Remove, inspect, and install suspension strut cartridge or assembly, strut coil spring, insulators (silencers), and upper strut bearing mount.	MR04
C197	Lubricate suspension and steering systems.	MR01
C198	Remove, inspect, and install suspension coil springs and spring insulators.	MR04
C199	Remove, inspect, and install suspension transverse links, control arms, bushings, and mounts.	MR04

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C200	Remove, inspect, and install suspension leaf springs, leaf spring insulators (silencers), shackles, brackets, bushings, and mounts.	MR04
C201	Remove, inspect, and install suspension strut cartridge or assembly, strut coil spring, and insulators (silencers).	MR04
C202	Inspect, remove, and replace shock absorbers.	MR04
C203	Remove, inspect, and service or replace front and rear wheel bearings.	MR04
C205	Differentiate between steering and suspension concerns using principles of steering geometry (caster, camber, toe, etc).	MR05
C206	Diagnose vehicle wander, drift, pull, hard steering, bump steer, memory steer, torque steer, and steering return concerns; determine necessary action.	MR04
C207	Perform prealignment inspection; perform necessary action.	MR04
C208	Measure vehicle riding height; determine necessary action.	MR04
C209	Check and adjust front and rear wheel camber; perform necessary action.	MR04
C210	Check and adjust caster; perform necessary action.	MR04
C211*	Check and adjust front wheel toe and center steering wheel; (adjust as needed).	MR04
C212	Center steering wheel.	MR04
C213	Check toe-out-on-turns (turning radius); determine necessary action.	MR04
C214	Check SAI (steering axis inclination) and included angle; determine necessary action.	MR04
C215	Check and adjust rear wheel toe.	MR04
C216	Check rear wheel thrust angle; determine necessary action.	MR04
C217	Check for front wheel setback; determine necessary action.	MR04
C218	Check front cradle (subframe) alignment; determine necessary action.	MR04
C219	Diagnose tire wear patterns; determine necessary action.	MR05
C220	Inspect tires; check and adjust air pressure.	MR01
C221	Diagnose wheel/tire vibrations, shimmy, and noise; determine necessary action.	MR04
C222	Rotate tires according to manufacturer's recommendations.	MR04
C223	Measure wheel, tire, axle, and hub runout; determine necessary action.	MR04
C224	Diagnose tire pull (lead) problem; determine necessary action.	MR04
C225	Balance wheel and tire assembly (static and dynamic).	MR01
C226*	Dismount, inspect, (repair,) and remount tire on wheel.	MR04
C227	Reinstall wheel; torque lug nuts.	MR01
C228	Inspect and repair tire.	MR04
C229	Identify and interpret brake system concern; determine necessary action.	MR05
C230	Research applicable vehicle and service information, such as brake system operation, vehicle service history, service precautions, and technical service bulletins.	MR01
C231	Locate and interpret vehicle and major brake system component identification numbers (VIN, vehicle certification labels, calibration decals).	MR01
C232	Diagnose pressure concerns in the brake system using hydraulic principles (Pascal's Law).	MR04
C233	Measure brake pedal height; determine necessary action.	MR04
C234	Check master cylinder for internal and external leaks and proper operation; determine necessary action.	MR04
C235	Remove, bench bleed, and reinstall master cylinder.	MR04

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C236	Diagnose poor stopping, pulling or dragging concerns caused by malfunctions in the hydraulic system; determine necessary action.	MR04
C237	Inspect brake lines, flexible hoses, and fittings for leaks, dents, kinks, rust, cracks, bulging or wear; tighten loose fittings and supports; determine necessary action.	MR04
C238	Fabricate and/or install brake lines (double flare and ISO types); replace hoses, fittings, and supports as needed.	MR04
C239	Select, handle, store, and fill brake fluids to proper level.	G1
C240	Inspect, test, and/or replace brake system metering (hold-off), proportioning (balance), pressure differential, and combination valves.	MR04
C241	Inspect, test, and adjust height (load) sensing proportioning valve.	MR04
C242	Inspect, test, and/or replace components of brake warning light system.	MR04
C243	Bleed (manual, pressure, vacuum or surge) brake system.	MR04
C244	Flush hydraulic brake system.	MR04
C245*	Diagnose poor stopping, noise, vibration, pulling, grabbing, dragging or pedal pulsation concerns in drum brakes; determine necessary action.	MR05
C246	Remove, clean (using proper safety procedures), inspect, and measure brake drums; determine necessary action.	MR04
C247	Refinish brake drum.	MR04
C248	Remove, clean, and inspect brake shoes, springs, pins, clips, levers, adjusters/self-adjusters, other related brake hardware, and backing support plates; lubricate and reassemble.	MR04
C249	Remove, inspect, and install drum brake wheel cylinders.	MR04
C250	Pre-adjust brake shoes and parking brake before installing brake drums or drum/hub assemblies and wheel bearings.	MR04
C251	Install wheel, torque lug nuts, and make final checks and adjustments.	MR01
C252*	Diagnose poor stopping, noise, vibration, pulling, grabbing, dragging or pedal pulsation concerns in disc brakes; determine necessary action.	MR05
C253	Remove brake caliper assembly from mountings; clean and inspect for leaks and damage to caliper housing; determine necessary action.	MR04
C254	Clean and inspect brake caliper mounting and slides for wear and damage; determine necessary action.	MR04
C255	Remove, clean, and inspect disc brake pads and retaining hardware; determine necessary action.	MR04
C256	Disassemble and clean disc brake caliper assembly; inspect parts for wear, rust, scoring, and damage; replace seal, boot, and damaged or worn parts.	MR04
C257	Reassemble, lubricate, and reinstall brake caliper, pads, and related hardware; seat pads, and inspect for leaks.	MR04
C258	Clean, inspect, and measure disc brake rotor with a dial indicator and a micrometer; follow manufacturer's recommendations in determining need to machine or replace.	MR04
C259	Remove and reinstall disc brake rotor.	MR04
C260	Refinish disc brake rotor (according to manufacturer's recommendations).	MR04
C261	Adjust disc brake calipers equipped with an integrated parking brake system.	MR04
C262	Install wheel, torque lug nuts, and make final checks and adjustments.	MR04
C263	Test brake pedal free travel with and without engine running; check power assist operation.	MR04

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C264	Check brake vacuum supply (manifold or auxiliary pump) to vacuum-type power booster.	MR04
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
C268	Remove, clean, inspect, repack, and install wheel bearings and replace seals; install hub and adjust wheel bearings.	MR04
C269	Check parking brake cables and components for wear, rusting, binding, and corrosion; clean, lubricate, or replace as needed.	MR04
C270	Check parking brake operation; determine necessary action.	MR01
C271	Check operation of parking brake indicator light system.	MR01
C272	Check operation of brake stop light system; determine necessary action.	MR01
C273	Replace wheel bearing and race.	MR04
C274	Inspect and replace wheel studs.	MR04
C275	Remove and reinstall sealed wheel bearing assembly.	MR04
C276	Identify and inspect antilock brake system (ABS) components; determine necessary action.	MR05
C280	Bleed the antilock brake system's (ABS) front and rear hydraulic circuits.	MR04
C281	Remove and install antilock brake system (ABS) electrical/electronic and hydraulic components.	MR04
C285	Identify and interpret electrical/electronic system concern; determine necessary action.	MR05
C286	Research applicable vehicle and service information, such as electrical/electronic system operation, vehicle service history, service precautions, and technical service bulletins.	MR01
C287	Locate and interpret vehicle and major electrical/electronic component identification numbers (VIN, vehicle certification labels, and calibration decals).	MR01
C288*	Diagnose electrical/electronic integrity of (for) series, parallel and series-parallel circuits using principles of electricity (Ohm's Law).	MR03
C289	Use wiring diagrams during diagnosis of electrical circuit problems.	MR03
C290	Demonstrate the proper use of a digital multimeter (DMM) during diagnosis of electrical circuit problems.	MR03
C292	Measure source voltage and perform voltage drop tests in electrical/electronic circuits using a voltmeter; determine necessary action.	MR03
C293	Measure current flow in electrical/electronic circuits and components using an ammeter; determine necessary action.	MR03
C294	Check continuity and measure resistance in electrical/electronic circuits and components using an ohmmeter; determine necessary action.	MR03
C295	Check electrical circuits using fused jumper wires; determine necessary action.	MR03
C296	Locate shorts, grounds, opens, and resistance problems in electrical/electronic circuits; determine necessary action.	MR03
C298	Inspect and test fusible links, circuit breakers, and fuses; determine necessary action.	MR03
C299*	Inspect and test switches, connectors, relays, solenoid solid state devices, and wires of electrical/electronic circuits; perform necessary action.	MR03
C301	Perform solder repair of electrical wiring.	MR03

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C302	Perform battery state-of-charge test; determine necessary action.	MR01
C303	Perform battery capacity test; confirm proper battery capacity for vehicle application; determine necessary action.	MR01
C305	Inspect, clean, fill, and replace battery.	MR03
C307	Inspect and clean battery cables, connectors, clamps, and hold-downs; repair or replace as needed.	MR03
C308	Start a vehicle using jumper cables and a battery or auxiliary power supply.	MR03
C309	Perform starter current draw tests; determine necessary action.	MR03
C310	Perform starter circuit voltage drop tests; determine necessary action.	MR03
C311	Inspect and test starter relays and solenoids; determine necessary action.	MR03
C312	Remove and install starter in a vehicle.	MR03
C313	Inspect and test switches, connectors, and wires of starter control circuits; perform necessary action.	MR03
C314	Differentiate between electrical and engine mechanical problems that cause a slow-crank or no-crank condition.	MR03
C315	Perform charging system output test; determine necessary action.	MR03
C316	Diagnose charging system for the cause of undercharge, no-charge, and over-charge conditions.	MR05
C317	Inspect, adjust, or replace generator (alternator) drive belts, pulleys, and tensioners; check pulley and belt alignment.	MR03
C318	Remove, inspect, and install generator (alternator).	MR03
C319	Perform charging circuit voltage drop tests; determine necessary action.	MR03
C320	Diagnose the cause of brighter than normal, intermittent, dim, or no light operation; determine necessary action.	MR05
C321	Inspect, replace, and aim headlights and bulbs.	MR03
C322	Inspect and diagnose incorrect turn signal or hazard light operation; perform necessary action	MR03
C323	Inspect and test gauges and gauge sending units for cause of intermittent, high, low, or no gauge readings; determine necessary action.	MR05
C324	Inspect and test connectors, wires, and printed circuit boards of gauge circuits; determine necessary action.	MR03
C326*	Inspect and test sensors, connectors, and wires of electronic (digital) instrument circuits; determine necessary action.	MR03
C327	Diagnose incorrect horn operation; perform necessary action.	MR03
C328	Diagnose incorrect wiper operation; diagnose wiper speed control and park problems; perform necessary action.	MR03
C330	Diagnose incorrect operation of motor-driven accessory circuits; determine necessary action.	MR03
C332	Diagnose incorrect electric lock operation; determine necessary action.	MR03
C335	Disarm and enable the airbag system for vehicle service.	MR03
C337	Remove and reinstall door panel.	BP01
C341	Identify and interpret heating and air conditioning concern; determine necessary action.	MR05
C342	Research applicable vehicle and service information, such as heating and air conditioning system operation, vehicle service history, service precautions, and technical service bulletins.	MR01

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C343	Locate and interpret vehicle and major heating and air conditioning system component identification numbers (VIN, vehicle certification labels, calibration decals).	MR01
C362	Diagnose temperature control problems in the heater/ventilation system; determine necessary action.	MR05
C363	Perform cooling system, cap, and recovery system tests (pressure, combustion leakage, and temperature); determine necessary action.	MR01
C364	Inspect engine cooling and heater system hoses and belts; perform necessary action.	MR01
C365*	Inspect, test, and replace thermostat and gasket (housing).	MR01
C366	Determine coolant condition and coolant type for vehicle application; drain and recover coolant.	MR01
C367	Flush system; refill system with recommended coolant; bleed system.	MR01
C368	Inspect and test cooling fan, fan clutch, fan shroud, and air dams; perform necessary action.	MR03
C369	Inspect and test electric cooling fan, fan control system and circuits; determine necessary action.	MR03
C370	Inspect and test heater control valve(s); perform necessary action.	MR03
C371*	Remove, inspect and reinstall heater core.	MR03
C386	Identify and interpret engine performance concern; determine necessary action.	MR05
C387	Research applicable vehicle and service information, such as engine management system operation, vehicle service history, service precautions, and technical service bulletins.	MR01
C388	Locate and interpret vehicle and major engine management system component identification numbers (VIN, vehicle certification labels, and calibration decals).	MR01
C409	Diagnose drivability and emissions problems resulting from malfunctions of inter-related systems (cruise control, security alarms, suspension controls, traction controls, A/C, automatic transmissions, non-OEM-installed accessories, or similar systems); determine necessary action.	MR03
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
C412	Inspect and test ignition primary circuit wiring and solid state components; perform necessary action.	MR02
C413	Inspect, test and service ignition system distributor.	MR02
C414	Inspect and test ignition system secondary circuit wiring and components; perform necessary action.	MR02
C415	Inspect and test ignition coil(s); perform necessary action.	MR02
C416	Check and adjust ignition system timing and timing advance/retard (where applicable).	MR02
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
C422	Replace fuel filters.	MR01
C425	Inspect and test gasoline/petrol fuel injectors.	MR02
C428	Inspect the integrity of the exhaust manifold, exhaust pipes, muffler(s), catalytic converter(s), resonator(s), tail pipe(s), and heat shield(s); perform necessary action.	MR02

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C432	Inspect, test and service positive crankcase ventilation (PCV) filter/breather cap, valve, tubes, orifices, and hoses; perform necessary action.	MR02
C434	Inspect, test, service and replace components of the EGR system, including EGR tubing, exhaust passages, vacuum/pressure controls, filters and hoses; perform necessary action.	MR02
C447	Adjust valves on engines with mechanical or hydraulic lifters.	MR01
C448	Remove and replace timing belt; verify correct camshaft timing.	MR02
C449*	Remove and replace thermostat and gasket.	MR02
C450	Inspect and test mechanical/electrical fans, fan clutch, fan shroud/ducting, air dams, and fan control devices; perform necessary action.	MR02
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
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
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
C470	Identify sources of service information, Locate and use paper and electronic manuals, Locate and use Technical Service Bulletins.	MR01
C471	Proper vehicle identification information, Define the use and purpose of the VIN, engine numbers and data code, Locate VIN, Apply knowledge of VIN information.	MR01
C472	Identify information needed and the service requested on a repair order.	G3
C473	Identify purpose and demonstrate proper use of fender covers, mats.	G1
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
C477	Check and adjust engine oil level.	MR01
C478	Check and adjust engine coolant level.	MR01
C479	Check and adjust power steering fluid level.	MR01
C480	Check and adjust brake fluid level.	MR01

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C481	Check and adjust windshield washer fluid level.	MR01
C482	Check and replace wiper blades.	MR01
C483	Check and adjust differential/transfer case fluid level.	MR01
C484	Check and adjust transmission fluid level.	MR01
C485	Inspect, replace, and adjust drive belts, tensioners, and pulleys; check pulley and belt alignment.	MR01
C486	Inspect and replace air filter.	MR01
C487	Determine fluid type requirements and identify fluid.	MR01
C488	Inspect powertrain mount; determine necessary action.	MR02
C489	Diagnose fluid usage, level and condition concerns; determine necessary action.	MR04
C490	Drain and fill transmission/final drive unit.	MR04
C491	Inspect constant-velocity (CV) joint boots.	MR04
C492	Remove and replace rear wheel drive shaft.	MR04
C493	Identify and visually inspect A/C system components.	MR01
C494	Locate refrigerant label and identify specified refrigerant type. (eg: R-12 R-134a)	G2
C495	Conduct preliminary performance test of A/C system (i.e.: verify compressor engagement, measure outlet duct temperature, sense temperature changes across A/C components); determine appropriate action.	MR01
C498	Inspect and test a diesel (CI) fuel injector.	MR02
C499	Remove and refit rotary diesel (CI) fuel injector pump.	MR02
C500	Bench test a rotary diesel (CI) fuel injector pump.	MR02
C501	Remove and replace a live rear axle.	MR12
C502	Carry out a full valet/detail on a vehicle.	MR09
C503	Replace diesel (CI) engine fuel filter.	MR01
C504	Demonstrate understanding of the correct methods of storage and disposal of lubricants, cleaning agents, & contaminates.	G1
C505	Recognize different vehicle types and body components.	MR05
C506	Carry out vehicle body adjustments and access vehicle components.	BP01
C507	Use resistance welding equipment and produce a 10 spot weld.	BP01
C508	Associated Studies Tasksheet - Workshop Key Skills: Identify personal protective equipment and safety features.	G1
C509	Associated Studies Tasksheet - Workshop Key Skills: Identify and document safety related vehicle workshop practices.	G2
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
C523	Carry out automotive industrial personal workplace requirements.	G2
C524	Select test equipment and test an automotive electrical circuit.	MR01
C525	Identify functions of automotive lighting systems, rectify lighting faults and adjust vehicle lamps.	MR01
C529	Bleed air from a diesel fuel system.	MR01
C530	Remove, repair, and/or replace and or machine exhaust system.	MR01
C533	Store and use hazardous materials in the motor and related industries.	G2

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C534	Identify the locations and functions of motor vehicle systems and main components.	MR01
C535	Select and apply lubricants and sealants for automotive and related industry applications.	MR01
C536	Prepare a vehicle and /or machine for use and shutdown after use.	MR01
C537	Clean automotive components and maintain cleaning equipment.	MR01
C538	Remove and replace exterior and interior motor body parts and trim in the motor industry.	BP01
C539	Associated Studies Tasksheet - Use of number - Solve problems using calculations with numbers expressed in different forms.	ICS
C541	Install engine covers using gaskets, seals and sealers as required.	MR02
C552	Repair tire using internal patch.	VF01
C555	Refinish rotor off vehicle.	MR04
C556	Measure and adjust master cylinder pushrod length.	MR01
C558	Remove and replace terminal end from connector	MR01
C560	Identify location of hybrid vehicle high voltage circuit disconnect (service plug) location and safety procedures	MR01
C561	Identify high voltage circuits of electric or hybrid electric vehicle and related safety precautions.	MR01
C562	Identify electronic modules, security systems and/or radios that require reinitialization or code entry following battery disconnect.	MR01
C563	Identify hybrid vehicle auxiliary (12v) battery service, repair and test procedures.	MR01
C564	Identify system voltage and safety precautions associated with high intensity discharge headlights.	MR01
C567	Identify hybrid vehicle AC system electrical circuits, service and safety precautions.	MR01
C568	Perform cooling system pressure tests; check coolant condition, inspect and test radiator, pressure cap, coolant recovery tank, and hoses; perform necessary action.	MR02
C573	Perform oil and filter changes.	MR01
C575	Identify hybrid vehicle internal combustion engine service precautions.	MR01
C576	Visually inspect cylinder head(s) for cracks; check gasket surface areas for warpage and leakage; check passage condition.	MR11
C578	Perform cooling system pressure tests; check coolant condition; inspect and test radiator, pressure cap, coolant recovery tank, and hoses; determine necessary action.	MR01
C579	Dismount, inspect, and remount tire on wheel equipped with tire pressure sensor.	VF02
C580	Inspect tire and wheel assembly for air loss; perform necessary action.	VF01
C586	Check idle speed	MR01
C587	Perform battery capacity test(or conductance test) ; confirm proper battery capacity for vehicle application; determine necessary action.	MR01