

CDX Tasksheet Number	TASKSHEET	Red Seal Canada 2005
C001	Identify and interpret engine concern; determine necessary action.	B4.03
C002	Research applicable vehicle and service information, such as internal engine operation, vehicle service history, service precautions, and technical service bulletins.	A2.02
C003	Locate and interpret vehicle engine and major component identification numbers (VIN, vehicle certification labels, and calibration decals).	A2.02
C004	Inspect engine assembly for fuel, oil, coolant, and other leaks; determine necessary action.	B4.03
C005	Diagnose engine noises and vibrations; determine necessary action.	B4.03
C006	Diagnose the cause of excessive oil consumption, unusual engine exhaust color, odor, and sound; determine necessary action.	B4.02
C007	Perform engine vacuum tests; determine necessary action.	B4.03
C008	Perform engine cylinder power balance tests; determine necessary action.	B4.03
C009*	Perform engine cylinder cranking compression tests; determine necessary action.	B4.03
C010	Perform engine cylinder leakage tests; determine necessary action.	B4.03
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.	B5.03
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.	B5.03
C013*	Remove cylinder head(s); Visually inspect cylinder head(s) for cracks; check gasket surface areas for warpage and leakage; check passage condition.	B4.03
C014*	Install cylinder heads and gaskets; tighten according to manufacturer's specifications and procedures.	B5.03
C015	Inspect engine valve springs for squareness and free height comparison; determine necessary action.	B4.03
C016	Replace engine valve stem seals on an assembled engine; inspect valve spring retainers, locks, and valve grooves; determine necessary action.	B5.03
C017	Inspect engine valve guides for wear; check valve stem-to-guide clearance; determine necessary action.	B5.03
C018	Inspect engine valves and valve seats; determine necessary action.	B5.03
C019	Check engine valve face-to-seat contact and valve seat concentricity (runout); determine necessary action.	B5.03
C020	Check engine valve spring assembled height and valve stem height; determine necessary action.	B5.03
C021	Inspect pushrods, rocker arms, rocker arm pivots and shafts for wear, bending, cracks, looseness, and blocked oil passages (orifices); determine necessary action.	B5.03
C022	Inspect engine hydraulic or mechanical lifters; determine necessary action.	B5.03
C023	Adjust engine valves (mechanical or hydraulic lifters).	B5.03
C024	Inspect camshaft drives (including gear wear and backlash, sprocket and chain wear); determine necessary action.	B5.03
C025	Inspect and replace timing belts (chains), overhead camdrive sprockets, and tensioners; check belt/chain tension; adjust as necessary.	B5.03
C026	Inspect camshaft for runout, journal wear and lobe wear.	B5.03
C027	Inspect camshaft bearing surface for wear, damage, out-of-round, and alignment; determine necessary action.	B5.03
C028	Establish camshaft(s) timing and cam sensor indexing according to manufacturer's specifications and procedures.	B5.03

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C029	Disassemble engine block; clean and prepare components for inspection and reassembly.	B5.03
C030	Inspect engine block for visible cracks, passage condition, core and gallery plug condition, and surface warpage; determine necessary action.	B5.03
C031	Inspect internal and external threads in engine blocks; restore as needed (includes installing thread inserts).	B5.03
C032*	Inspect and measure engine cylinder walls/Sleeves for damage, wear, and ridges; determine necessary action.	B5.03
C033	Deglaze and clean engine cylinder walls.	B5.03
C034	Inspect and measure camshaft bearings for wear, damage, out-of-round, and alignment; determine necessary action.	B5.03
C035	Inspect crankshaft for end play, straightness, journal damage, keyway damage, thrust flange and sealing surface condition, and visual surface cracks; check oil passage condition; measure journal wear; check crankshaft sensor reluctor ring (where applicable); determine necessary action.	B5.03
C036*	Inspect (and measure) main and connecting rod bearings for damage and wear, (clearance and end play); determine necessary action (includes the proper selection of bearings).	B5.03
C037*	Identify piston and bearing wear patterns that indicate connecting rod alignment and main bearing bore problems; (inspect rod alignment and bearing bore condition) and determine necessary action.	B5.03
C038	Inspect and measure pistons; determine necessary action.	B5.03
C039	Remove and replace piston pin.	B5.03
C040	Inspect, measure, and install piston rings.	B5.03
C041	Inspect engine auxiliary (balance, intermediate, idler, counterbalance or silencer) shaft(s); inspect shaft(s) and support bearings for damage and wear; determine necessary action; reinstall and time.	B5.03
C042	Inspect or replace crankshaft vibration damper (harmonic balancer).	B5.03
C043	Assemble the engine using gaskets, seals, and formed-in-place (tube-applied) sealants, thread sealers, etc. according to manufacturer's specifications.	B5.03
C044	Perform engine oil pressure tests; determine necessary action.	B5.03
C045	Inspect engine oil pump gears or rotors, housing, pressure relief devices, and pump drive; perform necessary action.	B5.03
C046	Perform cooling system, cap, and recovery system tests (pressure, combustion leakage, and temperature); determine necessary action.	B5.03
C047	Inspect, replace, and adjust engine drive belts, tensioners, and pulleys; check pulley and belt alignment.	B5.03
C048	Inspect and replace engine cooling and heater system hoses.	B5.01
C049*	Inspect, test, and replace thermostat (and housing) and gasket.	B5.01
C050	Test coolant; drain and recover coolant; flush and refill cooling system with recommended coolant; bleed air as required.	B5.01
C051	Inspect, test, remove, and replace water pump.	B5.01
C052	Remove and replace radiator.	B5.01
C053	Inspect, and test fans(s) (electrical or mechanical), fan clutch, fan shroud, and air dams.	B5.01
C054	Inspect auxiliary engine oil coolers; determine necessary action.	B5.02
C055	Inspect, test, and replace engine oil temperature and pressure switches and sensors.	B5.02
C056	Perform engine oil and filter change.	B5.02

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C057	Identify and interpret transmission/transaxle concern; assure proper engine operation; determine necessary action.	A2.02
C058*	Research applicable vehicle and service information, such as transmission/transaxle system operation, vehicle service history, service precautions, Fluid type and technical service bulletins.	A2.02
C059	Locate and interpret vehicle and major transmission/transaxle component identification numbers (VIN, vehicle certification labels, and calibration decals).	A2.02
C060*	Diagnose transmission/transaxle fluid loss (usage), level, and condition concerns; determine necessary action. Diagnose fluid loss and condition concerns; check fluid level on transmissions with and without dip-stick; determine necessary action	D10.03
C061	Perform transmission/transaxle pressure tests; determine necessary action.	D10.03
C062	Perform transmission/transaxle stall test; determine necessary action.	D10.03
C063	Perform lock-up converter system tests; determine necessary action.	D10.03
C064	Diagnose transmission/transaxle (electronic), mechanical and (hydraulic), vacuum control system concerns; determine necessary action.	D10.03
C065	Diagnose transmission/transaxle noise and vibration concerns; determine necessary action.	D10.03
C066	Diagnose transmission/transaxle gear reduction/multiplication concerns using driving, driven, and held member (power flow) principles.	D10.03
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).	D11.03
C068	Service transmission; perform visual inspection; replace fluids and filters.	D11.03
C069	Inspect, adjust or replace transmission/transaxle (as applicable) vacuum modulator; inspect and repair or replace lines and hoses.	D11.03
C070	Inspect, repair, and replace transmission/transaxle governor assembly.	D11.03
C071	Inspect and replace transmission/transaxle external seals and gaskets.	D11.03
C072	Inspect transmission/transaxle extension housing, bushings and seals; perform necessary action.	D11.03
C073	Inspect, leak test, flush, and replace transmission/transaxle cooler, lines, and fittings.	D11.03
C074	Inspect and replace speedometer drive gear, driven gear, vehicle speed sensor (VSS), and retainers.	D11.03
C075	Diagnose electronic transmission control systems using a scan tool; determine necessary action.	D11.03
C076	Inspect, replace, and align powertrain mounts.	D11.03
C077	Remove and reinstall transmission and torque converter (rear-wheel drive).	D11.03
C078	Remove and reinstall transaxle and torque converter assembly.	D11.03
C079	Disassemble, clean, and inspect transmission/transaxle.	D11.03
C080*	Inspect, measure, clean, and replace transmission/transaxle valve body (includes surfaces, (and) bores, springs, valves, sleeves, retainers, brackets, check-balls, screens, spacers, and gaskets).	D11.03
C081	Inspect transmission/transaxle servo bore, piston, seals, pin, spring, and retainers; determine necessary action.	D11.03
C082	Inspect transmission/transaxle accumulator bore, piston, seals, spring, and retainer; determine necessary action.	D11.03
C083	Assemble transmission/transaxle.	D11.03
C084	Inspect converter flex plate, attaching parts, pilot, pump drive, and seal areas.	D11.03
C085	Measure torque converter endplay and check for interference; check stator clutch.	D11.03

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C086	Inspect, measure, and reseal transmission/transaxle oil pump assembly and components.	D11.03
C087	Measure transmission/transaxle endplay or preload; determine necessary action.	D11.03
C088	Inspect, measure, and replace transmission/transaxle thrust washers and bearings.	D11.03
C089	Inspect transmission/transaxle oil delivery seal rings, ring grooves, and sealing surface areas.	D11.03
C090	Inspect transmission/transaxle bushings; determine necessary action.	D11.03
C091	Inspect and measure planetary gear assembly (includes sun, ring gear, thrust washers, planetary gears, and carrier assembly); determine necessary action.	D11.03
C092	Inspect transmission/transaxle case bores, passages, bushings, vents, and mating surfaces; determine necessary action.	D11.03
C093	Inspect transaxle drive, link chains, sprockets, gears, bearings, and bushings; perform necessary action.	D11.03
C094	Inspect, measure, repair, adjust or replace transaxle final drive components.	D11.03
C095	Inspect and reinstall parking pawl, shaft, spring, and retainer; determine necessary action.	D11.03
C096	Inspect transmission/transaxle clutch drum, piston, check-balls, springs, retainers, seals, and friction and pressure plates; determine necessary action.	D11.03
C097	Measure transmission/transaxle clutch pack clearance; determine necessary action.	D11.03
C098*	Air test the operation of transmission/transaxle clutch and servo assemblies.	D11.03
C099	Inspect transmission/transaxle roller and sprag clutch, races, rollers, sprags, springs, cages, and retainers; replace as needed.	D11.03
C100	Inspect transmission/transaxle bands and drums; determine necessary action.	D11.03
C101	Identify and interpret drive train concern; determine necessary action.	D11.03
C102*	Research applicable vehicle and service information, such as drive train system operation, Fluid type, vehicle service history, service precautions, and technical service bulletins.	A2.02
C103	Locate and interpret vehicle and major drive train system component identification numbers (VIN, vehicle certification labels, calibration decals).	A2.02
C104*	Diagnose drive train system fluid loss (usage), level, and condition concerns; determine necessary action.	D10.02
C105	Drain and fill manual transmission/transaxle and final drive unit.	D11.02
C106	Diagnose clutch noise, binding, slippage, pulsation, and chatter; determine necessary action.	D10.04
C107	Inspect clutch pedal linkage, cables, automatic adjuster mechanisms, brackets, bushings, pivots, and springs; perform necessary action.	D11.04
C108	Inspect hydraulic clutch slave and master cylinders, lines, and hoses; determine necessary action.	D11.04
C109	Inspect clutch release (throw-out) bearing, lever, and pivot; determine necessary action.	D10.04
C110	Inspect and replace clutch pressure plate assembly and clutch disc.	D11.04
C111	Bleed clutch hydraulic system.	D11.04
C112	Inspect, remove or replace primary shaft pilot bearing or bushing (as applicable).	D11.04
C113	Inspect flywheel and ring gear for wear and cracks, determine necessary action.	D11.04
C114	Inspect engine block, clutch (bell) housing, transmission/transaxle case mating surfaces, and alignment dowels; determine necessary action.	D11.04
C115	Measure flywheel runout and crankshaft endplay; determine necessary action.	D11.04

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C116	Remove and reinstall manual transmission/transaxle.	D11.02
C117	Disassemble, clean, and reassemble manual transmission/transaxle components.	D11.02
C118	Inspect manual transmission/transaxle case, extension housing, case mating surfaces, bores, bushings, and vents; perform necessary action.	D11.02
C119	Diagnose manual transmission noise, hard shifting, jumping out of gear, and fluid leakage concerns; determine necessary action.	D10.02
C120	Inspect, adjust, and reinstall manual transmission shift linkages, brackets, bushings, cables, pivots, and levers.	D11.02
C121	Inspect and reinstall manual transmission powertrain mounts.	D11.02
C122	Inspect and replace manual transmission gaskets, seals, and sealants; inspect sealing surfaces.	D11.02
C123	Remove and replace manual transmission transaxle final drive.	D11.02
C124	Inspect, adjust, and reinstall manual transmission shift cover, forks, levers, grommets, shafts, sleeves, detent mechanism, interlocks, and springs.	D11.02
C125	Measure manual transmission endplay or preload (shim or spacer selection procedure) on transmission/transaxle shafts; perform necessary action.	D11.02
C126	Inspect and reinstall manual transmission synchronizer hub, sleeve, keys (inserts), springs, and blocking rings.	D11.02
C127	Inspect and reinstall manual transmission speedometer drive gear, driven gear, vehicle speed sensor (VSS), and retainers.	D11.02
C128	Diagnose manual transaxle final drive assembly noise and vibration concerns; determine necessary action.	D10.06
C129	Remove, inspect, measure, adjust, and reinstall manual transaxle final drive pinion gears (spiders), shaft, side gears, side bearings, thrust washers, and case assembly.	D11.06
C130	Inspect manual transmission lubrication devices (oil pump or slingers); perform necessary action.	A2.02
C131	Inspect, test, and replace manual transmission/transaxle sensors and switches.	A2.02
C132	Diagnose constant-velocity (CV) joint noise and vibration concerns; determine necessary action.	D10.01
C133	Diagnose universal joint noise and vibration concerns; perform necessary action.	D11.01
C134*	Remove and replace front wheel drive (FWD) front wheel bearing.	D11.01
C135	Inspect, service, and replace drive shafts, yokes, boots, and CV joints.	D11.01
C136	Inspect, service, and replace propellor shaft center support bearings.	D11.01
C137*	Check propellor shaft balance and phasing; measure shaft runout; measure and adjust driveline angles.	D11.01
C138	Diagnose live axle noise and vibration concerns; determine necessary action.	D10.06
C139	Diagnose live axle fluid leakage concerns; determine necessary action.	D10.06
C140	Inspect and replace live axle companion flange and pinion seal; measure companion flange runout.	D11.06
C141	Inspect final drive ring gear and measure runout; determine necessary action.	D11.06
C142	Remove, inspect, and reinstall final drive pinion and ring gear, spacers, sleeves, and bearings.	D11.06
C143	Measure and adjust final drive pinion depth.	D11.06
C144	Measure and adjust final drive pinion bearing preload.	D11.06
C145	Measure and adjust side bearing preload and ring and pinion gear total backlash and backlash variation on a differential carrier assembly (threaded cup or shim types).	D11.06

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C146	Check final drive ring and pinion tooth contact patterns; perform necessary action.	D11.06
C147	Disassemble, inspect, measure, and adjust or replace differential pinion gears (spiders), shaft, side gears, side bearings, thrust washers, and case.	D11.06
C148	Reassemble and reinstall differential case assembly; measure runout; determine necessary action.	D11.06
C149	Diagnose limited slip differential noise, slippage, and chatter concerns; determine necessary action.	D11.06
C150*	Clean and Inspect limited slip differential unit (and flush) differential housing; refill with correct lubricant.	D11.06
C151	Inspect and reinstall limited slip differential clutch (cone or plate) components.	D11.06
C152	Measure limited slip differential rotating torque; determine necessary action.	D11.06
C153	Diagnose drive axle shafts, bearings, and seals for noise, vibration, and fluid leakage concerns; determine necessary action.	D10.01
C154	Inspect and replace drive axle shaft wheel studs.	D11.01
C155	Remove and replace drive axle shafts.	D11.01
C156	Inspect and replace drive axle shaft seals, bearings, and retainers.	D11.01
C157	Measure drive axle flange runout and shaft endplay; determine necessary action.	D10.01
C158	Diagnose FWD & AWD noise, vibration, and unusual steering concerns; determine necessary action.	D10.01
C159	Inspect, adjust, and repair FWD & AWD shifting controls (mechanical, electrical, and vacuum), bushings, mounts, levers, and brackets.	D11.01
C160	Remove and reinstall FWD & AWD transfer case.	D11.01
C161	Disassemble, service, and reassemble FWD & AWD transfer case and components.	D11.01
C162	Inspect FWD front-wheel bearings and locking hubs; perform necessary action.	D11.01
C163	Check FWD & AWD drive assembly seals and vents; check lube level.	D10.01
C164	Diagnose test, adjust, and replace FWD & AWD electrical/electronic components of four-wheel drive systems.	D11.01
C165	Identify and interpret suspension and steering concern; determine necessary action.	F16.01/02
C166	Research applicable vehicle and service information, such as suspension and steering system operation, vehicle service history, service precautions, and technical service bulletins.	A2.02
C167	Locate and interpret vehicle and major suspension and steering component identification numbers (VIN, vehicle certification labels, calibration decals).	A2.02
C168	Disable and enable supplemental restraint system (SRS).	F16.01
C169	Remove and replace steering wheel; center/time supplemental restraint system (SRS) coil (clock spring).	F17.01
C170	Diagnose steering column noises, looseness, and binding concerns (including tilt mechanisms); determine necessary action.	F17.01
C171*	Diagnose power steering gear (non-rack and pinion) binding, uneven turning effort, looseness, hard steering, noise and fluid leakage concerns; determine necessary action.	F17.01
C172	Diagnose power steering gear (rack and pinion) binding, uneven turning effort, looseness, hard steering, and fluid leakage concerns; determine necessary action.	F17.01
C173	Inspect steering shaft universal-joint(s), flexible coupling(s), collapsible column, lock cylinder mechanism, and steering wheel; perform necessary action.	F17.01
C174	Adjust manual or power non-rack and pinion worm bearing preload and sector lash.	F17.01

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C175	Remove and replace manual or power rack and pinion steering gear; inspect mounting bushings and brackets.	F17.01
C176	Inspect and replace manual or power rack and pinion steering gear inner tie rod ends (sockets) and bellows boots.	F17.01
C177*	(Inspect power steering fluid levels and condition.) Determine proper power steering fluid type; inspect fluid level and condition.	F17.01
C178	Flush, fill, and bleed power steering system.	F17.01
C179	Diagnose power steering fluid leakage; determine necessary action.	F17.01
C180	Remove, inspect, replace, and adjust power steering pump belt.	F17.01
C181	Remove and reinstall power steering pump.	F17.01
C182	Remove and reinstall power steering pump pulley; check pulley and belt alignment.	F17.01
C183	Inspect and replace power steering hoses and fittings.	F17.01
C184	Inspect and replace pitman arm, relay (centerlink/intermediate) rod, idler arm and mountings, and steering linkage damper.	F17.01
C185	Inspect, replace, and adjust tie rod ends (sockets), tie rod sleeves, and clamps.	F17.01
C186	Test and diagnose components of electronically controlled steering systems using a scan tool; determine necessary action.	F17.01
C187	Diagnose short and long arm suspension system noises, body sway, and uneven riding height concerns; determine necessary action.	F17.02
C188	Diagnose strut suspension system noises, body sway, and uneven riding height concerns; determine necessary action.	F17.02
C189	Remove, inspect, and install suspension upper and lower control arms, bushings, shafts, and rebound bumpers.	F17.02
C190	Remove, inspect and install suspension strut rods (compression/tension) and bushings.	F17.02
C191	Remove, inspect, and install suspension upper and/or lower ball joints.	F17.02
C192	Remove, inspect, and install steering knuckle assemblies.	F17.02
C193	Remove, inspect, and install short and long arm suspension system coil springs and spring insulators.	F17.02
C194	Remove, inspect, install, and adjust suspension system torsion bars; inspect mounts.	F17.02
C195	Remove, inspect, and install suspension stabilizer bar bushings, brackets, and links.	F17.02
C196	Remove, inspect, and install suspension strut cartridge or assembly, strut coil spring, insulators (silencers), and upper strut bearing mount.	F17.02
C197	Lubricate suspension and steering systems.	F17.02
C198	Remove, inspect, and install suspension coil springs and spring insulators.	F17.02
C199	Remove, inspect, and install suspension transverse links, control arms, bushings, and mounts.	F17.02
C200	Remove, inspect, and install suspension leaf springs, leaf spring insulators (silencers), shackles, brackets, bushings, and mounts.	F17.02
C201	Remove, inspect, and install suspension strut cartridge or assembly, strut coil spring, and insulators (silencers).	F17.02
C202	Inspect, remove, and replace shock absorbers.	F17.02
C203	Remove, inspect, and service or replace front and rear wheel bearings.	F17.02
C204	Test and diagnose components of electronically controlled suspension systems using a scan tool; determine necessary action.	F17.02

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C205	Differentiate between steering and suspension concerns using principles of steering geometry (caster, camber, toe, etc).	F17.02
C206	Diagnose vehicle wander, drift, pull, hard steering, bump steer, memory steer, torque steer, and steering return concerns; determine necessary action.	F17.02
C207	Perform prealignment inspection; perform necessary action.	F17.02
C208	Measure vehicle riding height; determine necessary action.	F16.02
C209	Check and adjust front and rear wheel camber; perform necessary action.	F17.02
C210	Check and adjust caster; perform necessary action.	F17.02
C211*	Check and adjust front wheel toe and center steering wheel; (adjust as needed).	F17.02
C212	Center steering wheel.	F17.02
C213	Check toe-out-on-turns (turning radius); determine necessary action.	F17.02
C214	Check SAI (steering axis inclination) and included angle; determine necessary action.	F17.02
C215	Check and adjust rear wheel toe.	F17.02
C216	Check rear wheel thrust angle; determine necessary action.	F17.02
C217	Check for front wheel setback; determine necessary action.	F17.02
C218	Check front cradle (subframe) alignment; determine necessary action.	F17.02
C219	Diagnose tire wear patterns; determine necessary action.	F16.04
C220	Inspect tires; check and adjust air pressure.	F16.04
C221	Diagnose wheel/tire vibrations, shimmy, and noise; determine necessary action.	F16.04
C222	Rotate tires according to manufacturer's recommendations.	F17.04
C223	Measure wheel, tire, axle, and hub runout; determine necessary action.	F17.04
C224	Diagnose tire pull (lead) problem; determine necessary action.	F17.04
C225	Balance wheel and tire assembly (static and dynamic).	F17.04
C226*	Dismount, inspect, (repair,) and remount tire on wheel.	F17.04
C227	Reinstall wheel; torque lug nuts.	F17.04
C228	Inspect and repair tire.	F17.04
C229	Identify and interpret brake system concern; determine necessary action.	F16.03
C230	Research applicable vehicle and service information, such as brake system operation, vehicle service history, service precautions, and technical service bulletins.	A2.02
C231	Locate and interpret vehicle and major brake system component identification numbers (VIN, vehicle certification labels, calibration decals).	A2.02
C232	Diagnose pressure concerns in the brake system using hydraulic principles (Pascal's Law).	F16.03
C233	Measure brake pedal height; determine necessary action.	F16.03
C234	Check master cylinder for internal and external leaks and proper operation; determine necessary action.	F16.03
C235	Remove, bench bleed, and reinstall master cylinder.	F17.03
C236	Diagnose poor stopping, pulling or dragging concerns caused by malfunctions in the hydraulic system; determine necessary action.	F16.03
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.	F16.03
C238	Fabricate and/or install brake lines (double flare and ISO types); replace hoses, fittings, and supports as needed.	F17.03
C239	Select, handle, store, and fill brake fluids to proper level.	F17.03

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C240	Inspect, test, and/or replace brake system metering (hold-off), proportioning (balance), pressure differential, and combination valves.	F17.03
C241	Inspect, test, and adjust height (load) sensing proportioning valve.	F17.03
C242	Inspect, test, and/or replace components of brake warning light system.	F17.03
C243	Bleed (manual, pressure, vacuum or surge) brake system.	F17.03
C244	Flush hydraulic brake system.	F17.03
C245*	Diagnose poor stopping, noise, vibration, pulling, grabbing, dragging or pedal pulsation concerns in drum brakes; determine necessary action.	F16.03
C246	Remove, clean (using proper safety procedures), inspect, and measure brake drums; determine necessary action.	F17.03
C247	Refinish brake drum.	F17.03
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.	F17.03
C249	Remove, inspect, and install drum brake wheel cylinders.	F17.03
C250	Pre-adjust brake shoes and parking brake before installing brake drums or drum/hub assemblies and wheel bearings.	F17.03
C252*	Diagnose poor stopping, noise, vibration, pulling, grabbing, dragging or pedal pulsation concerns in disc brakes; determine necessary action.	F16.03
C253	Remove brake caliper assembly from mountings; clean and inspect for leaks and damage to caliper housing; determine necessary action.	F17.03
C254	Clean and inspect brake caliper mounting and slides for wear and damage; determine necessary action.	F17.03
C255	Remove, clean, and inspect disc brake pads and retaining hardware; determine necessary action.	F17.03
C256	Disassemble and clean disc brake caliper assembly; inspect parts for wear, rust, scoring, and damage; replace seal, boot, and damaged or worn parts.	F17.03
C257	Reassemble, lubricate, and reinstall brake caliper, pads, and related hardware; seat pads, and inspect for leaks.	F17.03
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.	F17.03
C259	Remove and reinstall disc brake rotor.	F17.03
C260	Refinish disc brake rotor (according to manufacturer's recommendations).	F17.03
C261	Adjust disc brake calipers equipped with an integrated parking brake system.	F17.03
C262	Install wheel, torque lug nuts, and make final checks and adjustments.	F17.04
C263	Test brake pedal free travel with and without engine running; check power assist operation.	F17.03
C264	Check brake vacuum supply (manifold or auxiliary pump) to vacuum-type power booster.	F17.03
C265	Inspect the vacuum-type brake power booster unit for vacuum leaks; inspect the check valve for proper operation; determine necessary action.	F17.03
C266	Inspect and test brake hydro-boost system and accumulator for leaks and proper operation; determine necessary action.	F17.03
C267	Diagnose wheel bearing noises, wheel shimmy, and vibration concerns; determine necessary action.	F16.04
C268	Remove, clean, inspect, repack, and install wheel bearings and replace seals; install hub and adjust wheel bearings.	F17.04

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C269	Check parking brake cables and components for wear, rusting, binding, and corrosion; clean, lubricate, or replace as needed.	F17.03
C270	Check parking brake operation; determine necessary action.	F17.03
C271	Check operation of parking brake indicator light system.	F17.03
C272	Check operation of brake stop light system; determine necessary action.	F16.03
C273	Replace wheel bearing and race.	F17.04
C274	Inspect and replace wheel studs.	F17.04
C275	Remove and reinstall sealed wheel bearing assembly.	F17.04
C276	Identify and inspect antilock brake system (ABS) components; determine necessary action.	F17.03
C277	Diagnose poor stopping, wheel lock-up, abnormal pedal feel or pulsation, and noise concerns caused by the antilock brake system (ABS); determine necessary action.	F17.03
C278	Diagnose antilock brake system (ABS) electronic control(s) and components using self-diagnosis and/or recommended test equipment; determine necessary action.	F17.03
C279	Depressurized high-pressure components of the antilock brake system (ABS).	F17.03
C280	Bleed the antilock brake system's (ABS) front and rear hydraulic circuits.	F17.03
C281	Remove and install antilock brake system (ABS) electrical/electronic and hydraulic components.	F17.03
C282	Test, diagnose and service ABS speed sensors, toothed ring (tone wheel), and circuits using a graphing multimeter (GMM)/digital storage oscilloscope (DSO) (includes output signal, resistance, shorts to voltage/ground, and frequency data).	F17.03
C283	Diagnose antilock brake system (ABS) braking concerns caused by vehicle modifications (tire size, curb height, final drive ratio, etc.).	F17.03
C284*	Identify traction control/vehicle stability control system components.	F17.03
C285	Identify and interpret electrical/electronic system concern; determine necessary action.	F17.03
C286	Research applicable vehicle and service information, such as electrical/electronic system operation, vehicle service history, service precautions, and technical service bulletins.	A2.02
C287	Locate and interpret vehicle and major electrical/electronic component identification numbers (VIN, vehicle certification labels, and calibration decals).	A2.02
C288*	Diagnose electrical/electronic integrity of (for) series, parallel and series-parallel circuits using principles of electricity (Ohm's Law).	E12.06
C289	Use wiring diagrams during diagnosis of electrical circuit problems.	E12.06
C290	Demonstrate the proper use of a digital multimeter (DMM) during diagnosis of electrical circuit problems.	E12.06
C291	Check electrical circuits with a test light; determine necessary action.	E12.06
C292	Measure source voltage and perform voltage drop tests in electrical/electronic circuits using a voltmeter; determine necessary action.	E12.06
C293	Measure current flow in electrical/electronic circuits and components using an ammeter; determine necessary action.	E12.06
C294	Check continuity and measure resistance in electrical/electronic circuits and components using an ohmmeter; determine necessary action.	E12.06
C295	Check electrical circuits using fused jumper wires; determine necessary action.	E12.06
C296	Locate shorts, grounds, opens, and resistance problems in electrical/electronic circuits; determine necessary action.	E13.02
C297	Measure and diagnose the cause(s) of excessive key-off battery drain (parasitic draw); determine necessary action.	E13.02

CDX Tasksheet Number	TASKSHEET	Red Seal Canada 2005
C298	Inspect and test fusible links, circuit breakers, and fuses; determine necessary action.	E13.02
C299*	Inspect and test switches, connectors, relays, solenoid solid state devices, and wires of electrical/electronic circuits; perform necessary action.	E13.02
C300	Repair wiring harnesses and connectors.	E13.02
C301	Perform solder repair of electrical wiring.	E13.02
C302	Perform battery state-of-charge test; determine necessary action.	E13.01
C303	Perform battery capacity test; confirm proper battery capacity for vehicle application; determine necessary action.	E13.01
C304	Maintain or restore electronic memory functions.	E13.01
C305	Inspect, clean, fill, and replace battery.	E13.01
C306	Perform slow/fast battery charge.	E13.01
C307	Inspect and clean battery cables, connectors, clamps, and hold-downs; repair or replace as needed.	E13.01
C308	Start a vehicle using jumper cables and a battery or auxiliary power supply.	E13.01
C309	Perform starter current draw tests; determine necessary action.	E13.01
C310	Perform starter circuit voltage drop tests; determine necessary action.	E13.01
C311	Inspect and test starter relays and solenoids; determine necessary action.	E13.01
C312	Remove and install starter in a vehicle.	E13.01
C313	Inspect and test switches, connectors, and wires of starter control circuits; perform necessary action.	E13.01
C314	Differentiate between electrical and engine mechanical problems that cause a slow-crank or no-crank condition.	E12.01 + B4.03 + A3.03
C315	Perform charging system output test; determine necessary action.	E13.01
C316	Diagnose charging system for the cause of undercharge, no-charge, and overcharge conditions.	E12.01
C317	Inspect, adjust, or replace generator (alternator) drive belts, pulleys, and tensioners; check pulley and belt alignment.	E13.01
C318	Remove, inspect, and install generator (alternator).	E13.01
C319	Perform charging circuit voltage drop tests; determine necessary action.	E13.01
C320	Diagnose the cause of brighter than normal, intermittent, dim, or no light operation; determine necessary action.	E13.03
C321	Inspect, replace, and aim headlights and bulbs.	E13.03
C322	Inspect and diagnose incorrect turn signal or hazard light operation; perform necessary action	E13.03
C323	Inspect and test gauges and gauge sending units for cause of intermittent, high, low, or no gauge readings; determine necessary action.	E13.08
C324	Inspect and test connectors, wires, and printed circuit boards of gauge circuits; determine necessary action.	E13.08
C325	Diagnose the cause of incorrect operation of warning devices and other driver information systems; determine necessary action.	E12.07
C326*	Inspect and test sensors, connectors, and wires of electronic (digital) instrument circuits; determine necessary action.	E13.02
C327	Diagnose incorrect horn operation; perform necessary action.	E12.06
C328	Diagnose incorrect wiper operation; diagnose wiper speed control and park problems; perform necessary action.	E12.03

CDX Tasksheet Number	TASKSHEET	Red Seal Canada 2005
C329	Diagnose incorrect washer operation; perform necessary action.	E12.03
C330	Diagnose incorrect operation of motor-driven accessory circuits; determine necessary action.	E12.06
C331	Diagnose incorrect heated glass operation; determine necessary action.	E12.06
C332	Diagnose incorrect electric lock operation; determine necessary action.	E12.06
C333	Diagnose incorrect operation of cruise control systems; determine necessary action.	E12.06
C334	Diagnose supplemental restraint system (SRS) concerns; determine necessary action. (Note: Follow manufacturer's safety procedures to prevent accidental deployment.)	G18.01
C335	Disarm and enable the airbag system for vehicle service.	F17.01
C336	Diagnose radio static and weak, intermittent, or no radio reception; determine necessary action.	E12.04
C338	Diagnose body electronic system circuits using a scan tool; determine necessary action.	C8.01
C339*	Check for module communication (CAN/BUS) errors using a scan tool.	C8.01
C340	Diagnose the cause of false, intermittent, or no operation of anti-theft system.	E12.06
C341	Identify and interpret heating and air conditioning concern; determine necessary action.	E14.01
C342	Research applicable vehicle and service information, such as heating and air conditioning system operation, vehicle service history, service precautions, and technical service bulletins.	A2.02
C343	Locate and interpret vehicle and major heating and air conditioning system component identification numbers (VIN, vehicle certification labels, calibration decals).	A2.02
C344	Performance test A/C system; diagnose A/C system malfunctions using principles of refrigeration.	E14.02
C345	Diagnose abnormal operating noises in the A/C system; determine necessary action.	E14.02
C346*	Identify refrigerant type; conduct a performance test of the A/C system; determine necessary action.	E14.02
C347	Leak test A/C system; determine necessary action.	E14.02
C348	Inspect the condition of discharged oil; determine necessary action.	E14.02
C349	Determine recommended oil for heating and air conditioning system application.	E14.02
C350	Diagnose A/C system conditions that cause the protection devices (pressure, thermal, and PCM) to interrupt system operation; determine necessary action.	E14.02
C351*	Inspect and replace A/C compressor drive belts; determine necessary action.	E15.02
C352	Inspect, test, and/or replace A/C compressor clutch components and/or assembly.	E15.02
C353*	Remove, inspect and reinstall A/C compressor and mountings; determine (measure) oil quantity (determine necessary action).	E15.02
C354	Determine need for an additional A/C system filter; perform necessary action.	E15.02
C355	Remove and inspect A/C system mufflers, hoses, lines, fittings, O-rings, seals, and service valves; perform necessary action.	E15.02
C356	Inspect A/C condenser for airflow restrictions; perform necessary action.	E15.02
C357*	Remove, inspect and reinstall heating and air conditioning system receiver/drier or accumulator/drier, determine (measure) oil quantity (determine necessary action).	E15.02
C358	Remove and install heating and air conditioning system expansion valve or orifice (expansion) tube.	E15.02
C359	Inspect heating and air conditioning system evaporator housing water drain; perform necessary action.	E15.02

CDX Tasksheet Number	TASKSHEET	Red Seal Canada 2005
C360*	Remove, inspect and reinstall heating and air conditioning system evaporator; determine required (measure) oil quantity (determine necessary action).	E15.02
C361*	Remove, inspect and reinstall heating and air conditioning system condenser; determine required (measure) oil quantity (determine necessary action).	E15.02
C362	Diagnose temperature control problems in the heater/ventilation system; determine necessary action.	E14.02
C363	Perform cooling system, cap, and recovery system tests (pressure, combustion leakage, and temperature); determine necessary action.	B5.01
C364	Inspect engine cooling and heater system hoses and belts; perform necessary action.	B5.01
C365*	Inspect, test, and replace thermostat and gasket (housing).	B5.01
C366	Determine coolant condition and coolant type for vehicle application; drain and recover coolant.	B5.01
C367	Flush system; refill system with recommended coolant; bleed system.	B5.01
C368	Inspect and test cooling fan, fan clutch, fan shroud, and air dams; perform necessary action.	B5.01
C369	Inspect and test electric cooling fan, fan control system and circuits; determine necessary action.	B5.01
C370	Inspect and test heater control valve(s); perform necessary action.	B5.01
C371*	Remove, inspect and reinstall heater core.	B5.01
C372	Diagnose malfunctions in the electrical controls of heating, ventilation, and A/C (HVAC) systems; determine necessary action.	E15.01
C373	Inspect and test A/C-heater blower, motors, resistors, switches, relays, wiring, and protection devices; perform necessary action.	E15.01
C374	Test and diagnose A/C compressor clutch control systems; determine necessary action.	E15.01
C375*	Diagnose malfunctions in the vacuum, mechanical components and electrical controls of the heating, ventilation, and A/C (HVAC) system; determine necessary action.	E15.01
C376	Inspect and test A/C-heater control panel assembly; determine necessary action.	E15.01
C377*	Inspect and test A/C-heater control cables, motors and linkages; perform necessary action.	E15.01
C378	Inspect A/C-heater ducts, doors, hoses, cabin filters and outlets; perform necessary action.	E15.01
C379	Check operation of automatic and semi-automatic heating, ventilation, and air-conditioning (HVAC) control systems; determine necessary action.	E15.01
C380	Perform correct use and maintenance of refrigerant handling equipment.	E15.01
C381	Identify (by label application or use of a refrigerant identifier) and recover A/C system refrigerant.	E15.01
C382	Recycle refrigerant.	E15.01
C383	Label and store refrigerant.	E15.01
C384	Test recycled refrigerant for non-condensable gases.	E15.01
C385	Evacuate and charge A/C system.	E15.01
C387	Research applicable vehicle and service information, such as engine management system operation, vehicle service history, service precautions, and technical service bulletins.	A2.02
C388	Locate and interpret vehicle and major engine management system component identification numbers (VIN, vehicle certification labels, and calibration decals).	A2.02

CDX Tasksheet Number	TASKSHEET	Red Seal Canada 2005
C389	Inspect engine assembly for fuel, oil, coolant, and other leaks; determine necessary action.	B4.01
C390	Diagnose abnormal engine noise or vibration concerns; determine necessary action.	B4.01
C391	Diagnose abnormal exhaust color, odor, and sound; determine necessary action.	B6.03
C392	Perform engine absolute (vacuum/boost) manifold pressure tests; determine necessary action.	B6.03
C393	Perform cylinder power balance test; determine necessary action.	B5.03
C394*	Perform cylinder cranking compression tests; determine necessary action.	B5.03
C395	Perform cylinder leakage test; determine necessary action.	B5.03
C396	Diagnose engine mechanical, electrical, electronic, fuel, and ignition concerns with an oscilloscope and/or engine diagnostic equipment; determine necessary action.	B6.All
C397	Prepare 4 or 5 gas analyzer; inspect and prepare vehicle for test, and obtain exhaust readings; interpret readings, and determine necessary action.	B6.04
C398	Verify engine operating temperature; determine necessary action.	B4.All
C399	Perform cooling system pressure tests; check coolant condition; inspect and test radiator, pressure cap, coolant recovery tank, and hoses; perform necessary action.	B4.01
C400	Verify correct camshaft timing.	B4.03
C401	Retrieve and record stored OBD I diagnostic trouble codes; clear codes.	C8.03
C402*	Retrieve and record stored OBD II diagnostic trouble codes; clear codes when applicable.	C8.03
C403	Diagnose the causes of emissions or drivability concerns resulting from malfunctions in the computerized engine control system with stored diagnostic trouble codes.	C8.03
C404	Diagnose emissions or drivability concerns resulting from malfunctions in the computerized engine control system with no stored diagnostic trouble codes; determine necessary action.	C8.03
C405	Check for vehicle system module communication (including CAN/BUS systems) errors using a scan tool.	C8.03
C406	Inspect and test computerized engine control system sensors, powertrain control module (PCM), actuators, and circuits using a graphing multimeter (GMM)/digital storage oscilloscope (DSO); perform necessary action.	C8.03
C407	Obtain and interpret scan tool data.	C8.01
C408	Access and use service information to perform step-by-step diagnosis on engine systems.	C8.03
C409	Diagnose drivability and emissions problems resulting from malfunctions of interrelated systems (cruise control, security alarms, suspension controls, traction controls, A/C, automatic transmissions, non-OEM-installed accessories, or similar systems); determine necessary action.	C8.All
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.	B6.All
C411	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 distributor ignition (DI) systems; determine necessary action.	B6.02
C412	Inspect and test ignition primary circuit wiring and solid state components; perform necessary action.	B6.02
C413	Inspect, test and service ignition system distributor.	B6.02

CDX Tasksheet Number	TASKSHEET	Red Seal Canada 2005
C414	Inspect and test ignition system secondary circuit wiring and components; perform necessary action.	B6.02
C415	Inspect and test ignition coil(s); perform necessary action.	B6.02
C416	Check and adjust ignition system timing and timing advance/retard (where applicable).	B7.02
C417	Inspect and test ignition system pick-up sensor or triggering devices; perform necessary action.	B7.02
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.	B6.01
C419	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 injection-type fuel systems; determine necessary action.	B6.01
C420	Check fuel for contaminants and quality; determine necessary action.	B6.01
C421*	Inspect and test (mechanical and electrical) fuel pumps and pump control systems for pressure, regulation and volume; perform necessary action.	B7.01
C422	Replace fuel filters.	B7.01
C423	Inspect and test cold enrichment system and components; perform necessary action.	B7.01
C424	Inspect throttle body, air induction system, intake manifold and gaskets for vacuum leaks and/or unmetered air.	B7.03
C425	Inspect and test gasoline/petrol fuel injectors.	B7.01
C426	Check idle speed and gasoline/petrol fuel mixture.	B7.01
C427	Adjust idle speed and gasoline/petrol fuel mixture.	B7.01
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.	B7.03
C429	Perform exhaust system back-pressure test; determine necessary action.	B7.03
C430	Test the operation of turbocharger/supercharger systems; determine necessary action.	B7.03
C431	Diagnose engine oil leaks, emissions, and drivability problems resulting from malfunctions in the positive crankcase ventilation (PCV) system; determine necessary action.	B5.02
C432	Inspect, test and service positive crankcase ventilation (PCV) filter/breather cap, valve, tubes, orifices, and hoses; perform necessary action.	B5.02
C433	Diagnose emissions and drivability problems caused by malfunctions in the exhaust gas recirculation (EGR) system; determine necessary action.	B6.03
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.	B7.03
C435	Inspect and test electrical/electronic sensors, controls, and wiring of exhaust gas recirculation (EGR) systems; perform necessary action.	C9.02
C436	Diagnose emissions and drivability problems resulting from malfunctions in the secondary air injection and catalytic converter systems; determine necessary action.	B6.03
C437	Inspect and test mechanical components of secondary air injection systems; perform necessary action.	B7.03
C438	Inspect and test electrical/electronically-operated components and circuits of air injection systems; perform necessary action.	C9.02

CDX Tasksheet Number	TASKSHEET	Red Seal Canada 2005
C439	Inspect and test catalytic converter performance.	B7.03
C440	Diagnose emissions and drivability problems resulting from malfunctions in the intake air temperature control system; determine necessary action.	B7.03
C441	Inspect and test components of intake air temperature control system; perform necessary action.	B7.03
C442	Diagnose emissions and drivability problems resulting from malfunctions in the early fuel evaporation control system; determine necessary action.	B7.04
C443	Inspect and test components of early fuel evaporation control system; perform necessary action.	B7.04
C444	Diagnose emissions and drivability problems resulting from malfunctions in the evaporative emissions control system; determine necessary action.	B7.04
C445	Inspect and test components and hoses of evaporative emissions control system; perform necessary action.	B7.04
C446	Interpret evaporative emission related diagnostic trouble codes (DTCs); determine necessary action.	C8.03
C447	Adjust valves on engines with mechanical or hydraulic lifters.	B5.03
C448	Remove and replace timing belt; verify correct camshaft timing.	B5.03
C449*	Remove and replace thermostat and gasket.	B5.01
C450	Inspect and test mechanical/electrical fans, fan clutch, fan shroud/ducting, air dams, and fan control devices; perform necessary action.	B5.01
C451	Identify general shop rules and procedures.	A1.01
C452	Utilize safe procedures for handling tools and equipment.	A1.01
C453	Identify and use proper placement of floor jacks and jack stands.	A1.04
C454	Identify and use proper procedures for safe lift operation.	A1.04
C455	Utilize proper ventilation procedures for working within the lab/shop area.	A2.03
C456	Identify marked safety areas.	A1.06
C457	Identify the location and use of fire blankets.	A1.06
C458	Identify the types and location of fire extinguishers; demonstrate an knowledge of the procedures for using fire extinguishers.	A1.06
C459	Identify the location and use of eye wash stations.	A2.03
C460	Identify the location of posted evacuation routes.	A2.03
C461	Comply with the safe use of safety glasses, gloves, shoes, during lab/shop activities.	A1.06
C462	Identify and wear appropriate clothing for lab/shop activities.	A1.06
C463	Comply with appropriate hairstyles for lab/shop activities.	A1.06
C464	Demonstrate knowledge of safety aspects of supplemental restraint systems (SRS) and antilock braking systems (ABS).	F17.01
C465	Locate and demonstrate knowledge of material safety data sheets (MSDS).	A2.03
C466	Identify tools and their usage in automotive applications.	A1.01/02/03
C467	Identify standard and metric designation.	A1.03
C468	Demonstrate safe handling and use of appropriate tools.	A1.01/02/02
C469	Demonstrate proper cleaning, storage, and maintenance of tools and equipment.	A1.01/02/02
C470	Identify sources of service information, Locate and use paper and electronic manuals, Locate and use Technical Service Bulletins.	A2.02
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.	A2.02

CDX Tasksheet Number	TASKSHEET	Red Seal Canada 2005
C472	Identify information needed and the service requested on a repair order.	A2.02
C475	Review vehicle service history.	A2.02
C477	Check and adjust engine oil level.	B4.02
C478	Check and adjust engine coolant level.	B4.01
C479	Check and adjust power steering fluid level.	F17.01
C480	Check and adjust brake fluid level.	F17.03
C481	Check and adjust windshield washer fluid level.	E13.03
C482	Check and replace wiper blades.	E13.03
C483	Check and adjust differential/transfer case fluid level.	D11.02
C484	Check and adjust transmission fluid level.	D11.02
C485	Inspect, replace, and adjust drive belts, tensioners, and pulleys; check pulley and belt alignment.	B5.03
C486	Inspect and replace air filter.	B7.03
C489	Diagnose fluid usage, level and condition concerns; determine necessary action.	D10.02
C490	Drain and fill transmission/final drive unit.	D11.06
C491	Inspect constant-velocity (CV) joint boots.	D11.01
C492	Remove and replace rear wheel drive shaft.	D11.01
C493	Identify and visually inspect A/C system components.	E14.01
C494	Locate refrigerant label and identify specified refrigerant type. (eg: R-12 R-134a)	E14.02
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.	E14.01
C496	Correctly process payment transactions.	A2.04
C497	Carry out a full braking system test using a dynamic roller brake tester.	F16.03
C498	Inspect and test a diesel (CI) fuel injector.	B7.01
C499	Remove and refit rotary diesel (CI) fuel injector pump.	B7.01
C500	Bench test a rotary diesel (CI) fuel injector pump.	B7.01
C503	Replace diesel (CI) engine fuel filter.	B7.01
C504	Demonstrate understanding of the correct methods of storage and disposal of lubricants, cleaning agents, & contaminants.	A2.03
C513	Identify and agree customer vehicle needs.	A2.01
C514	Diagnose and rectify vehicle engine system and component faults.	Block B
C515	Diagnose and rectify vehicle chassis system faults.	Block F
C516	Diagnose and rectify vehicle transmission and driveline system faults.	Block D
C517	Diagnose and rectify engine electrical faults.	Block B + E
C518	Diagnose and rectify transmission and chassis electrical faults.	Block D + E
C519	Diagnose and rectify auxiliary equipment electrical faults.	Block E
C520	Obtain and interpret engine performance data with a scan tool.	All Blocks
C522	Use an Oxy-acetylene welding plant.	A1.05
C524	Select test equipment and test an automotive electrical circuit.	E12.02
C525	Identify functions of automotive lighting systems, rectify lighting faults and adjust vehicle lamps.	E13.03
C526	Identify an automotive wiring diagram and translate information to a motor vehicle circuit.	E12.02

CDX Tasksheet Number	TASKSHEET	Red Seal Canada 2005
C527	Carry out automotive wiring repairs and test circuits for serviceability.	E13.02
C528	Demonstrate knowledge of a diesel fuel system.	B6.01
C529	Bleed air from a diesel fuel system.	B7.01
C530	Remove, repair, and/or replace and or machine exhaust system.	B7.03
C533	Store and use hazardous materials in the motor and related industries.	A2.03
C540	Complete work order to include customer information, vehicle identifying information, customer concern, related service history, cause, and correction.(Engine Repair)	A2.02
C541	Install engine covers using gaskets, seals and sealers as required.	B5.03
C542	Perform common fastener and thread repair to include, remove broken bolt, restore internal and external threads, and repair internal threads with thread insert.	B5.03
C543	Assemble engine block assembly.	B5.03
C544	Complete work order to include customer information, vehicle identifying information, customer concern, related service history, cause, and correction.(Automatic transmission/transaxle)	A2.02
C545	Diagnose pressure concerns in the transmission using hydraulic principles (Pascal's Law).	F16.03
C546	Diagnose electrical/electronic concerns using principals of electricity (Ohm's Law).	E12.02
C547	Inspect, leak test, and flush cooler, lines, and fittings.	D11.03
C548	Complete work order to include customer information, vehicle identifying information, customer concern, related service history, cause, and correction.(Manual Drive and axles)	A2.02
C549	Complete work order to include customer information, vehicle identifying information, customer concern, related service history, cause, and correction.(Suspension and Steering Systems Diagnosis)	A2.02
C552	Repair tire using internal patch.	F17.04
C553	Inspect, diagnose, and calibrate tire pressure monitoring system.	E12.06
C554	Complete work order to include customer information, vehicle identifying information, customer concern, related service history, cause, and correction.(Brakes)	A2.02
C555	Refinish rotor off vehicle.	F17.03
C556	Measure and adjust master cylinder pushrod length.	F17.03
C557	Complete work order to include customer information, vehicle identifying information, customer concern, related service history, cause, and correction.(Electrical and Electronics)	A2.02
C558	Remove and replace terminal end from connector	E13.02
C565	Complete work order to include customer information, vehicle identifying information, customer concern, related service history, cause, and correction.(HVAC)	A2.02
C566	Using scan tool, observe and record related HVAC data and trouble codes.	E15.02
C568	Perform cooling system pressure tests; check coolant condition, inspect and test radiator, pressure cap, coolant recovery tank, and hoses; perform necessary action.	A5.01
C569	Complete work order to include customer information, vehicle identifying information, customer concern, related service history, cause, and correction.(Engine Performance)	A2.02
C570	Perform engine running compression test; determine necessary action.	B4.03
C571	Perform active tests of actuators using scan tool; determine necessary action.	B4.03
C572	Perform common fastener and thread repair to include, remove broken bolt, restore internal and external threads, and repair internal threads with thread insert.	B5.03

CDX Tasksheet Number	TASKSHEET	Red Seal Canada 2005
C573	Perform oil and filter changes.	B5.03
C574	Demonstrate proficiency in using oxy-acetylene torch to heat and cut metal.	A1.05
C576	Visually inspect cylinder head(s) for cracks; check gasket surface areas for warpage and leakage; check passage condition.	B5.03
C577	Remove and reinstall cylinder heads and gaskets; tighten according to manufacturer's specifications and procedures.	B5.03
C578	Perform cooling system pressure tests; check coolant condition; inspect and test radiator, pressure cap, coolant recovery tank, and hoses; determine necessary action.	B5.01
C579	Dismount, inspect, and remount tire on wheel equipped with tire pressure sensor.	F17.04
C580	Inspect tire and wheel assembly for air loss; perform necessary action.	F17.04
C581	Inspect and test hydraulically assisted power brake system for leaks and proper operation; determine necessary action.	F16.03
C582	Repair connectors and terminal ends.	E13.02
C583	Refinish disc brake rotor on vehicle	F16.03
C584	Diagnose incorrect heated glass, mirror or seat operation; determine necessary action.	G18.06
C585	Identify refrigerant type; select and connect proper gauge set, record pressure readings; determine necessary action.	E14.02
C587	Perform battery capacity test(or conductance test) ; confirm proper battery capacity for vehicle application; determine necessary action.	E12.01