Student's Name/Initial:	/	Date:	Teacher's Initials:	Date:

AUTOMOTIVE TECHNOLOGY 3 STUDENT PROFILE

COURSE CODE: 6032

Directions: Evaluate the student using the applicable rating scales below and check the appropriate box to indicate the degree of competency. The ratings 3, 2, 1, and N are not intended to represent the traditional school grading system of A, B, C, and D. The description associated with each of the ratings focuses on the level of student performance or cognition for each of the competencies listed below.

PERFORMANCE RATING

- 3 Skilled--can perform task independently with no supervision
- 2 Moderately skilled--can perform task completely with limited supervision
- 1 Limitedly skilled--requires instruction and close supervision
- N No exposure--has no experience or knowledge of this task

COGNITIVE RATING

- 3 Knowledgeable--can apply the concept to solve problems
- 2 Moderately knowledgeable--understands the concept
- 1 Limitedly knowledgeable--requires additional instruction
- N No exposure--has not received instruction in this area

A. ENGINE REP	AIR	C. MANUAL DR	RIVE TRAIN AND AXLES	4.	Dismount, inspect, and remount tire
3 2 1 N		3 2 1 N			on wheel; balance wheel and tire assembly (static and dynamic).
1.	Install engine covers using gaskets, seals, and sealers as required.	1.	Inspect, adjust, and replace transmission/transaxle external	6.	Repair tire using internal patch.
2.	Perform common fastener and thread repair, to include the following: remove broken bolt,		shifter assembly, shift linkages, brackets, bushings/grommets, pivots, and levers.	7.	Identify and test tire pressure monitoring systems (indirect and direct) for operation; verify
	restore internal and external	2.	Inspect and replace external seals.		operation of instrument panel lamps.
	threads, and repair internal threads with thread insert.	3.	Inspect, service, and replace drive shaft center support bearings.	8.	Demonstrate knowledge of steps
3.	Remove, inspect, and replace thermostat and gasket/seal.	4.	Inspect, adjust, and repair transfer case manual shifting mechanisms,		required to remove and replace sensors in a tire pressure monitoring system.
B ALITOMATIC	TRANSMISSION AND		bushings, mounts, levers, and	E. BRAKES	
TRANSAXLE	TRANSIVIISSION AND		brackets.	3 2 1 N	
3 2 1 N		D. SUSPENSION 3 2 1 N	N AND STEERING	1.	Describe procedure for performing a road test to check brake system
1.	1. Inspect, adjust, and replace external manual valve shift linkage, transmission range sensor/switch,	1.	Inspect and replace power steering hoses and fittings.		operation, including an anti-lock brake system (ABS).
and park/neutral position switch.	2.	Inspect, remove, and replace shock absorbers; inspect mounts and	2.	Check master cylinder for external leaks and proper operation.	
			bushings.	3.	Bleed and/or flush brake system.
		3.	Describe the function of the power steering pressure switch.	4.	Remove, clean, inspect, and measure brake drum diameter; determine necessary action.

5.	Refinish brake drum and measure final drum diameter; compare with	17.	Retract and readjust caliper piston on an integral parking brake system.
6.	specifications. Remove, clean, and inspect brake shoes, springs, pins, clips, levers, adjusters/self-adjusters, other related brake hardware, and backing	18.	Describe importance of operating vehicle to burnish/break-in replacement brake pads according to manufacturer's recommendations.
7.	support plates; lubricate and reassemble. Inspect wheel cylinders for leaks and	19.	Remove, clean, inspect, repack, and install wheel bearings; replace seals; install hub and adjust bearings.
	proper operation; remove and replace as needed.	20.	Inspect the vacuum-type power booster unit for operation and
8.	Pre-adjust brake shoes and parking brake; install brake drums or		vacuum leaks; inspect the check valve for proper operation.
	drum/hub assemblies and wheel bearings; make final checks and adjustments.	21.	Identify operation of electric- hydraulic assist system; check system for leaks and operation.
9.	Remove and clean caliper assembly; inspect for leaks and damage/wear to caliper housing; determine necessary action.	22.	Identify operation of hydro-boost assist system; check system for leaks and operation.
10.	Clean and inspect caliper mounting and slides/pins for proper operation,	23.	Remove, bench bleed, and reinstall master cylinder.
	wear, and damage; determine necessary action.	24.	Measure and adjust master cylinder pushrod length.
11.	Remove, inspect, and replace pads and retaining hardware; determine necessary action.	F. ELECTRICAL 3 2 1 N 1.	Perform solder repair of electrical
12.	Lubricate and reinstall caliper, pads,	— — — - · ·	wiring.
	and related hardware; seat pads and inspect for leaks.	2.	Replace electrical connectors and terminal ends.
13.	Clean and inspect rotor; measure rotor thickness, thickness variation, and lateral runout; determine	3.	Remove and install starter in a vehicle.
	necessary action.	4.	Inspect and test switches,
14.	Remove and reinstall rotor.		connectors, and wires of starter control circuits; determine necessary
15.	Refinish rotor on vehicle; measure final rotor thickness and compare with specifications.	5.	action. Remove and reinstall door panel.
16.	Refinish rotor off vehicle; measure final rotor thickness and compare with specifications.	6.	Verify horn operation; determine needed repairs.

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3	2	1	N	
_			1.	Inspect engine cooling and heater systems hoses; perform necessary action.

H. ENGINE PERFORMANCE

	O
3 2 1 N	
1.	Remove and replace spark plugs; inspect secondary ignition components for wear and damage.
2.	Inspect condition of exhaust system hangers, brackets, clamps, and heat shields; repair or replace as needed.