LAB – Disc Brake Job

Students:	1	Date:
	2	Block:
	3.	

Fill in each box with the appropriate information.

Be sure to have the Instructor's initials before moving on to the next step. These are there to ensure everything is SAFE and CORRECT. Each team member must be able to answer questions from your instructor to receive credit for this lab.

VEHICLE ID	ENTIFICATION				
Year:			Make:		
Model:			Mileage:		
VIN Numbe	er:				
Minimum B	Brake Rotor Thickr	ness:			
BEFORE YOU	U BEGIN				
SAFETY	 Brake d NEVER not bec Brakes New PA and DR Assemb Calipers move F 	ust may contain ASBEST leaves your body. Make come airborne. are done PER AXLE. NDS and new SHOES shou UMS (respectively) oly must be WHITE-GLOV s should be SERVICED or REELY	OS: a very fine, canc extra effort to ensu uld go on new or free YE CLEAN (no fingerp REPLACED if PISTON	erous particle t re the brake du shly machined F prints, even!) IS or SLIDERS do	hat Ist does ROTORS D not
	A BRAKI YOU	E JOB MUST B ARE RESPONS	E DONE 100 IBLE FOR TH	9% CORRI IEIR SAFE	ECTLY ETY
Jack Stands	The InstRaise an	ructor MUST see your wor d support the vehicle prop	k BEFORE THE WHEEL perly – see you instruc	S ARE REPLACED tor if you are uns	sure
I do I I 2-Post	IMPROPE C	R USE OF THE HOIS ORRECT SETUP IS C AND THE SA	T or JACK STAN	DS CAN BE F JR SAFETY 5!	ATAL!
e de la constante de la consta	<u>Jack Stands:</u> <u>Two-Post Hoists</u> <u>Drive-On Hoists</u> :	GEI YOUR IN Raise the vehicle with jac Position arms, raise car s In Gear/Park, E-Brake on	ck in correct place, use lightly, check stability wheel chocks; raise,	c jack stands in co , continue raising , then lock rails.	orrect place g, lock it.
STOP!!!		INSTRUC	TOR'S INITI	ALS:	

INITIAL ASSESS	MENT
2 Get (let ti	a length of welding wire or a coat hangar to HANG the caliper off the chassis – NEVER he caliper hang by the brake line
[Remove Wheels
	Is the caliper FIXED or FLOATING?
	On FLOATING CALIPERS - grab the caliper, still on the vehicle, and see if you can wiggle it – watch the sliders for motion. Does it move (ie: are the sliders free?)
	How is the caliper attached to the caliper bracket?
	 CHECK that the bleeder screws can be cracked loose. BE GENTLE – there are tricks to un-sticking them, <u>but it's harder if you round the hex or shear them off.</u> How much FRICTION MATERIAL is left on the pads? (Mr. Wellwood's Speed Tip: friction material that is as thick as the backing plate is done – they need replacing)
	 Remove brake caliper and hang by a wire (usually off the suspension or something) Remove the BRAKE CALIPER BRACKET if required to remove the rotor How is the BRAKE ROTOR attached? (slips onto hub, one-piece with the hub, bolts onto the back side of the hub, or?
STOPIII	Remove the brake rotor for SERVICE or REPLACEMENT





5	LOADING THE CALIPER:
	Disassemble the CALIPER SLIDERS, clean and lubricate
	with Never-Seize, and reassemble.
	Most pads today come with STICK-ON SHIMS to reduce
	brake noise. If yours do not come with them, smear a
	thin coat of Disc Brake Quiet on the backside, and place
	the new pads into the caliper (or bracket, depending)
	Spray BraKleen on the new pads, and install BRAKE CALIPER, torquing fasteners to spec
	SLOWLY depress the brake pedal to extend the pistons and press the pads against the rotor
	Check that the rotor still spins once the brakes are released (this confirms that the piston is not stuck).
	□ Check the level of Brake Fluid in the Master Cylinder, and top up as required.
	 Consider bleeding the brake system with all new Brake Fluid (should be done every year)
STOP!!!	INSTRUCTOR'S INITIALS:
CONFIRMAT	ION
CONFIRMAT 6	Test the vehicle's brakes and ensure they work properly
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