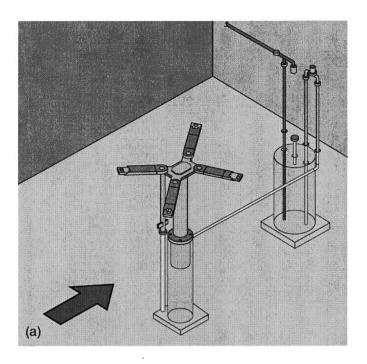
JOB SHEET 7

Using a Vehicle Hoist

Name:			_ Station:	Date:
NATEF Co	rrelation			
This Job Shee	et addresses t	he following NATE	EF task(s):	
N/A				
Performar	nce Objec	tive(s)		
	etion of this J	. ,	be able to use a ve	hicle hoist to raise a vehicle in the air safely
Tools and I	Materials			
Service manu Vehicle Hoist	ıal			
Protective	Clothing/E	quipment		
Goggles or sa	fety glasses v	vith side shields		
Describe the	e vehicle be	ing worked on:		
Year	Make	Model	VIN	Engine type and size
PROCEDU	RE			
1. Describe	the type of l	hoist(s) that are lo	cated in the shop	you are in.
-				

2. Describe the type of hoist you are going to be using.



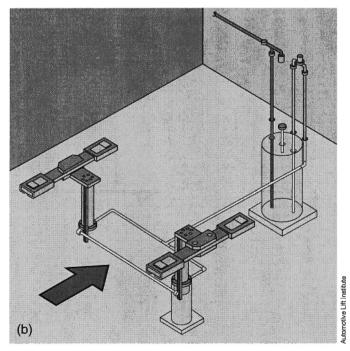


Figure 11.1 (a) Single-post frame-contact lift. (b) Two-post frame-contact lift.

(Continued)

(Concluded)

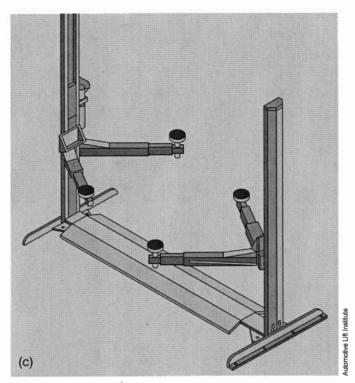


Figure 11.1 (continued) (c) Surface mount framecontact lift.

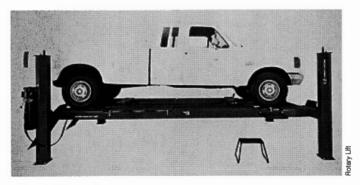


Figure 11.2 Wheel-contact lift.

3. Use the controls of the hoist without a vehicle on it to get used to it.

Task Completed _____

4. Using the service manual, find the lift points of the vehicle you are using. Draw an outline of the frame (or body if using a unibody vehicle) and highlight the lift points.

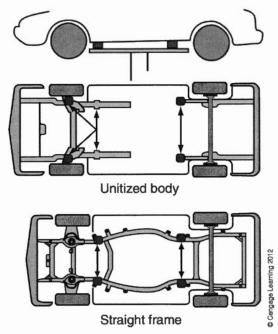


Figure 11.3 Check the service information for the correct lift points for a particular vehicle.

5. Drive the vehicle into position on the hoist.

Note: Shorter wheelbase vehicles will have to be in a different position than longer wheelbase vehicles. Trucks and vehicles that are front heavy will need to be placed on the hoist so that their weight is centered. Always refer to the operator's manual or a lift point chart for proper placement.

Warning: If you are having a friend guide you onto the hoist, make sure that he or she does not stand in front of the vehicle while you are driving into position.

Task Completed _____

6. Align the contact pads of the hoist so they will contact the lift points described earlier.

Note: Some vehicles have plastic ground effects or running boards that may come into contact with the hoist arms. Be sure to check this before you accidentally break them.

Task Completed _____

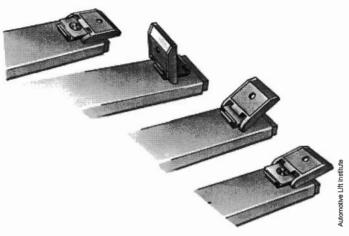


Figure 11.4 Adapters flip up to accommodate different frame heights.

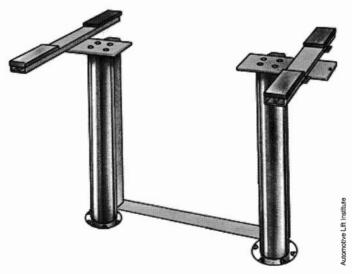


Figure 11.7 A rocker panel (pad) lift.

7. Slowly lift the hoist until all of the tires are about 6 inches off the ground.

Note: The lift points on some vehicles may be at different heights. You may need to accommodate for this by changing the contact pad configuration.

Task Completed _____

8. Gently shake the car by pushing on the bumper. Listen and watch the contact pads. The vehicle should not rock or make noises when doing this if the center of gravity is correct.

Task Completed _____

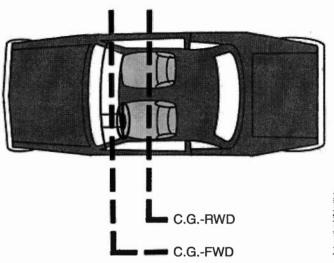


Figure 11.18 Center of gravity (C.G.) positions for front-wheel drive (FWD) and rear-wheel drive (RWD).

9. Continue to raise the vehicle to a comfortable height so that you can walk under it. Rest the vehicle's weight on the hoist locks.

Note: Recheck the pad placement at this time. You will get a better viewpoint.

Task Completed ______

10. Lift the vehicle off the locks, release the locks, and lower the vehicle down.

Task Completed ______

11. Once on the ground, move the arms out of the way and drive the vehicle out.

Task Completed ______

12. Given the type of hoist you were assigned to use for this exercise, what types of repair jobs would be most efficient using this type of hoist?

Problems Encountered

IN	STI	RUCTOR EVALUATION				
	4	Mastered Task				
	3	Able to Perform Task Independently; Some Additional Training Suggested Able to Perform Task with Close Supervision; Requires Additional Training				
	2					
	1	Unable to Perform Task				
	0	Not Attempted				
Co	omi	ments				
Ins	tru	ctor Name: Date:				
Instructor Signature:						