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ABSTRACT

Designed primarily for special needs students in a vocational program in automobile maintenance, this book was written to refine the basic skills of following directions, reading comprehension, vocabulary building, spelling, word usage, and word recognition, while relating these skills to some of the tasks a beginning student in the program must know. Ten lessons are included: (1) A New School, (2) A New Shop, (3) Auto Shop Safety, (4) Cleaning the Interior of a Car, (5) Washing a Car, (6) Polishing and Waxing a Car, (7) Changing the Oil, (8) Changing an Oil Filter, (9) Lubricating the Chassis, and (10) Mounting a Tire. Each lesson lists key words and provides six to seven student exercises. Answers to the lessons are included in a separate Answer Key section. (SH)

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State of New Jersey
Department of Education
Division of Vocational Education

AUTOMOBILE MAINTENANCE READING AND LANGUAGE ACTIVITIES

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U.S. DEPARTMENT OF HEALTH,
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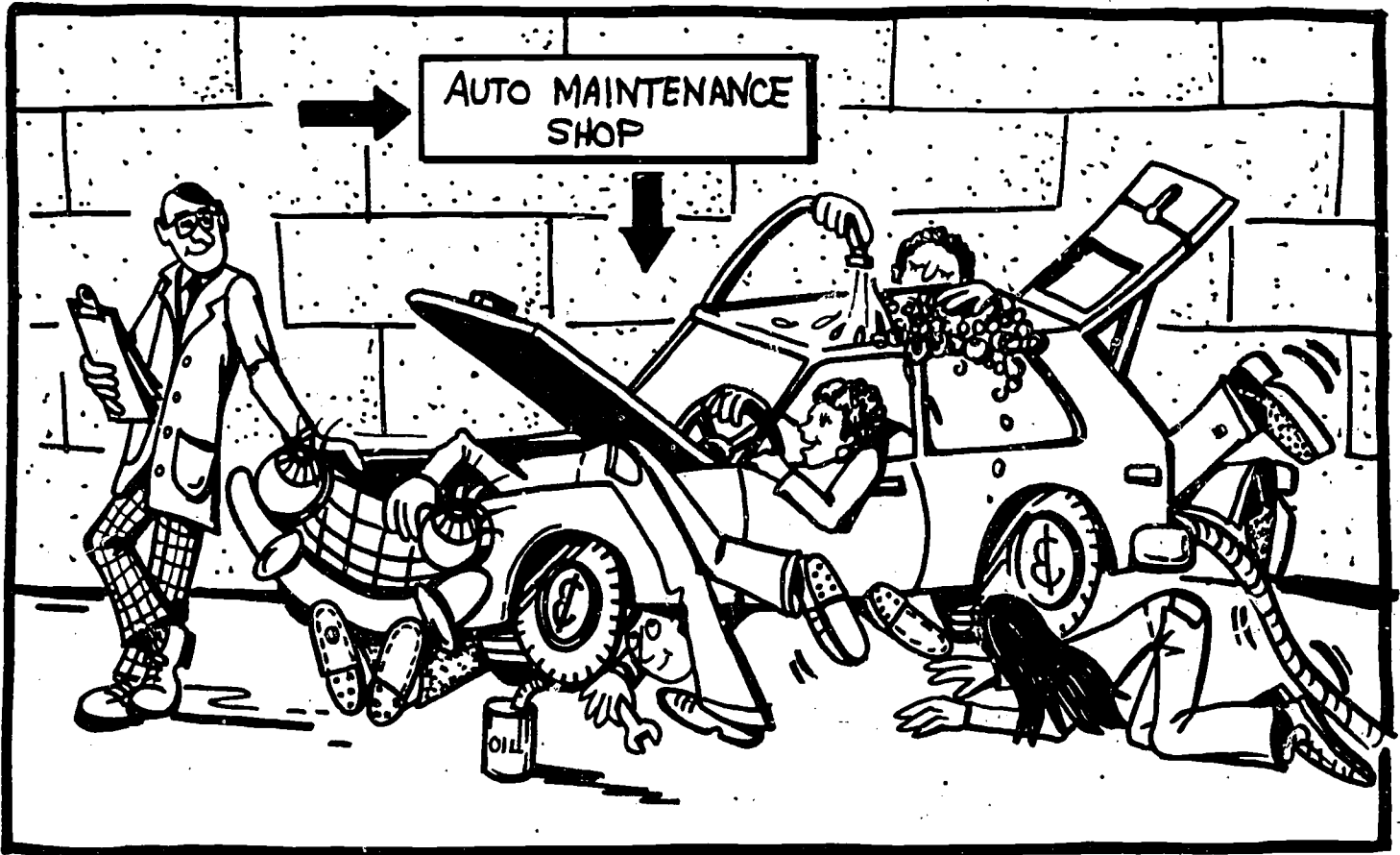
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TO THE TEACHER

This Automobile Maintenance – Reading and Language Activities book has been designed primarily for special needs students in a vocational program in automobile maintenance. For the most part, the lessons do not have to be done sequentially. It is suggested that an appropriate lesson choice should complement and reinforce the actual shop activity on a given day. Consequently, if a student is currently learning how to change oil in a car, the reading lesson relating to that job skill would be the one of choice.

This workbook does not purport to be complete in the sense that all areas of automobile maintenance are covered. It has been written for the purpose of refining the basic skills of following directions, reading comprehension, vocabulary building, spelling, word usage, and word recognition while relating these skills to some of the tasks a beginning student in an automobile maintenance program must know:

A NEW SCHOOL



Key Words:

attended	permanently
automobile maintenance	schedule
nervous	vocational

It was Jerry Miller's first day at the Best County Vocational School. Jerry felt nervous. He sat down with other new students in homeroom 113. Jerry had not been doing very well in school for the past several years. He had failed both English and Math. He had gone to many other schools. None of them really met his needs. B.C.V.S. was the first vocational school he had ever attended. Jerry hoped that this new school would help him more than the others had. Two of his friends from his old school had already spent one year at B.C.V.S. They told Jerry that it was the best school they had ever been to.

Mr. Cooper, the homeroom teacher, began to read the names of the students in the room. Jerry Miller called, "Here!" when he heard his name read. After this Mr. Cooper passed out the schedule cards to the students. All new students would spend one week in each of the school's shops. This would help the students decide which shop was the best for them. After 7 to 8 weeks they would be placed in one of the shops permanently.

Jerry had done some automobile maintenance work at his uncle's service station. He hoped to get automobile maintenance as his permanent shop. Soon the bell rang. The students passed to their first period classes. The students in homeroom 113 left their seats and filed out of the classroom.

I. Getting the Main Idea

Directions: Below are three sentences. One of them tells the main idea of what you just read. Put an X next to that sentence.

1. ___ Jerry Miller wanted to quit school.
2. ___ Jerry Miller attended his first day at the Best County Vocational School.
3. ___ Jerry Miller hoped to do well at B.C.V.S.

II. Getting the Meaning from the Context

Directions: Read each sentence carefully. Pay close attention to the words in dark print. There are three meanings after each sentence. Put an X next to the best meaning for the words in dark print.

1. Jerry Miller was going to a vocational school to learn a trade.
___ (a) having to do with a job
___ (b) having to do with a trip
___ (c) having to do with a holiday
2. He went to several schools before.
___ (a) new
___ (b) more than two
___ (c) old
3. Jerry now attended B.C.V.S.
___ (a) went to
___ (b) hated
___ (c) dropped out
4. Jerry read his schedule card to find out what his first period class was.
___ (a) a listing of telephone numbers.
___ (b) a listing of students' names
___ (c) a listing of classes
5. He hoped to be placed in the shop class permanently.
___ (a) a long time without changing
___ (b) for two weeks.
___ (c) for one month

6. In the automobile maintenance shop, Jerry learned the work of cleaning, servicing, and repairing a car.
- (a) keeping a car safe, clean, and in good running condition
 - (b) building a car
 - (c) stripping a car for parts

III. True or False

Directions: Tell whether the following statements are true or false. Label either T or F.

- 1. Jerry Miller had gone to several other vocational schools before.
- 2. Jerry had done well in the other schools he had attended.
- 3. Jerry felt nervous in his new homeroom.
- 4. The other schools that Jerry attended really seemed to help him a lot.
- 5. Jerry had two friends that liked B.C.V.S.
- 6. Mr. Cooper was Jerry's homeroom teacher.
- 7. Jerry wanted to take food services as his permanent shop.
- 8. The new students would spend two weeks in each shop.
- 9. Jerry had done some automobile maintenance work before coming to B.C.V.S.
- 10. Mr. Cooper passed out schedule cards to his students

IV. Sentences to Complete

Directions: Below are some sentences. Some words have been left out. Fill in each blank with the correct word from the list.

Word List

attended	permanently
automobile maintenance	schedule
homeroom	several
nervous	vocational

- 1. Jerry Miller felt _____ as he took a seat in homeroom 113.
- 2. Jerry Miller had never _____ a vocational school before.
- 3. Jerry had not been doing very well in school for the past _____ years.
- 4. B.C.V.S. was the first _____ school he had ever gone to.

5. Mr. Cooper passed out the _____ cards to the students.
6. Jerry had done some _____ work with his uncle.
7. Jerry hoped that he would be in the automobile maintenance shop _____
8. Jerry Miller was in Mr. Cooper's _____

V. Vocabulary – Spelling

Directions: Review the key words at the beginning of the story. Now look at the words below. They are the key words for the story, but some of the letters are missing. Print the missing letters in the empty spaces.

1. _ c _ v _ _ s
2. vo _ a _ _ _ _ al
3. p _ _ m _ n _ _ _ ly
4. att _ _ _ ed
5. s _ _ v _ _ r _ _ _
6. s _ _ _ c _ _ _ le
7. h _ _ m _ _ r _ _ _ m
8. a _ _ t _ _ m _ _ b _ _ _ e
m _ _ _ _ ten _ _ _ _ _

VI. Word Find Puzzle

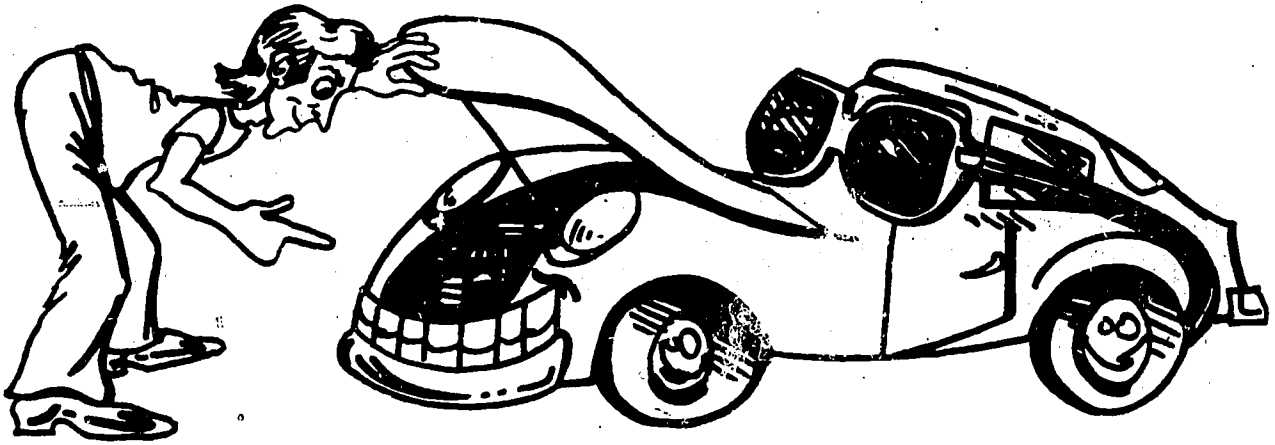
Directions: Find the following words hidden in the puzzle. Draw a circle around each. They may be going across, down, or on a slant. The first word has been found for you.

Words to Find in Puzzle

attended	permanently
automobile maintenance	schedule
homeroom	several
nervous	vocational

O	M	E	S	C	H	E	D	U	L	E	H	S	T	A	V	W	H	X
A	F	F	J	E	Q	V	R	A	C	O	B	L	P	T	E	O	M	C
H	B	I	K	M	V	S	E	U	M	Y	D	N	C	T	M	X	V	T
A	C	C	E	G	I	E	M	E	O	Q	U	P	N	E	L	J	H	F
R	P	V	D	X	Z	B	R	F	A	H	J	H	R	N	G	E	C	A
S	L	E	M	E	O	O	S	A	D	L	M	O	L	D	E	T	R	P
V	T	B	R	Y	O	K	U	F	L	N	O	O	P	E	I	C	Z	X
A	U	T	O	M	O	B	I	L	E	M	A	I	N	D	E	N	A	N
R	C	F	U	S	A	O	S	M	A	I	N	T	E	N	A	N	C	E
G	L	V	U	T	A	N	I	S	T	A	T	H	O	E	L	R	A	R
C	E	M	C	O	I	N	E	G	Y	E	O	O	B	N	R	V	I	V
O	G	Y	P	L	E	A	E	N	N	M	C	N	T	D	I	O	A	O
I	L	R	S	S	T	B	I	N	T	T	E	N	M	E	S	U	L	U
A	I	O	N	S	C	G	A	E	T	L	E	T	I	D	M	S	I	S
V	O	C	A	T	I	O	N	A	L	L	Y	U	T	B	E	R	C	A

A NEW SHOP



Key Words:

attendant	gasoline pump
bays	hydraulic lift
fuel	repairman
garage	tire changer
	trained

Jerry Miller tried all the shops at the Best County Vocational School. He was placed in the Automobile Maintenance shop permanently. His teacher's name was Mr. Ford. Jerry was very happy to be in Mr. Ford's shop class. He had hoped to be trained as a gas station attendant or general car repairman. There were seven other students in Jerry's shop class.

The shop was a real garage. The garage had three bays, one for each car. Each bay had an overhead garage door. It had all the equipment and tools for the students to learn correct auto maintenance. Just outside the shop was a gasoline pump. This was used to practice filling a car with fuel.

Among the first things Jerry noticed were the two hydraulic lifts built into the floor. They were used for raising cars off the floor for easier repairs. Jerry also spotted other pieces of equipment around the shop. One of them was the tire changer. Jerry would learn how to properly use this and all of the other equipment as a student at B.C.V.S.

Mr. Ford, the auto shop teacher, told the students that they would be working on their own cars first. Some of the students in the shop, like Jerry, drove their cars to school. They also would work on the teachers' cars.

Jerry was very excited about his new shop. He couldn't wait to begin working on cars. He wanted to learn as much as he could.

I. Getting the Main Idea

Directions: Below are three sentences. One of them tells the main idea of what you just read. Put an X next to that sentence.

1. ___ Jerry Miller learned how to use some of the tools in the auto shop.
2. ___ Jerry Miller became a permanent automobile maintenance student at B.C.V.S.
3. ___ Jerry Miller showed that he did not like his new permanent shop class.

II. Getting the Meaning from the Context

Directions: Read each sentence carefully. Pay close attention to the word(s) in dark print. After each sentence are three meanings. Put an X next to the best meaning for the word(s) in dark print.

1. Jerry was being trained in automobile maintenance.
___ (a) walked
___ (b) accepted
___ (c) taught skills as in a trade or job
2. Jerry had worked with an attendant at his uncle's gas station.
___ (a) a person who is always on time
___ (b) a worker who fills cars with gasoline and checks the oil and battery
___ (c) a worker who fixes auto engines
3. Jerry once brought his car to a general automobile repairman.
___ (a) a worker who fixes cars
___ (b) a worker who junks cars
___ (c) a worker who parks cars
4. The gasoline pump was used to practice filling a car with fuel.
___ (a) air
___ (b) oil
___ (c) gas

5. The auto shop was a real garage.
___ (a) a place for keeping newspapers
___ (b) a building for repairing cars
___ (c) a place for dumping garbage
6. The garage had three bays, one for each car.
___ (a) spaces for working on cars
___ (b) machines for washing cars
___ (c) machines for painting cars
7. The hydraulic lift was built into the floor of the shop.
___ (a) a machine used to raise people into the air
___ (b) a machine used to raise cars into the air for repair
___ (c) a machine used to wash a car
8. Jerry had watched his uncle use a tire changer at his garage.
___ (a) a machine used to clean a tire
___ (b) a machine used to remove tread from a tire
___ (c) a machine used to take a tire off a rim and replace it with another tire

III. True or False

Directions: Tell whether the following statements are true or false. Label either T or F.

- ___ 1. Jerry Miller was placed in the Automobile Maintenance shop permanently.
- ___ 2. Jerry was not happy to be in Mr. Ford's class.
- ___ 3. Jerry had hoped to be trained as an auto body repairman.
- ___ 4. The auto shop had three bays, one for each car.
- ___ 5. One of the first things that Jerry noticed was the tire changer.
- ___ 6. The hydraulic lifts were used for raising cars off the floors.
- ___ 7. The students would be working on teachers' cars first.
- ___ 8. Jerry Miller was not excited about his new shop.

___ 9. Jerry drove his own car to school.

___ 10. Jerry Miller wanted to learn as little as he could about auto maintenance.

IV. Sentences to Complete

Directions: Below are some sentences. Some words have been left out. Fill in each blank with the correct word from the list.

Word List

attendant
bays
fuel

garage
gasoline pump
hydraulic lift

repairman
tire changer
trained

1. The _____ was used for putting _____ in a car.
2. Jerry Miller knew that the _____ was used to raise cars from the floor.
3. Jerry once worked with a service station _____ pumping gas.
4. A general automobile _____ fixes cars
5. Jerry Miller wanted to be _____ as a gas station attendant or repairman.
6. The auto shop itself was a real _____
7. The auto shop had three _____ one for each car.
8. Snow tires were put on new rims using a _____

V. Vocabulary - Spelling

Directions: Print the missing letters in the following words from the story.

1. f _ _ e _ _
2. att _ _ _ d _ _ _ t
3. b _ _ _ s
4. tr _ _ _ _ ed
5. re _ _ _ _ _ m _ _ _
6. gar _ _ _ _ _
7. g _ _ so _ _ _ _ e p _ _ m _ _
8. h _ _ dr _ _ _ _ ic l _ _ f _ _
9. t _ _ r _ _ ch _ _ _ _ _ er

VI. Word Find Puzzle

Directions: Find the following words hidden in the puzzle. Draw a circle around each. They may be going across, down, or on a slant. The first word has been found for you.

Words to Find in Puzzle

attendant
bays
fuel

garage
gasoline pump
hydraulic lift

repairman
tire changer
trained

A	C	F	U	X	Z	T	B	A	L	F	I	N	T	B	R	P	Y	H	T
D	T	N	R	F	J	U	G	A	R	A	G	E	Y	P	M	F	R	Y	I
P	R	T	L	I	O	A	A	L	E	E	P	U	E	H	C	F	T	D	R
E	A	R	E	R	I	I	S	C	S	O	P	N	E	S	M	T	C	R	E
O	I	A	Y	N	T	N	O	N	H	D	T	A	W	C	A	O	E	A	C
D	N	M	R	H	D	C	L	W	A	I	Z	P	I	L	E	I	U	U	H
C	E	H	E	V	E	A	I	R	O	L	E	Z	B	R	U	Y	C	L	A
M	D	C	Z	E	K	H	N	R	U	S	X	H	L	E	M	N	B	I	N
S	L	P	E	N	D	O	E	T	N	B	U	C	K	I	N	A	G	C	G
I	S	C	Y	O	S	E	P	R	W	R	D	F	R	O	Y	M	N	L	E
N	O	A	L	T	B	D	U	O	I	A	L	I	A	S	M	K	O	I	R
D	R	S	E	C	U	S	M	S	S	B	E	M	P	N	E	Z	A	F	Z
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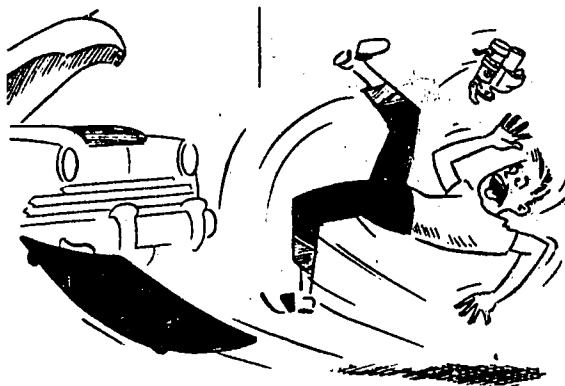
AUTO SHOP SAFETY

Key Words:

absorbent	flammable
carbon monoxide	hazards
caution	injuries
creeper	poisonous
defective	unexpectedly
emergency switch	procedures

Mr. Ford explained safety rules and procedures to Jerry and the other shop students. He said that falls happen in an auto shop. To prevent these accidents, tools have to be kept off the floor.

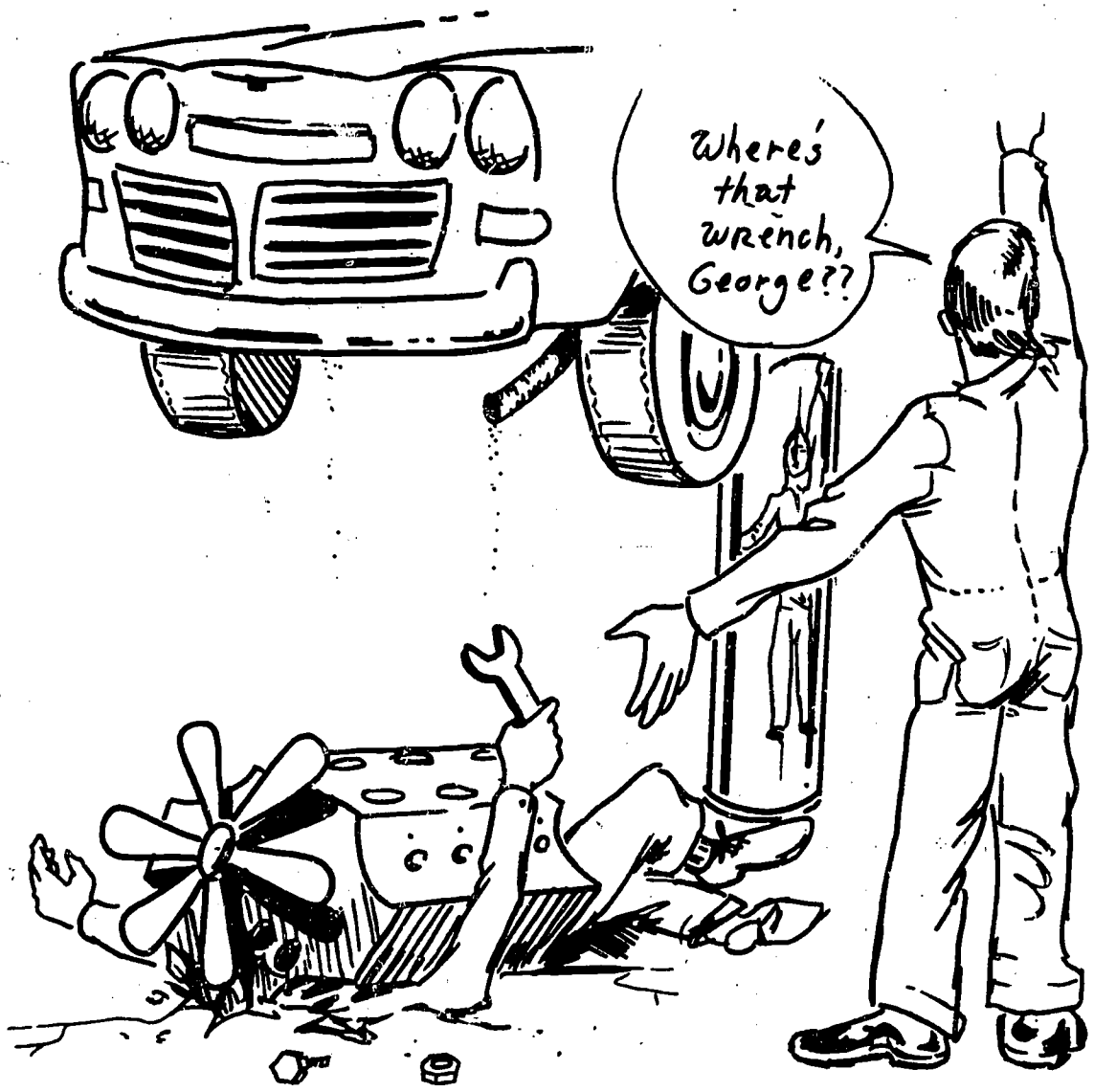
He showed the students a creeper. It is a low cart on wheels used for crawling under cars. It could cause accidents. Never leave the creeper half way under a car. It has to be off the floor completely or be pushed all the way under the car. Look out! A creeper in the wrong place can unexpectedly cause a bad fall.



He's off into the "wild blue yonder"!

Jack handles can be dangerous, too. You can trip over a jack handle in its low position. Keep the jack handle in its high position for your safety.

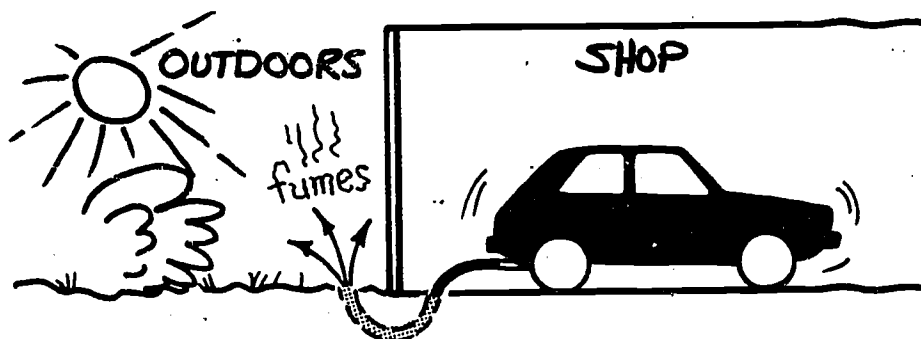
There are other causes for falls in the shop. Spilled oil is slippery, so oil puddles have to be wiped up immediately. Large puddles have to be covered with an absorbent material.





Mr. Ford explained that flammable materials were used in the shop. Caution has to be used when working with them. Gasoline, oil, and other materials are examples of flammable materials. They can burn easily when they are not used properly.

Another important safety procedure that Mr. Ford explained had to do with a car's running engine in the shop. A hose has to be connected from the car's tailpipe to a hole in the floor. This hole leads outdoors. This procedure stops the poisonous gases like carbon monoxide from being breathed in by the students.



All emergency switches for the power equipment are important. In case of an accident, there is one main switch on the wall. This switch cuts off all power immediately.

Mr. Ford ended his shop safety talk with three very important rules:

1. Check hazards before starting a job.
2. Report defective tools and equipment.
3. Report all injuries.

I. Getting the Main Idea

Directions: Below are three sentences. One of them tells the main idea of what you just read. Put an X next to that sentence.

1. ___ Jerry Miller learned how to change a flat tire.
2. ___ Jerry Miller and the other students learned how to cause accidents.
3. ___ Auto shop safety rules and procedures were given by Mr. Ford.

II. Getting the Meaning from the Context

Directions: Read each sentence carefully. Pay close attention to the words in dark print. There are three meanings after each sentence. Put an X next to the best meaning for the words in dark print.

1. The safety procedure of wiping up spilled oil was explained.
___ (a) a machine for adding oil to a car
___ (b) a certain way of doing something
___ (c) a piece of equipment that protects oil from spreading
2. You use a creeper to get under the car.
___ (a) a device on wheels used to crawl under a car
___ (b) a device used for lifting a car off the floor
___ (c) a device used for lowering a car after it is raised
3. A student can unexpectedly step on a creeper and break his leg.
___ (a) happily
___ (b) usually
___ (c) suddenly
4. The poisonous gas from the car can cause death.
___ (a) having a bad smell
___ (b) dangerous and deadly
___ (c) strange

5. The slippery oil on the floor has to be wiped up for safety.
___ (a) very smooth and likely to cause a fall
___ (b) very loud and noisy
___ (c) dark and dirty
6. Jerry Miller uses an absorbent cloth to pick up the oil from the floor.
___ (a) able to spread a liquid
___ (b) able to take in or suck up a liquid
___ (c) able to mix a liquid
7. The students use caution in using power equipment.
___ (a) care
___ (b) strength
___ (c) a device for adding more electricity to a power tool
8. Flammable materials like gasoline and oil can be hazards in the auto shop.
___ (a) having a strong smell
___ (b) common and easy to use
___ (c) easily set on fire
9. Safety rules and procedures help prevent hazards.
___ (a) fights
___ (b) telephone calls
___ (c) dangerous happenings
10. Jerry Miller can hurt his hand using a defective power drill.
___ (a) not in good working order, in bad condition
___ (b) not powered by electricity
___ (c) new and in good working order
11. All injuries caused by carelessness have to be reported.
___ (a) jobs of an auto shop student
___ (b) accidents causing damage to a shop worker
___ (c) movements of the body

III. True or False

Directions: Tell whether the following statements are true or false. Label either T or F.

- ___ 1. A creeper should always be left lying on the shop floor.
- ___ 2. Flammable materials can be set on fire easily.
- ___ 3. Mr. Ford explained safety rules and procedures.
- ___ 4. Oil puddles should not be wiped up from the shop floor.
- ___ 5. Carbon monoxide is a poisonous gas.
- ___ 6. Mr. Ford showed the students where the main emergency switch was.
- ___ 7. Mr. Ford said that only serious injuries had to be reported.
- ___ 8. Students do not have to use caution in working with flammable liquids.
- ___ 9. In using a jack on a car, the handle should be left in a low position.
- ___ 10. Defective tools are helpful in stopping accidents in the shop.

IV. Sentences to Complete

Directions: Below are some sentences. Some words have been left out. Fill in each blank with the correct word from the list.

Word List

absorbent	emergency switch
carbon monoxide	flammable
caution	hazards
creeper	injuries
defective	poisonous

1. You learned about the danger of breathing in _____ gases.
2. _____ is a deadly gas that always must be piped out of the shop.
3. Jerry Miller and the other auto shop students have to use _____ in working with dangerous materials.
4. _____ materials can easily catch on fire.
5. The main _____ is on the wall.

6. Jerry uses a _____ to crawl under the automobile.
7. A _____ piece of equipment can cause accidents.
8. Students must report all _____
9. It is important to check _____ before starting a job.
10. Large oil puddles have to be covered with an _____ material.

V. Vocabulary – Spelling

Directions: Fill in the missing letters in the following words from the story.

1. fl _ _ m _ _ _ bl _ _
2. cr _ _ _ _ p _ _ _
3. a _ _ s _ _ r _ _ e _ _ t
4. _ _ a _ _ a _ _ d _ _
5. in _ _ _ _ _ ies
6. _ _ au _ _ i _ _ _
7. p _ _ o _ _ e _ _ u _ _ e
8. c _ _ _ b _ _ n m _ _ n _ _ x _ _ _ _
9. e _ _ e _ _ g _ _ _ _ y _ _ w _ _ t _ _ _ es
10. p _ _ _ s _ _ nou _ _
11. d _ _ f _ _ _ t _ _ _ e
12. sl _ _ _ _ _ _ _ y

VI. Word Find Puzzle

Directions: Find the following words hidden in the puzzle. Draw a circle around each. They may be going across, down, or on a slant. The first word has been found for you.

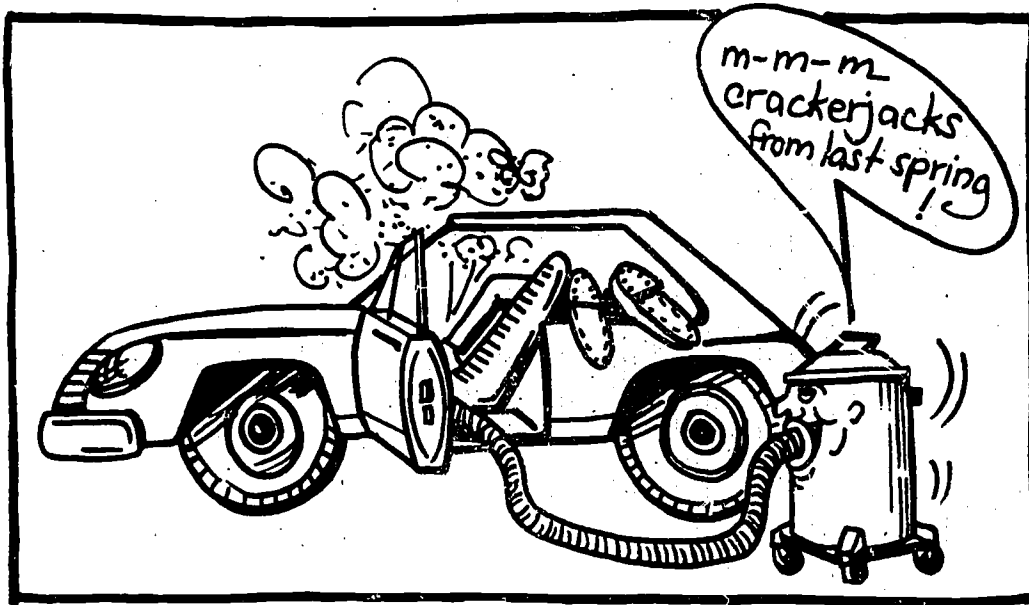
Words to Find in Puzzle

absorbent
 carbon monoxide
 caution
 creeper
 defective
 emergency switches

flammable
 hazards
 injuries
 poisonous
 procedure
 slippery
 unexpectedly

E	E	R	K	O	I	P	L	K	J	Z	R	V	N	D	F	H	R	P
X	M	C	F	L	A	M	M	A	B	L	E	K	P	E	L	A	E	R
O	I	E	I	Z	C	A	L	M	E	F	M	B	E	F	D	Z	X	O
E	C	A	R	B	O	N	M	O	N	O	X	I	D	E	N	A	F	C
S	H	K	P	G	T	X	P	M	Q	U	H	A	U	C	Q	R	I	E
L	N	Z	A	Y	E	L	T	O	V	T	U	B	S	T	W	D	Y	D
I	V	T	S	E	X	N	U	R	B	F	R	S	A	I	O	S	R	U
P	C	J	K	S	R	U	C	T	J	T	E	O	E	V	P	K	Q	R
P	Y	O	B	D	M	A	I	Y	N	K	O	R	V	E	N	D	X	E
E	S	P	N	K	U	R	I	C	S	T	I	B	R	O	A	D	G	V
R	I	L	N	T	D	E	I	O	B	W	R	E	R	M	C	G	E	L
Y	R	U	I	D	C	Y	W	M	N	O	I	N	J	U	R	I	E	S
S	P	O	I	S	O	N	O	U	S	U	K	T	W	B	H	S	A	T
O	N	H	R	Z	X	N	A	V	T	R	L	T	C	L	T	O	I	O
L	Y	I	F	E	I	A	O	F	R	V	O	I	C	H	R	K	N	Z
U	N	E	X	P	E	C	T	E	D	L	Y	C	R	S	E	T	E	I
K	G	O	S	W	N	B	U	X	L	N	T	F	Z	V	R	S	J	K
L	B	C	R	E	E	P	E	R	M	O	W	T	D	C	L	O	H	S

CLEANING THE INTERIOR OF A CAR



Key Words:

interior
procedure
storage area

whisk broom
vacuum cleaner

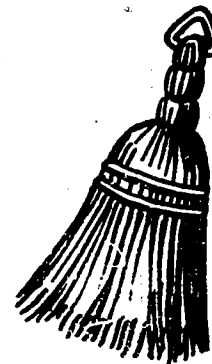
Before a car is washed, the interior has to be cleaned first. Mr. Ford explained the correct procedure to Jerry Miller and the other shop students. The materials and equipment that Jerry needed were:



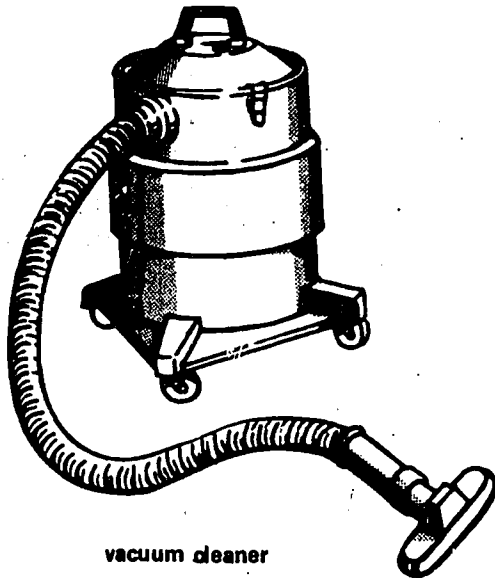
glass cleaner



all purpose cleaner



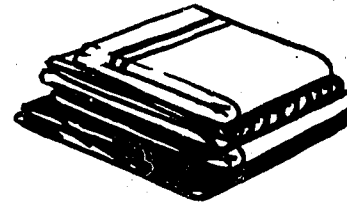
whisk broom



vacuum cleaner



air hose



clean cloths

Using a vacuum cleaner Jerry first removes all surface dirt from the car's interior. For hard to reach places, like under the seats, he uses an air hose. This device blows out the dirt. A whisk broom also comes in handy. After the dirt is blown and brushed out, Jerry vacuums it up.

Next Jerry takes the all purpose cleaner and a clean cloth. He cleans the sun visors, the top of the dashboard, the steering column, the instrument panel, arm rests, shelf under the rear window, vinyl upholstery, and all interior chrome.

Third, Jerry cleans all windows and mirrors with a glass cleaner and cloth. He lowers each window a little so he can clean all of the edges.

The job is then finished. Jerry returns all materials and equipment to the shop's storage area. Mr. Ford checks Jerry's work. He usually tells Jerry that he did a good job.

I. Getting the Main Idea

Directions: Below are three sentences. One of them tells the main idea of what you just read. Put an X next to that sentence.

1. ___ Jerry Miller learned the procedure for cleaning a car's interior.
2. ___ Jerry Miller learned how to wax a car.
3. ___ Jerry Miller learned how to wash a car.

II. Getting the Meaning from the Context

Directions: Read each sentence below carefully. Pay close attention to the words in dark print. There are three meanings after each sentence. Put an X next to the best meaning for the words in dark print.

1. Jerry Miller learned the best procedure for cleaning a car.
___ (a) a way of doing something
___ (b) a tool for cleaning
___ (c) an all purpose cleaner

2. Jerry uses a whisk broom for hard to reach places.
___ (a) a tool used for washing windows
___ (b) a tool used for cleaning up liquids
___ (c) a small hand tool used for brushing dirt away

3. Jerry uses a vacuum cleaner on the rug of the car.
___ (a) a tool used for cleaning windows
___ (b) a machine used to suck up dirt
___ (c) a tool used for cleaning an engine

4. The interior of the car has thick carpeting.
___ (a) roof
___ (b) truck
___ (c) inside

5. Jerry returns all materials and equipment to the storage area.
___ (a) a place where things are kept for use
___ (b) garage
___ (c) shop

III. True or False

Directions: Tell whether the following statements are true or false. Label each either T or F.

- ___ 1. Jerry Miller uses a vacuum cleaner to remove surface dirt.
- ___ 2. Jerry uses a window cleaner on the vinyl upholstery.
- ___ 3. A car's interior should be cleaned after the outside is washed.
- ___ 4. Jerry uses an air hose to blow out dirt from hard to reach places.
- ___ 5. Jerry uses an all purpose cleaner and a clean cloth for the sun visors, instrument panel, and vinyl upholstery.
- ___ 6. Jerry uses an all purpose cleaner on the windows and mirrors.
- ___ 7. Jerry returns all materials and equipment to the the storage area when he finishes the job.

IV. Sentences to Complete

Directions: Below are some sentences. Some words have been left out. Fill in each blank with the correct word from the list.

Word List

interior
procedure
storage area

whisk broom
vacuum cleaner

1. A _____ comes in handy for hard to reach places.
2. Jerry Miller learned the proper _____ for cleaning a car.
3. Before washing a car, the _____ has to be cleaned first.
4. Jerry uses a _____ to remove surface dirt.
5. Jerry returns all materials to the _____

V. Vocabulary – Spelling

Directions: Fill in the missing letters in the following words from the story.

1. i _ _ t _ _ r _ _ _ r
2. _ _ r _ _ c _ _ d _ _ r _ _
3. _ _ h _ _ s _ _ b _ _ o _ _ m
4. _ _ _ _ or _ _ _ _ e a _ _ e _ _
5. v _ _ c _ _ u _ _ c _ _ e _ _ n _ _ r

VI. Word Find Puzzle

Directions: Find the following words hidden in the puzzle. Draw a circle around each. They may be going across, down, or on a slant. The first word has been found for you.

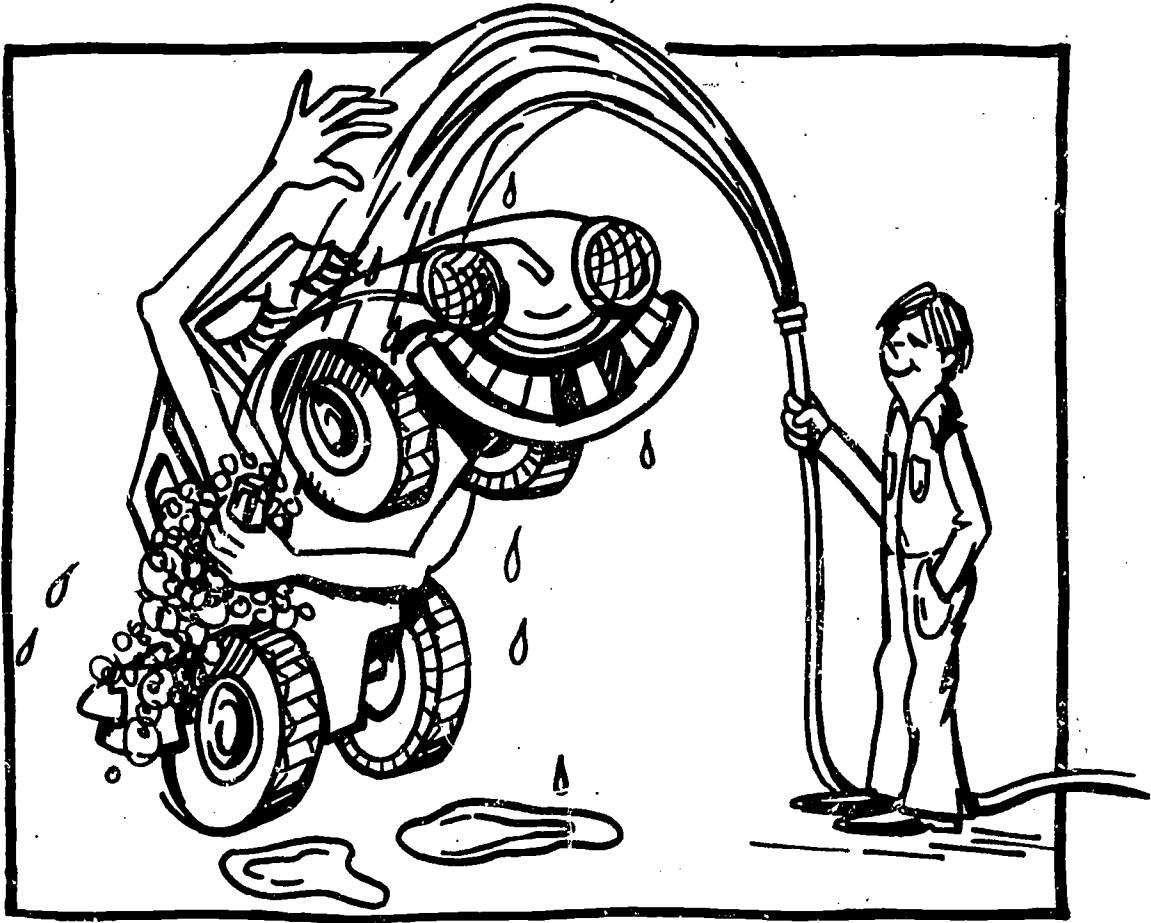
Words to Find in Puzzle

chrome
 dashboard
 instrument panel
 interior
 procedure
 steering column

storage area
 sun visors
 vacuum cleaner
 vinyl upholstery
 whisk broom

T O D W E R A W H I S K B R O O M S
 V N M O I G U T I N F R N T H O N T
 I N S T R U M E N T P A N E L I D O
 N O N U E E Y N T E L E Z D G A R R
 Y I A T N A N C H R O M E U S A N A
 L A K I S V D O V I T H L H O N Y G
 U E I S A L I C T O K U B D B E N E
 P A S H T O G S T R O O U Y A W T A
 H Y O F U E G Z O P A Q U O G N S R
 O I P R O C E D U R E N Y U H P K E
 L C V N L T P K D Y S C S Y I U O A
 S A I O L D W C O S R A N O A N T T
 T A V A C U U M C L E A N E R E I M
 E N S E H N E S A N K M S K E P T U
 R S T E E R I N G C O L U M N I H E
 Y A A K L N H J R B S N T M A Z S N

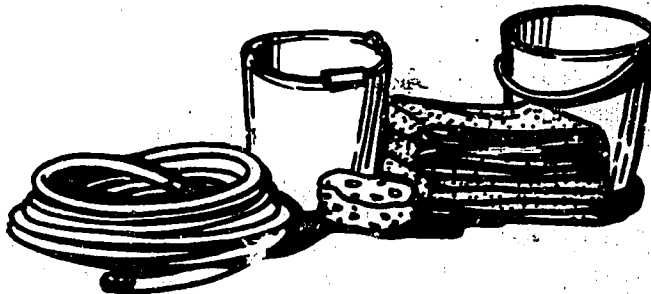
WASHING A CAR



Key Words:

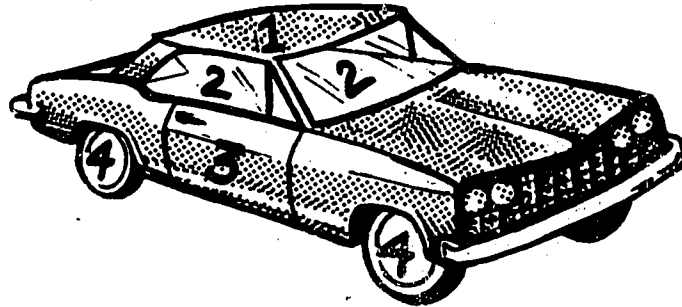
bucket	rear deck
bumpers	solution
grille	sponge
hood	streaks
owner's manual	towels

One of the first jobs that Jerry Miller learned in auto shop was car washing. Mr. Ford explained the correct procedure for this job. Jerry got all the necessary equipment and materials together. He needed a hose, two buckets, soap, a sponge, and some clean towels.



Jerry then made up the soap solution in the bucket. The type of soap used was the one listed in the owner's manual of the car. The correct soap won't damage the paint. Jerry also had to read directions on the soap package. He didn't know some of the words on the package. Mr. Ford helped him read those words.

After the soap solution was mixed up correctly in the bucket, Jerry brought all the equipment over to the car. Mr. Ford said that the cleanest area of the car should be washed first. Jerry started with the roof and worked down to the wheels. The diagram below shows the correct pattern that Jerry followed:



Jerry learned that it was first necessary to wet the car with plain water. Next Jerry took the hose in one hand and the sponge in the other. He wet and sponged the roof, windows, hood, rear deck, sides, grille, tail lights, bumpers, and wheels. Scratches were prevented and dirt was loosened by this procedure. After the car was fully sponged with plain water, Jerry soaked the sponge in the soap solution. He soaped the car with the sponge. He sprayed the roof first. Then he sponged the windows, doors, and wheels. He followed the pattern in the diagram above.

It is important to rinse the car quickly after soaping. By doing this soap streaks are prevented. Mr. Ford taught Jerry to rinse from the bottom of the car and work toward the roof. This gets the heavy dirt off first. The lighter dirt is toward the top of the car.

Jerry then wiped the car dry with a clean towel. The towel was first folded into a neat pad. He wrung out the towel often. When one surface of the folded towel became fully wet, he turned it to a drier side. He followed this procedure of wringing and refolding the towel. This method lets Jerry use all the dry sides of the towel. Less towels are needed when you use all the dry sides.

Mr. Ford told Jerry that he had done a good car wash for the first time. Jerry had never done such a good wash job before. After the car was dried, Jerry returned all of the equipment to the storage area.

I. Getting the Main Idea

Directions: Below are three sentences. One of them tells the main idea of what you just read. Put an X next to that sentence.

1. ___ Jerry learned how to sponge a car.
2. ___ Jerry learned how to remove scratches from a car's body.
3. ___ Jerry learned the correct procedure for washing a car.

II. Getting the Meaning from the Context

Directions: Read each sentence carefully. Pay close attention to the word in dark print. There are three meanings after each sentence. Put an X next to the best meaning for the words in dark print.

1. Jerry mixed up the soap solution in the bucket.
___ (a) powder
___ (b) bubbles
___ (c) a liquid mixture
2. The owner's manual of the car lists the kind of soap to use.
___ (a) a small book that tells about a car and its maintenance.
___ (b) dashboard
___ (c) trunk
3. Jerry used a sponge to wash the car.
___ (a) a material used for stirring soap
___ (b) a material used to soak up a liquid and is used in cleaning
___ (c) a material that takes paint off a car
4. Jerry Miller folded the towel into a pad before wiping the car.
___ (a) a piece of paper helpful in cleaning
___ (b) a piece of cloth used for drying something wet
___ (c) a pad of paper

5. Jerry soaped the rear deck of the car.
___ (a) the trunk and back section of a car
___ (b) the front or hood of a car
___ (c) the top of a car
6. Jerry carefully wiped all the surfaces of the grille.
___ (a) the chrome-plated open screen at the front of a car
___ (b) a wheel cover
___ (c) a heater
7. Streaks could be left if the soap was left on the car too long.
___ (a) a beautiful shine
___ (b) smooth spots
___ (c) long thin marks or lines
8. Jerry washed the front and rear bumpers of the car.
___ (a) metal bars that protect the main body of a car
___ (b) tires
___ (c) windows
9. Jerry carefully wiped the tail lights of the car with a towel.
___ (a) the lights inside a car
___ (b) the lights at the front of a car
___ (c) the lights in the back of a car
10. After soaping the windows, Jerry sponged the car's hood.
___ (a) the part of the car's body that covers the engine
___ (b) another name for the car's roof
___ (c) the trunk lid

III. True or False

Directions: Tell whether the following statements are true or false. Label either T or F.

- ___ 1. A hard brush was used to soap the car.

- ___ 2. Jerry Miller read the directions on the soap package.
- ___ 3. It was necessary to first wet the car with plain water.
- ___ 4. Jerry started washing the wheels of the car first.
- ___ 5. Jerry rinsed the car slowly.
- ___ 6. Jerry rinsed the car from bottom to top.
- ___ 7. Jerry wrung out the towel often.
- ___ 8. Jerry folded the towel into a ball.
- ___ 9. The soap solution was mixed up in a bucket.
- ___ 10. Jerry didn't do a good wash job.

IV. Finding the Correct Order

Directions: Below are the steps Jerry followed in washing a car. There is one thing wrong with them. The steps are all mixed up. Arrange them in the correct order by writing the letters in the blank spaces next to the numbers.

- | | Step No. |
|--|-----------|
| A. Rinse the car quickly. | 1. _____ |
| B. Wet the car with plain water | 2. _____ |
| C. Gather all materials and equipment together. | 3. _____ |
| D. Mix up the soap solution in a bucket. | 4. _____ |
| E. Fold a clean towel into a neat pad. | 5. _____ |
| F. Read the directions on the soap package. | 6. _____ |
| G. Return all materials and equipment to the storage area. | 7. _____ |
| H. Soap the car with a sponge. | 8. _____ |
| I. Wet and sponge the car together. | 9. _____ |
| J. Dry the car fully with a clean towel. | 10. _____ |

V. Sentences to Complete

Directions: Here are some sentences. Some words have been left out. Fill in each blank with the correct word from the list.

Word List

bucket	rear deck
bumpers	solution
grille	sponge
hood	streaks
owner's manual	towel

1. Jerry Miller mixed up the soap _____
2. The _____ was filled with water.
3. Jerry read the _____ to see what kind of soap to use.
4. Rinsing the soap off quickly prevented soap _____
5. The front and back _____ protected the body of the car.
6. Jerry wiped the chrome-plated open _____ at the front of the car.
7. Jerry used a _____ to soap the car.
8. Jerry knew that the _____ was the same as the trunk lid and back section of the car.
9. The _____ was the front section of the car covering the engine.
10. Jerry used a clean _____ to wipe the car dry.

VI. Spelling – Vocabulary

Directions: Fill in the missing letters in the following words from the story.

1. h _ _ _ d
2. b _ _ m _ _ ers
3. t _ _ w _ _ l
4. gr _ _ _ le
5. s _ _ _ n _ _ e
6. _ o _ _ u _ _ i _ _ n
7. o _ _ _ er' _ _ m _ _ nu _ _ i
8. b _ _ ck _ _ t
9. s _ _ r _ _ _ ks
10. r _ _ ar _ _ e _ _ k

VII. Word Find Puzzle

Directions: Find the following words hidden in the puzzle. Draw a circle around each. They may be going across, down, or on a slant. The first word has been found for you.

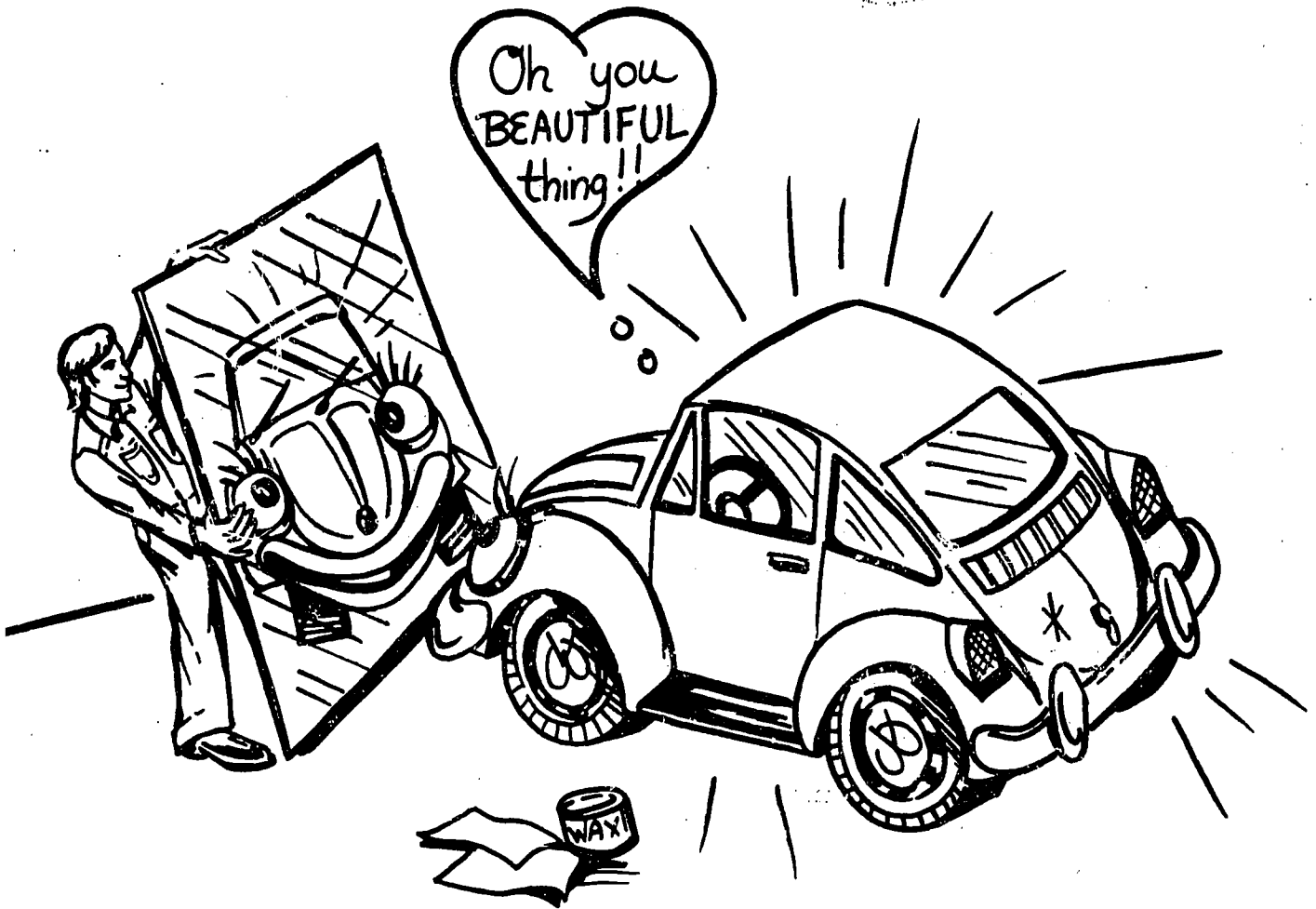
Words to Find in Puzzle

bucket
bumpers
grille
hood
owner's manual

rear deck
solution
sponge
streaks
towel

I	H	O	O	D	H	L	P	T	W	Z	Q	M	B	I
D	G	J	M	P	Q	R	U	X	R	V	N	U	K	H
D	H	L	S	P	O	N	G	E	M	P	C	Z	X	I
V	E	Y	Q	U	D	F	A	U	Z	K	E	V	K	F
G	B	U	M	P	E	R	S	H	E	J	P	B	N	S
U	C	K	R	X	D	Z	G	T	J	P	Q	Y	O	X
C	O	W	N	E	R	S	M	A	N	U	A	L	E	R
T	I	D	C	R	T	X	B	L	W	C	U	P	B	M
H	W	K	E	R	S	N	I	S	X	T	P	J	Z	N
E	K	R	E	P	A	M	P	U	I	Y	O	G	N	F
L	U	A	T	A	Y	I	D	O	T	M	P	W	F	K
Y	K	K	N	T	E	N	N	F	O	I	L	J	E	T
S	N	A	X	G	R	I	L	L	E	A	O	M	G	L

POLISHING AND WAXING A CAR



Key Words: ...

cheese cloth

circular

manufacturer's directions

polish

product

wax

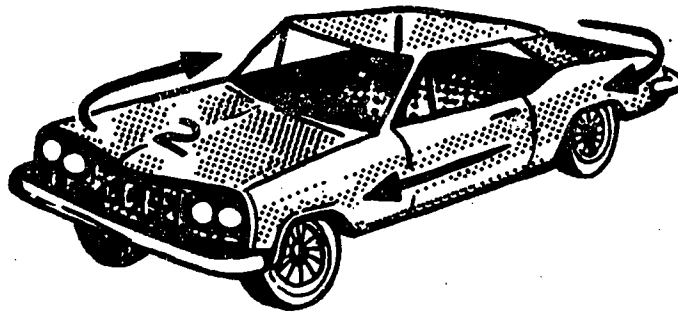
After washing a car Jerry Miller learned the procedures of polishing and waxing. Mr. Ford explained the difference between polish and wax. Polish removes road film and makes the paint shine. The wax does not really make a car shine. Wax protects the shine by acting as a seal for the paint.

The materials that Jerry needed for polishing and waxing a car are listed below:

1. polish
2. tar remover
3. wax
4. clean cheese cloths

The first step that Jerry did was to remove any tar from the paint with tar remover. He followed the manufacturer's directions on the can. This was done to be sure he was using the product correctly. He also used the tar remover on all the door jambs (frames), hood opening, and trunk lid opening.

The second step Jerry followed was to apply the polish to the car with a clean cheese cloth. He followed the manufacturer's directions again for the type of polish he was using. Jerry began with the roof. Then he continued with the front-center of the hood. He moved in a circular pattern around the car following the numbers and the arrows.



Jerry checked all cracks (edge of hood and other cracks) for any left over polish. If this polish wasn't removed, it would leave white marks.

After the car was completely polished, Jerry waxed the car. He used a hard wax called "Blue Coral." He followed the manufacturer's directions on the can. Starting with the roof, he continued with the front-center of the hood. Jerry followed the same circular pattern as before. He waxed one panel at a time as he moved around the car. This circular pattern saves steps in walking.

When the job was finished, Jerry returned all his materials to the storage area of the shop. Mr. Ford checked Jerry's work. It was a good job.

I. Getting the Main Idea

Directions: Below are three sentences. One of them tells the main idea of what you just read. Put an X next to that sentence.

1. ___ Jerry Miller learned the correct procedure for polishing and waxing a car.
2. ___ Jerry Miller learned how to remove tar.
3. ___ Jerry Miller learned how to clean door jambs (frames).

II. Getting the Meaning from the Context

Directions: Read each sentence below carefully. Pay close attention to the word in dark print. There are three meanings after each sentence. Put an X next to the best meaning for the word in dark print.

1. Jerry Miller applied polish to the car.
___ (a) a material that takes off tar
___ (b) a material that makes the paint smooth and shiny
___ (c) a material that changes the color of the paint
2. After Jerry finished polishing the car, he applied wax.
___ (a) a material that protects the paint by sealing the shine
___ (b) a material that removes paint
___ (c) a material that removes tar
3. Jerry followed a circular pattern in polishing and waxing the car.
___ (a) new
___ (b) zig-zag
___ (c) round like a circle
4. Jerry followed the manufacturer's directions on the can of wax.
___ (a) an explanation of how to use the wax
___ (b) rules that Mr. Ford made up
___ (c) rules that Jerry Miller made up

5. The name of the product that Jerry used was "Blue Coral."
 ___ (a) a cloth
 ___ (b) an automobile
 ___ (c) a material that has been made
6. Jerry Miller used a clean cheese cloth for polishing and waxing the car.
 ___ (a) a cloth that smells like cheese
 ___ (b) a cloth that is very dirty
 ___ (c) a thin, loosely woven cotton cloth

III. True or False

Directions: Tell whether the following statements are true or false. Label either T or F.

- ___ 1. Jerry Miller cleaned the door jambs with tar remover.
 ___ 2. Polish removes road film from a car.
 ___ 3. Polish seals the shine of the paint.
 ___ 4. Jerry checked all cracks for any left over polish.
 ___ 5. Jerry learned that wax protects and seals the shine of the paint.
 ___ 6. Jerry followed a zig-zag pattern in polishing and waxing the car.
 ___ 7. Jerry used a hard towel for polishing.
 ___ 8. Jerry knew it was important to follow the manufacturer's directions.
 ___ 9. Jerry waxed the car with tar remover.
 ___ 10. Jerry began the polishing and waxing procedures with the roof of the car.

IV. Sentences to Complete

Directions: Below are some sentences. Some words have been left out. Fill in each blank with the correct word from the list.

Word List

cheese cloth	polish
circular	product
manufacturer's directions	wax

1. Jerry followed the _____ on the can of polish.
2. He used a clean _____ for applying the polish.
3. Jerry learned that _____ removes road film.
4. He followed a _____ pattern around the car.
5. Mr. Ford told Jerry that _____ protects and seals the shine.
6. The name of the wax _____ that Jerry used was "Blue Coral."

V. Vocabulary – Spelling

Directions: Fill in the missing letters in the following words from the story.

1. m _ _ n _ _ f _ _ c _ _ u _ _ e _ _ 's d _ _ r _ _ c _ _ i _ _ n _ _
2. _ _ o _ _ i _ _ h
3. p _ _ o _ _ u _ _ t
4. w _ _ _
5. _ _ _ ee _ _ e _ _ _ oth
6. c _ _ _ c _ _ l _ _ r

VI. Word Find Puzzle

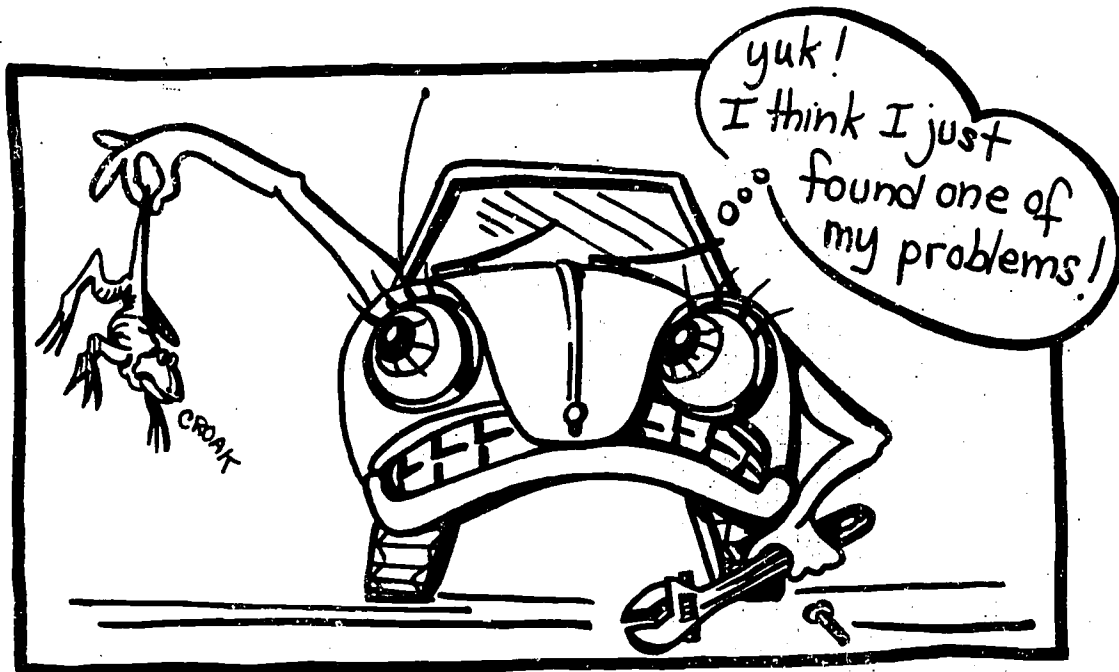
Directions: Find the following words hidden in the puzzle. Draw a circle around each. They may be going across, down, or on a slant.

Words to Find in Puzzle

cheese cloth polish
circular product
manufacturer's directions wax

M A N U F A C T U R E R S V X W
D I R E C T I O N S B O Q R A P
K D L T W H C V C R E A O X U D
Z B P H K M E N W F I X J D L O
M V R U C F B E F I N H G H O O
D G O E B I J K S K S Q U P H R
J N D K F A Z Y L E R E S P U J
L A U C K T Y J F I C H O G B A
R E C Z D P C I R C U L A R O M
N A T Q Y M S R U V I T O X W S
P H D G O I X C O S P F L T U O
J N T P M S X A H H L K R Q H V

CHANGING THE OIL

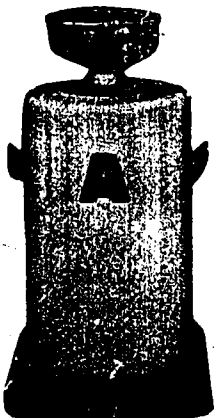


Key Words:

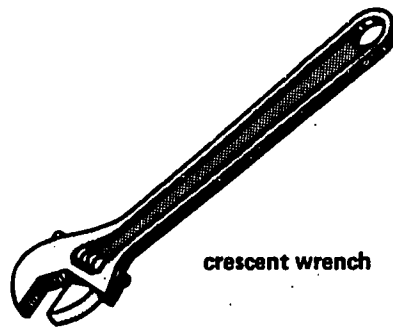
circulate	idle
crankcase	oil filler cap
crescent wrench	oil pan
dipstick	plug
drain can	S.A.E.

Jerry Miller knew that changing the oil in a car's engine was important. Oil picks up dust, water, gasoline, and other kinds of dirt. The only way to get rid of such dirt was to change the oil regularly.

Jerry used the following tools and equipment to change a car's oil:



drain can



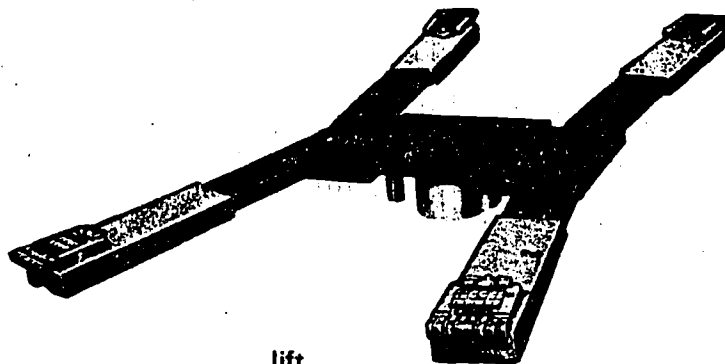
crescent wrench



engine oil



oil can opener-funnel
combination



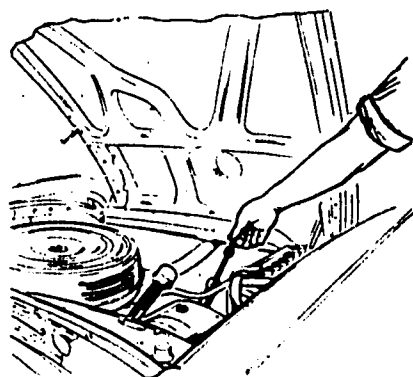
lift

Mr. Ford explained the procedure for changing oil. First, warm the car's engine to running temperature. Warm oil is thin enough to flow correctly. Jerry ran the car's engine until it was warm. Then he drove the car onto the lift. He shut off the engine and raised the car off the floor. He placed the drain can under the plug of the oil pan to catch the oil. Jerry removed the plug with a crescent wrench. The oil drained completely. Next, he replaced the plug tightly. He lowered the car to the floor and opened the hood.

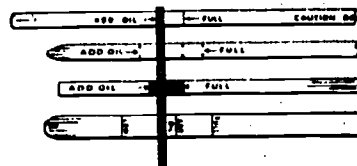
Jerry looked at the owner's manual for the car. It told him what oil to use and how much to add. It also gave the S.A.E. number of the oil. Mr. Ford told him that S.A.E. stood for the Society of Automotive Engineers. The car needed five quarts of S.A.E. 10W-40W oil. This oil could be used all year round.

Jerry then opened the cans of oil. He used a combination opener-funnel device. The car's engine needed five quarts. Jerry unscrewed the oil filler cap. He poured each quart of oil into the crankcase of the engine. Then he replaced the oil filler cap.

He started the engine and let it idle for a few minutes. The oil could then circulate through the different passageways. Then he shut the engine off. Jerry next measured the oil level. He wiped off the dipstick with a rag. He pushed it down as far as it could go. He pulled out the stick. He checked the level of the oil against the markings on the dipstick. He saw that the oil reached the "full" mark. Then he replaced the dipstick in its tube and closed the hood.



OIL LEVEL WHEN
1 QUART LOW



The oil change was finished. Jerry returned all of his tools and equipment to the storage area. Mr. Ford checked Jerry's work. He was pleased with the job Jerry had done. It was done carefully and neatly.

I. Getting the Main Idea

Directions: Below are three sentences. One of them tells the main idea of what you just read. Put an X next to that sentence.

1. ___ Jerry Miller learned how to raise a car on a lift.
2. ___ Jerry Miller learned how to give an oil change.
3. ___ Jerry Miller became unhappy in Mr. Ford's shop.

II. Getting the Meaning from the Context

Directions: Read each sentence carefully. Pay close attention to the words in dark print. There are three meanings after each sentence. Put an X next to the best meaning for the word in dark print.

1. Jerry used a drain can to catch the oil
___ (a) a container for holding old, dirty oil
___ (b) a glove used in changing oil
___ (c) a tool used for wiping oil off the floor
2. Jerry loosened the plug so the oil could flow out.
___ (a) a tool for adding oil to the engine
___ (b) a tool that lets oil move freely in the engine.
___ (c) a bolt that keeps oil from leaking out.
3. The S.A.E. number on the oil can was 10W-40W.
___ (a) Service Association of Europe
___ (b) Society of Automotive Engineers
___ (c) Selling Adults Everything
4. He let the oil circulate through the passageways.
___ (a) leak out
___ (b) move very freely
___ (c) get thick

5. Jerry used a crescent wrench to loosen the plug.
___ (a) a tool used to loosen and tighten parts
___ (b) a tool for opening a can of oil
___ (c) a tool used for pouring oil into an engine
6. Jerry saw that the oil on the dipstick was on the "full" mark.
___ (a) a special can for holding oil
___ (b) a tool for adding oil to an engine
___ (c) a narrow rod with markings for checking the oil level.
7. The oil Jerry added flowed into the crankcase.
___ (a) a heavy, metal case forming the bottom part of an engine
___ (b) a garbage can
___ (c) a drain can
8. Jerry unscrewed the oil filler cap to add new oil.
___ (a) a hat worn when giving oil changes
___ (b) the cover which leads into the crankcase of the engine
___ (c) the top of the oil drain can
9. He let the engine idle for a few minutes.
___ (a) run at its slowest
___ (b) cool down
___ (c) speed up

III. True or False

Directions: Tell whether the following statements are true or false. Label each either T or F.

- ___ 1. Oil picks up dirt in a car's engine.
___ 2. Oil changes should be done once in a great while.
___ 3. Jerry Miller used a crescent wrench to unscrew the plug.
___ 4. Jerry used a dipstick to open a can of oil.
___ 5. Jerry started the engine to get it to running temperature.

- ___ 6. The oil that Jerry added could be used only in the summer.
- ___ 7. Jerry poured each quart of oil into the crankcase.
- ___ 8. Jerry let the engine idle for a few minutes.
- ___ 9. Jerry did a sloppy, careless job.
- ___ 10. Mr. Ford was pleased with Jerry's work.

IV. Finding the Correct Order

Directions: Below are the steps Jerry followed in giving an oil change. There is one thing wrong with them. The steps are all mixed up. Arrange them in the correct order by writing the letters in the blank spaces.

- | | Step No. |
|--|-----------|
| A. Pour the oil into the crankcase of the engine. | 1. _____ |
| B. Lower the car to the floor and open the hood. | 2. _____ |
| C. Place the drain can under the plug of the oil pan. | 3. _____ |
| D. Shut off the engine. | 4. _____ |
| E. Check dipstick to see if new oil reaches the "full" mark. | 5. _____ |
| F. Read owner's manual for correct type of oil. | 6. _____ |
| G. Raise the car off the floor using the lift. | 7. _____ |
| H. Warm the car's engine to running temperature. | 8. _____ |
| I. Remove the plug of the oil pan. | 9. _____ |
| J. Unscrew the oil filler cap. | 10. _____ |
| K. Replace oil filler cap and let engine idle for a few minutes. | 11. _____ |
| L. Replace the plug tightly. | 12. _____ |

V. Vocabulary – Spelling

Directions: Fill in the missing letters in the following words from the story.

- 1. d _ _ a _ _ n c _ _ n
- 2. c _ _ e _ _ c _ _ n _ _ w _ _ e _ _ c _ _
- 3. d _ _ p _ _ t _ _ c _ _
- 4. o _ _ l p _ _ n
- 5. c _ _ a _ _ k _ _ a _ _ e

6. _ l _ g
7. o _ l f _ l _ e _ c _ p
8. c _ r _ u _ a _ e
9. _ d _ e
10. S. _ . E.

VI. Sentences to Complete

Directions: Here are some sentences. Some words have been left out. Fill in each blank with the correct word from the list.

Word List

circulate	idle
crankcase	oil filler cap
crescent wrench	oil pan
dipstick	plug
drain can	S.A.E.

1. The oil could _____ freely through the passageways.
2. Jerry Miller loosened the _____ of the _____
3. Jerry let the car _____ for a few minutes.
4. He removed the _____
5. Jerry used a _____ to loosen the plug.
6. He poured five quarts of oil into the _____ of the engine.
7. The type of oil was _____ 10W-40.
8. Jerry checked the _____ to see the oil level.
9. He placed the _____ under the car to catch the oil.

VII. Word Find Puzzle

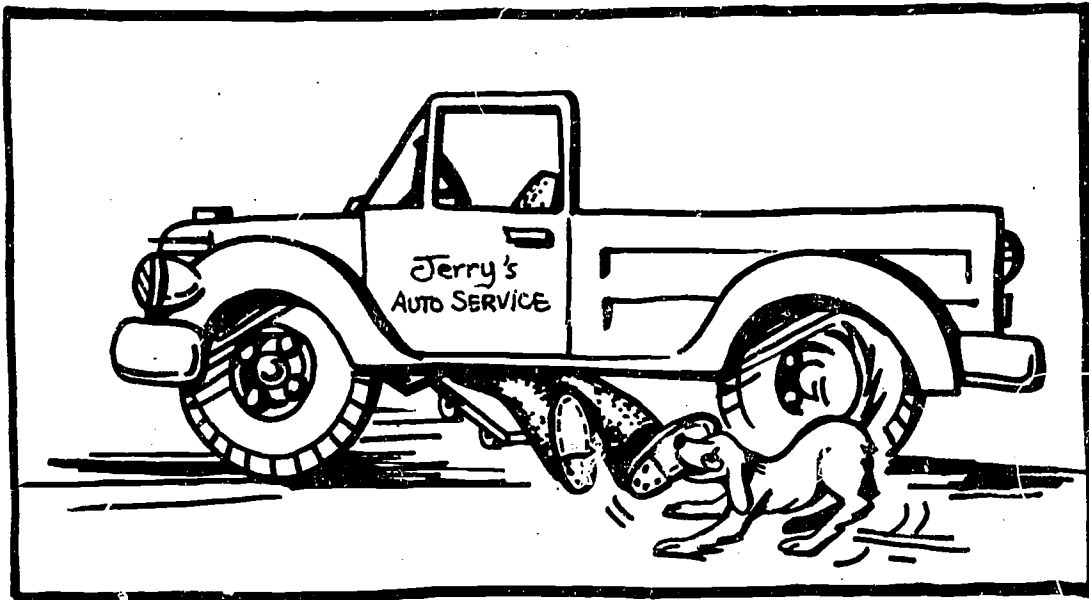
Directions: Find the following word(s) in the puzzle. Draw a circle around each. They may be going across, down, or on a slant.

Words to Find in Puzzle

circulate	idle
crankcase	oil filler cap
crescent wrench	oil pan
dipstick	plug
drain can	S.A.E.

L	B	E	H	K	O	V	H	O	D	U	I	W	P	L	I	F	C
R	U	Z	A	D	M	P	S	I	V	C	T	Q	N	J	E	E	Q
W	D	M	T	D	O	Q	P	L	U	G	N	R	S	P	S	E	X
G	V	L	Y	R	Z	S	A	F	N	S	M	T	B	A	U	A	F
W	B	F	X	A	T	O	G	I	V	A	H	Q	C	Y	A	Z	E
J	N	D	M	I	P	Q	U	L	I	K	W	K	C	E	J	R	D
S	X	B	C	N	R	C	T	L	E	V	N	E	U	I	Y	B	K
H	L	K	G	C	X	O	F	E	L	A	K	P	J	U	W	N	O
P	J	Y	I	A	M	G	N	R	R	U	V	F	X	Z	C	F	S
X	I	D	O	N	C	T	W	C	I	R	C	U	L	A	T	E	L
H	P	A	H	E	D	J	G	A	S	D	M	L	U	K	W	V	T
O	I	L	P	A	N	Y	A	P	H	Q	L	R	Z	P	A	B	Z
N	T	Y	C	G	L	O	Q	R	I	R	K	E	F	B	X	S	M
D	C	R	E	S	C	E	N	T	W	R	E	N	C	H	J	G	A

CHANGING AN OIL FILTER

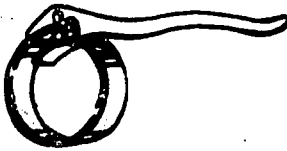


Key Words:

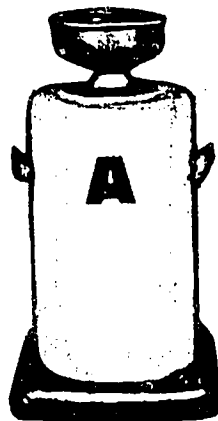
base
clogged
gasket

installed
mounted
oil filter

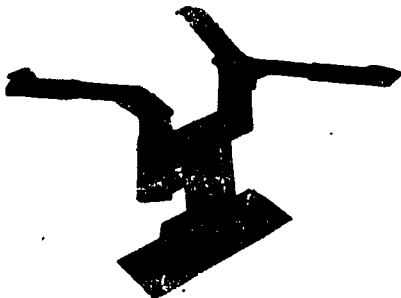
Jerry Miller learned about oil filters. An oil filter was used to remove dirt from the engine's oil. It became clogged after about 5,000 miles. At this point it had to be changed. Jerry learned how to change an oil filter. The tools and equipment he needed were:



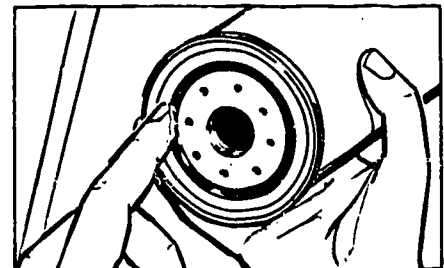
oil filter wrench



drain can

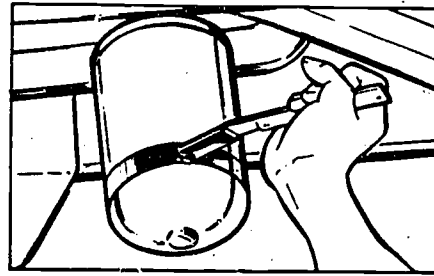


lift



new oil filter

Jerry followed the procedure Mr. Ford had explained. First Jerry raised the car on the lift. He placed the drain can under the filter. The drain can caught the leaking oil. Jerry then loosened the filter with the special wrench. He turned the open end of the filter up while removing it from its base. Next he removed the old gasket from the filter base. He cleaned the base thoroughly. Jerry then took a new oil filter. He installed a new base basket at the end of the filter. He made sure the gasket was fully seated. Finally, he mounted the new filter on the base. It had to fit tightly.



A -- clean base B -- oil seal gasket C -- tighten

Jerry returned all the tools and equipment to the storage area. Finally, he lowered the car to the floor. The job was finished.

I. Getting the Main Idea

Directions: Below are three sentences. One of them tells the main idea of what you just read. Put an X next to that sentence.

1. ___ Jerry Miller learned how to change a flat tire.
2. ___ Jerry Miller learned how to use a lift.
3. ___ Jerry Miller learned how to change an oil filter.

II. Getting the Meaning from the Context

Directions: Read each sentence below carefully. Pay close attention to the words in dark print. There are three meanings after each sentence. Put an X next to the best meaning for the words in dark print.

1. The oil filter was used to remove dirt from the engine's oil.
 ___ (a) a tool used for lifting a car
 ___ (b) a device used to help keep engine oil cleaner.
 ___ (c) a tool used for lowering a car

2. Jerry Miller installed the filter in the correct place.
 (a) take out
 (b) replace
 (c) put in

3. Jerry Miller sealed the oil filter with a new gasket.
 (a) a rubber ring used to keep the oil from leaking out.
 (b) a tool used for pulling
 (c) a tool used for removing oil filters

4. The old oil filter was clogged with dirt.
 (a) replaced
 (b) filled, or blocked up
 (c) emptied

5. He mounted the oil filter on its base.
 (a) thrown out
 (b) removed
 (c) placed in position

6. Jerry put a new gasket at the base of the filter.
 (a) top
 (b) side
 (c) bottom

III. True or False

Directions: Tell whether the following statements are true or false. Label either T or F.

1. Jerry Miller used a pump to replace an oil filter.
2. Jerry Miller used a special wrench to replace an oil filter.
3. An oil filter was used to remove dirt from the engine's oil.
4. Jerry used the same gasket from the old filter for the new one.
5. Jerry mounted the new filter on the base.
6. Jerry used a drain can to catch the leaking oil

IV. Sentences to Complete

Directions: Below are some sentences. Some words have been left out. Fill in each blank with the correct word from the list.

Word List

base	installed
clogged	mounted
gasket	oil filter

1. The _____ became _____ after 5,000 miles.
2. Jerry Miller _____ the new filter on its _____
3. Jerry made sure the new _____ was fully seated.
4. He _____ a new gasket at the one end of the filter.

V. Finding the Correct Order

Directions: Below are the steps Jerry Miller followed in installing a new oil filter. There is one thing wrong with them. The steps are all mixed up. Arrange them in the correct order by writing the letters in the blank spaces.

- | | Step No. |
|--|-----------|
| A. Remove the old gasket from the filter base. | 1. _____ |
| B. Raise the car on the lift. | 2. _____ |
| C. Install a new gasket at the proper end of the new filter. | 3. _____ |
| D. Place the drain can under the old oil filter. | 4. _____ |
| E. Make sure the gasket is fully seated. | 5. _____ |
| F. Loosen and remove old oil filter with a special wrench. | 6. _____ |
| G. Lower car to floor. | 7. _____ |
| H. Return all tools and equipment to the storage area. | 8. _____ |
| I. Clean the base thoroughly. | 9. _____ |
| J. Mount the new filter on its base until it fit tightly. | 10. _____ |

VI. Vocabulary – Spelling

Directions: Fill in the missing letters in the following words from the story.

1. i _ s _ a _ l _ d
2. o _ l _ i _ t _ r
3. g _ s _ e _
4. _ a _ e
5. c _ o _ g _ d
6. m _ u _ t _ i

VII. Word Find Puzzle

Directions: Find the following words hidden in the puzzle. Draw a circle around each. They may be going across, down, or on a slant.

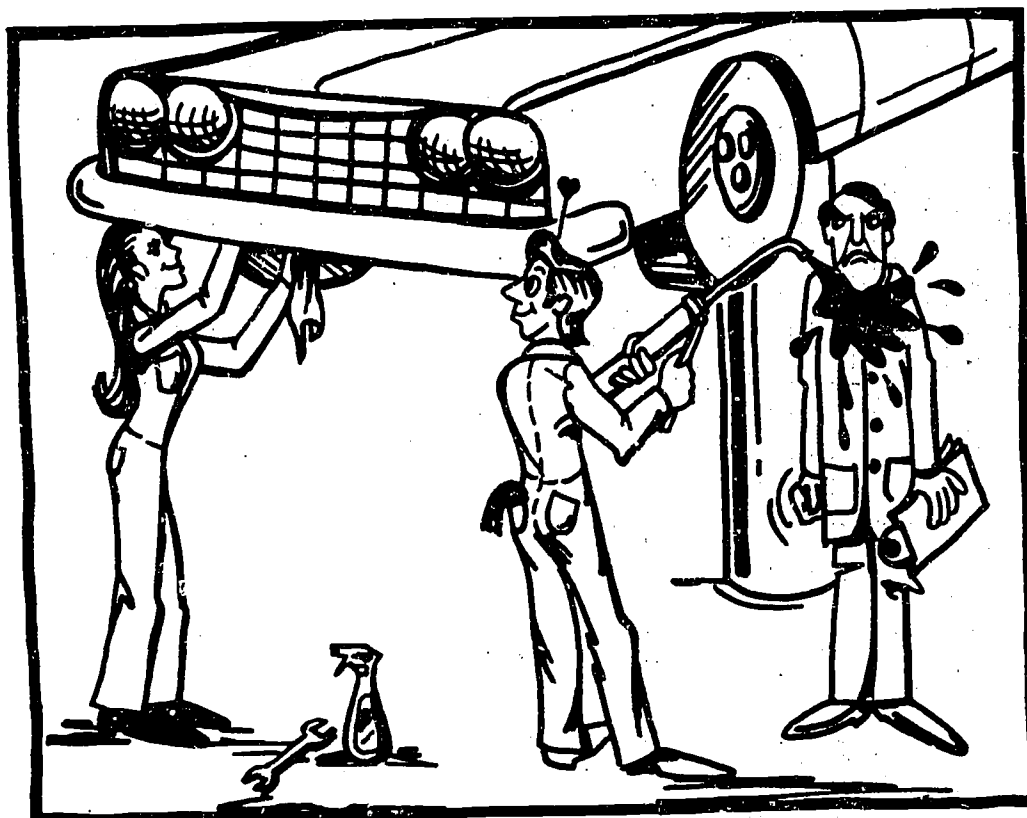
Words to Find in Puzzle

base
clogged
gasket

installed
mounted
oil filter

L K E C P I R A D B R C R B D B
P J P G E P C E T H V I Y K I D
U S B O M O T Y R U C V O J R K
H C B A S N I A L S T L K Y L I
T I L A U N V E I U V L F R P U
Y N O O I L F I L T E R I U T G
Y P M U G T M L N B T N Y O T R
O B P V R G X Y X S E C A U V T
F L A W A I E N X G T G Z L O O
L P Y S N E I D X O N A O V C G
S A K C E J L C A H O H L S I A
C E A U N O N O A E F O G L I N
T R S U C B M K E T I M M T E L
E P L M X T A C K V W E H I T D

LUBRICATING THE CHASSIS



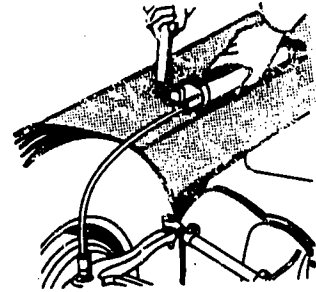
Key Words:

chassis
fittings
grease gun
injected
lubricated

lubricant
owner's manual
seal
seep

With each oil change, the car's chassis had to be lubricated with grease. The chassis is the frame and machinery that supports the body. It has various fittings, and these fittings have moveable parts. The parts must be lubricated to work smoothly.

Mr. Ford explained to Jerry Miller how to do a grease job (lubrication of the chassis). First, Jerry raised the car on the lift. Next he located and cleaned all fittings. He cleaned them with a rag. If this was not done, the new grease would seep out. Some of the fittings were the steering linkage, suspension parts, and steering gear. These fittings have a seal around them. Then Jerry counted all the fittings. He compared his number with the number in the owner's manual. This prevented him from missing any fittings. Using the grease gun Jerry carefully injected the lubricant into the fittings. He injected enough grease until he noticed movement in the seal of the fitting. He made sure not to miss any points of lubrication.



Then he returned the grease gun to its storage area. Finally, Jerry lowered the car to the floor. Mr. Ford was pleased with Jerry's work.

I. Getting the Main Idea

Directions: Below are three sentences. One of them tells the main idea of what you just read. Put an X next to that sentence.

1. ___ Jerry Miller learned the procedure of fixing a flat tire.
2. ___ Jerry Miller learned how to fix the steering linkage.
3. ___ Jerry Miller learned the procedures of a grease job.

II. Getting the Meaning from the Context

Directions: Read each sentence carefully. Pay close attention to the words in dark print. There are three meanings after each sentence. Put an X next to the best meaning for the word(s) in dark print.

1. Jerry Miller lubricated the chassis with grease.
___ (a) made smooth and easy to work
___ (b) made harder to work
___ (c) made larger to work
2. Jerry counted the number of fittings to be lubricated.
___ (a) wheels
___ (b) cloths
___ (c) points of lubrication having moveable parts

3. Jerry learned how to grease the chassis of the car.
- (a) the roof
 - (b) the frame and machinery that supports the body
 - (c) the steering wheel
4. He used the grease gun to lubricate the car.
- (a) a tool used to take the chassis apart
 - (b) a tool used to apply grease
 - (c) a weapon used to defend a person against "greasers"
5. Cleaning the fittings was important so the grease would not seep out.
- (a) leak slowly through small openings
 - (b) wear out
 - (c) fly quickly
6. Jerry injected the lubricant into the fittings with the grease gun.
- (a) to remove
 - (b) to uncover
 - (c) to force or drive into
7. The seal around the fitting moved.
- (a) a device which is wrapped around a fitting
 - (b) a device that makes sounds like a duck
 - (c) another name for grease
8. Jerry read the owner's manual for the correct number of fittings.
- (a) a car magazine
 - (b) an automotive newspaper
 - (c) a book that tells about a car and its maintenance
9. The lubricant that Jerry used was grease.
- (a) stuff that makes moving parts wear out.
 - (b) stuff that makes moving parts work smoothly
 - (c) stuff that causes harm to moving parts.

III. True or False

Directions: Tell whether the following statements are true or false. Label either T or F.

1. The chassis has to be lubricated with each oil change.
2. Jerry did not clean the fittings with a rag.
3. Jerry knew it wasn't important to read the owner's manual.
4. Some of the fittings were the steering linkage, suspension parts, and steering gear
5. Jerry used a rifle to shoot grease into the fittings.
6. When the seal moved, Jerry knew there was enough grease in the fitting.
7. Cleaning the fittings first prevented the grease from seeping out.
8. Mr. Ford was not pleased with Jerry's work.

IV. Sentences to Complete

Directions: Below are some sentences. Some words have been left out. Fill in each blank with the correct word from the list.

Word List

chassis
fittings
grease gun

injected
lubricant
lubricated

owner's manual
seal
seep

1. The _____ Jerry Miller used was grease.
2. Jerry used a _____ to shoot the grease into the proper places.
3. The _____ had moveable parts and had permanent _____ around them.
4. If the fittings were not cleaned first, the grease would _____ out.
5. The _____ was the frame and machinery that holds up the car's body.
6. The fittings were _____ with grease.
7. Jerry _____ the grease with the gun.
8. He read the _____ for the correct number of fittings.

V. Finding the Correct Order

Directions: Below are the steps that Jerry Miller followed in doing a grease job. There is one thing wrong with them. The steps are all mixed up. Arrange them in the correct order by writing the letters in the blank spaces.

- | | Step No. |
|--|----------|
| A. Return the grease gun to its storage area. | 1. _____ |
| B. Lower the car to the floor. | 2. _____ |
| C. Locate and clean all fittings with a rag. | 3. _____ |
| D. Raise the car off the floor. | 4. _____ |
| E. Count all the fittings. | 5. _____ |
| F. Inject the lubricant with a grease gun into all the fittings. | 6. _____ |
| G. Compare the number of fittings counted with the number in the owner's manual. | 7. _____ |

VI. Vocabulary – Spelling

Directions: Fill in the missing letters in the following words from the story.

1. l _ _ b _ _ i _ _ a _ _ t
2. ch _ _ s _ _ _ s
3. _ _ _ e _ _ se g _ _ n
4. s _ _ a _ _
5. _ _ e _ _ p
6. f _ _ t _ _ i _ _ _ s

VII. Word Find Puzzle

Directions: Find the following words hidden in the puzzle. Draw a circle around each. They may be going across, down, or on a slant.

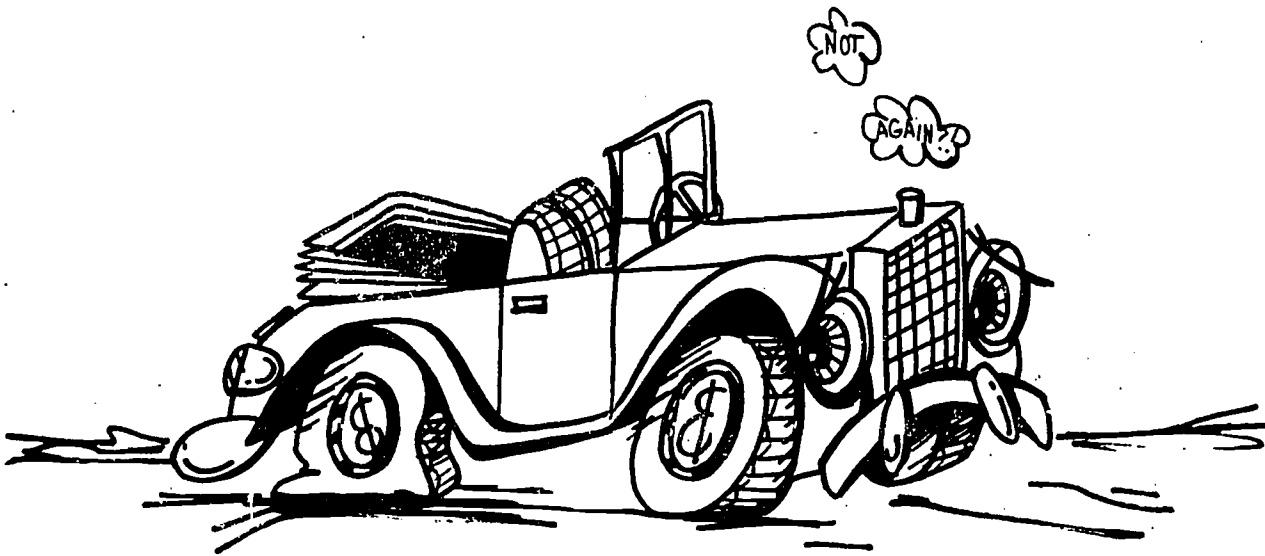
Words to Find in Puzzle

chassis
fittings
grease gun
injected

lubricant
owner's manual
seal
seep

O	A	C	U	Q	W	S	Y	B	S	F	P	Z	
C	W	F	B	U	E	W	H	D	F	L	I	R	T
G	I	N	J	E	C	T	E	D	Y	Q	T	N	J
X	O	S	E	A	L	S	B	H	G	Z	T	D	J
L	C	J	X	R	E	D	O	K	G	M	I	K	S
H	U	G	N	T	S	A	F	S	B	T	N	Q	L
E	L	B	I	Q	K	M	J	P	L	Z	G	M	U
J	F	T	E	U	C	H	A	S	S	I	S	Y	B
V	S	V	W	P	W	C	Y	N	X	Q	R	W	R
W	U	G	R	E	A	S	E	G	U	N	P	Z	I
L	B	A	X	O	L	E	I	M	N	A	M	N	C
H	T	C	I	B	R	E	V	D	V	H	L	G	A
U	L	S	K	R	W	P	N	Z	J	K	M	L	N
B	T	A	B	W	I	V	A	Y	H	X	U	K	T

MOUNTING A TIRE



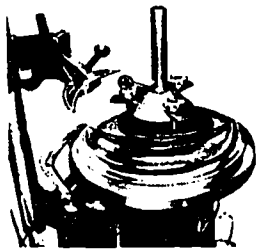
Key Words:

adjust
applicator
generous
inflated

lubricate
mounting
pried
seated

Another common job that Jerry Miller learned was mounting a tire on a rim. Proper equipment had to be used to mount tires.

The following tools and equipment were necessary:



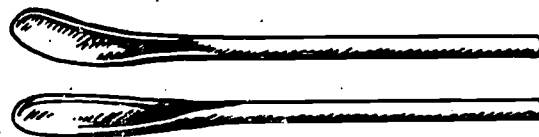
tire mounting machine



tire and rim assembly



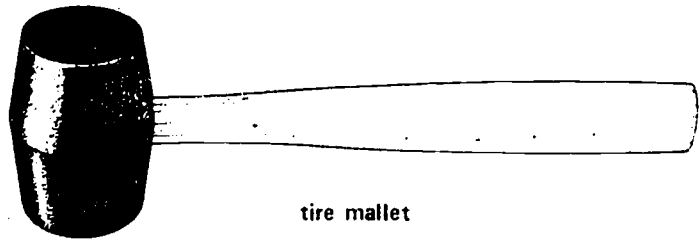
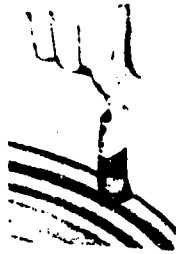
wire brush



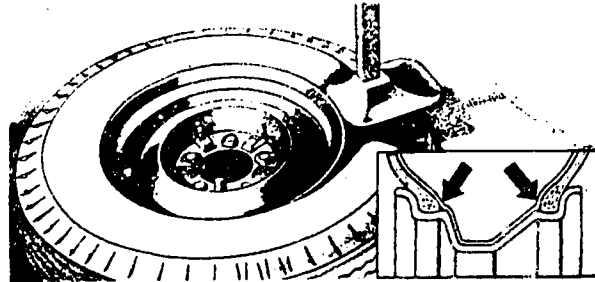
two tire irons



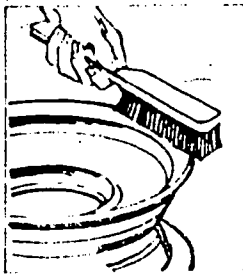
rubber lubricant and applicator



tire mallet

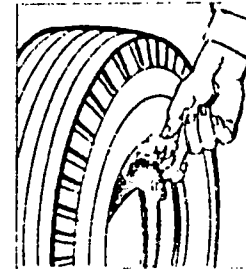


bead breaking machine

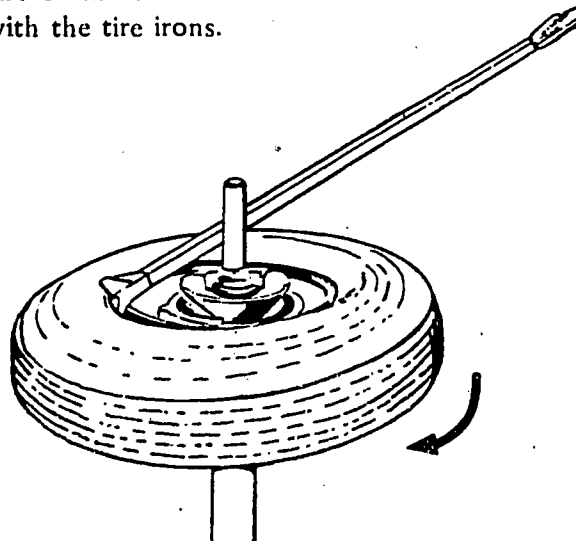


The first step that Jerry did was to prepare the rim. He used a stiff wire brush to clean and smooth the flanges and rim sealing area.

The second step Jerry followed was to lubricate the tire beads, rim flanges, and bead ledge areas. He used a rubber lubricant with an applicator for this purpose. Mr. Ford taught Jerry to use a generous amount of lubricant. A thin vegetable oil-soap solution could have also been used.



The third step was to place the rim correctly on the tire mounting machine. Jerry then started one part of the tire bead over the rim. At the same time he pried the bead over the rim edge with the tire irons.

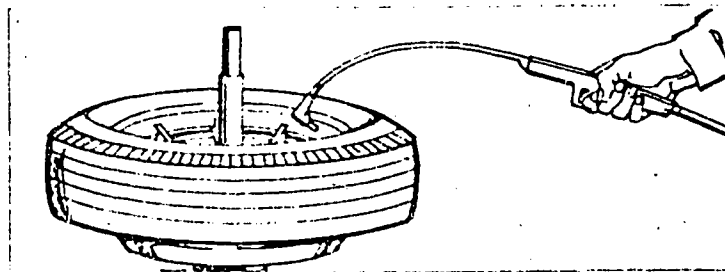


The fourth step was to drop the "worked" part of the bead into the groove of the rim. Jerry used a tire mallet for this job. Jerry then continued this procedure until the whole bead was in the groove of the rim.

The fifth step was to adjust the tire on the rim. Jerry made sure to line it up so the valve stem was in the right place.

The sixth step was to pry the second bead of the tire into place. He followed the same procedure as before.

Finally Jerry inflated the tire with air. He made sure that it centered itself on the rim. Jerry stood safely away from the tire while he inflated it. If the bead had not been seated right, it could explode outward against the rim flange. The air pressure could force the flange right off and injure Jerry. Mr. Ford always reminded Jerry and the other shop students about safety.



Jerry inflated the tire to no more than 40 pounds. The beads were properly seated. He then lowered the pressure to its proper amount. The tire was now correctly mounted. Mr. Ford checked Jerry's work. It was well done. Both Mr. Ford and Jerry were pleased.

I. Getting the Main Idea

Directions: Below are three sentences. One of them tells the main idea of what you just read. Put an X next to that meaning.

1. ___ Jerry Miller learned how to repair a flat tire.
2. ___ Jerry Miller learned how to mount a tire.
3. ___ Jerry Miller learned how to balance a tire.

II. Getting the Meaning from the Context

Directions: Read each sentence carefully. Pay close attention to the words in dark print. There are three meanings after each sentence. Put an X next to the best meaning for the words in dark print.

1. Jerry Miller had to adjust the tire on the rim.
 (a) to remove
 (b) to steal
 (c) to fit

2. He pried the tire bead over the edge of the rim using a tire iron.
 (a) to wet with soap
 (b) to raise or move by force
 (c) to break

3. Mounting a tire on a rim took practice.
 (a) pumping air into
 (b) putting in proper position
 (c) removing air from

4. Jerry dipped the applicator in the rubber lubricant solution.
 (a) a tool used to put stuff on something else
 (b) a tool used for prying
 (c) a tool used for fastening two things together

5. He used a generous supply of lubricant on the tire beads.
 (a) small
 (b) dirty
 (c) large

6. Jerry seated the tire on the rim.
 (a) pumped air into
 (b) sat on top of
 (c) set or placed in position

7. Jerry inflated the tire with air.
 (a) blew up with a gas
 (b) lowered the pressure of
 (c) balanced

8. Jerry had to lubricate the tire beads.
- ___ (a) to pump with air
- ___ (b) to count
- ___ (c) to make smooth and easy to work

III. True or False

Directions: Tell whether the following statements are true or false. Label either T or F.

- ___ 1. The rim for the tire had flanges.
- ___ 2. Jerry used gasoline to lubricate the beads of the tire.
- ___ 3. Jerry used a tire mallet to get the tire bead into the rim's groove.
- ___ 4. Jerry Miller inflated the tire to 60 pounds.
- ___ 5. Jerry used a small amount of lubricant on the tire bead.
- ___ 6. Jerry adjusted the tire so the valve stem was in the proper place.
- ___ 7. Jerry stood away from the tire while he inflated it.
- ___ 8. Mr. Ford was pleased with Jerry's work.

IV Sentences to Complete

Directions: Below are some sentences. Some words have been left out. Fill in each blank with the correct word from the list.

Word List

adjust	lubricate
applicator	mounting
generous	pried
inflated	seated

- Jerry Miller _____ the bead over the rim edge with the tire irons.
- He used a rubber lubricant to _____ the tire beads.
- Jerry learned the procedure for _____ a tire.
- Jerry dipped the _____ into the lubricant solution.
- He _____ the tire beads on the rim.
- Jerry had to _____ the tire on the rim.
- He used a _____ amount of lubricant on the tire beads.
- He _____ the tire with air to no more than 40 pounds.

V. Vocabulary – Spelling

Directions: The vocabulary words listed in column A have been scrambled. Write the correct letter from column B in each blank space that matches the unscrambled word listed in column B.

Column A	Column B
_____ tfedlnai	a) adjust
_____ dpire	b) applicator
_____ senegruo	c) generous
_____ sjatud	d) inflated
_____ astdee	e) lubricate
_____ utongimn	f) mounting
_____ turcbiela	g) pried
_____ procpitlaa	h) seated

VI. Word Find Puzzle

Directions: Find the following words in the puzzle. Draw a circle around each. They may be going across, down, or on a slant.

Words to Find in Puzzle

adjust
applicator
bead
flange
generous
inflated

lubricate
lubricant
mallet
mounting
pried
seated

M	A	L	L	E	T	A	L	C	Q	U	I	E	Z	B	K
E	O	C	E	G	H	L	U	B	R	I	C	A	N	T	F
J	L	U	N	P	R	T	I	P	Y	P	U	S	Q	O	M
F	L	A	N	G	E	B	D	R	H	J	K	L	I	G	G
M	O	Q	S	T	A	F	H	I	O	L	I	A	X	E	E
Y	M	U	X	T	I	G	A	E	E	A	N	M	D	Y	N
D	B	F	D	C	T	N	L	D	P	S	F	D	R	J	E
U	A	A	N	S	R	K	G	B	T	U	L	E	L	S	R
K	G	L	U	R	A	P	P	L	I	C	A	T	O	R	O
O	I	J	S	M	A	P	U	L	I	C	T	A	O	R	U
E	D	A	N	T	E	B	E	A	D	E	E	E	S	E	S
A	R	I	I	E	R	O	E	O	D	A	D	S	R	A	N
Y	B	K	A	I	R	E	Z	O	R	S	H	B	U	R	
K	L	R	C	I	N	O	O	E	S	O	G	D	H	N	I
O	R	A	Z	R	N	C	U	N	U	T	P	L	S	O	A
H	T	A	R	D	K	O	T	S	A	D	L	R	N	O	L
E	T	I	R	E	I	R	O	N	L	V	I	S	T	N	O

State of New Jersey
Department of Education
Division of Vocational Education

AUTOMOBILE MAINTENANCE READING AND LANGUAGE ACTIVITIES

ANSWER KEY

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Automobile Maintenance – Reading and Language

Activity Book

Answer Key

Lesson 1. A New School

I. Getting the Main Idea

2. X

II. Getting the Meaning from the Context

- | | |
|------|------|
| 1. a | 4. c |
| 2. b | 5. a |
| 3. a | 6. a |

III. True or False

- | | |
|------|-------|
| 1. F | 6. T |
| 2. F | 7. F |
| 3. T | 8. F |
| 4. F | 9. T |
| 5. T | 10. T |

IV. Sentences to Complete

- | | |
|---------------|---------------------------|
| 1. nervous | 5. schedule |
| 2. attended | 6. automobile maintenance |
| 3. several | 7. permanently |
| 4. vocational | 8. homeroom |

V. Find the Missing Letters

1. n e r v o u s
2. v o c a t i o n a l
3. p e r m a n e n t l y
4. a t t e n d e d
5. s e v e r a l
6. s c h e d u l e
7. h o m e r o o m
8. a u t o m o b i l e m a i n t e n a n c e

VI. Word-Find Puzzle

O	M	E	S	C	H	E	D	U	L	E	H	S	T	A	V	W	H	X
A	F	F	J	E	Q	V	R	A	C	O	B	L	P	T	E	O	M	C
H	B	I	K	M	V	S	E	U	M	Y	D	N	C	T	M	X	V	T
A	C	C	E	G	I	E	M	E	O	Q	U	P	N	E	L	J	H	F
R	P	V	D	X	Z	B	R	F	A	H	J	H	R	N	G	E	C	A
S	L	E	M	E	O	O	S	A	D	L	M	O	L	D	E	T	R	P
V	T	B	R	Y	O	K	U	F	L	N	O	O	P	E	I	C	Z	X
A	U	T	O	M	O	B	I	L	E	M	A	I	N	D	E	N	A	N
R	C	F	U	S	A	O	S	M	A	I	N	T	E	N	A	N	C	E
G	L	V	U	T	A	N	I	S	T	A	T	H	O	E	L	R	A	R
C	E	M	C	O	I	N	E	G	Y	E	O	O	B	N	R	V	I	V
O	G	Y	P	L	E	A	E	N	N	M	C	N	T	D	I	O	A	O
I	L	R	S	S	T	B	I	N	T	T	E	N	M	E	S	U	L	U
A	I	O	N	S	C	G	A	E	T	L	E	T	I	D	M	S	I	S
V	O	C	A	T	I	O	N	A	L	L	Y	U	T	B	E	R	C	A

Lesson 2. A New Shop

I. Getting the Main Idea

2. X

II. Getting the Meaning from the Context

- | | |
|------|------|
| 1. c | 5. b |
| 2. b | 6. a |
| 3. a | 7. b |
| 4. c | 8. c |

III. True or False

- | | |
|------|-------|
| 1. T | 6. T |
| 2. F | 7. F |
| 3. F | 8. F |
| 4. T | 9. T |
| 5. F | 10. F |

IV. Sentences to Complete

- | | |
|------------------------|-----------------|
| 1. gasoline pump, fuel | 5. trained |
| 2. hydraulic lift | 6. garage |
| 3. attendant | 7. bays |
| 4. repairman | 8. tire changer |

V. Find the Missing Letters

1. fuel
2. attendant
3. bays
4. trained
5. repairman
6. garage
7. gasoline pump
8. hydraulic lift
9. tire changer

VI. Word-Find Puzzle

A	C	F	U	X	Z	T	B	A	L	F	I	N	T	B	R	P	Y	H	T
D	T	N	R	F	J	U	G	A	R	A	G	E	Y	P	M	F	R	Y	I
P	R	L	I	O	A	A	L	E	E	P	U	E	H	C	F	T	D	R	E
E	A	R	E	R	I	I	S	C	S	O	P	N	E	S	M	T	C	R	E
O	I	A	Y	N	T	N	O	N	H	D	T	A	W	C	A	O	E	A	C
D	N	M	R	H	D	C	L	W	A	I	Z	P	I	L	E	I	U	U	H
C	E	H	E	V	E	A	I	R	O	L	E	Z	B	R	U	Y	C	L	A
M	D	C	Z	E	K	H	N	R	U	S	X	H	L	E	M	N	B	I	N
S	L	P	E	N	D	O	E	T	N	B	U	C	K	I	N	A	G	C	G
I	S	C	Y	O	S	E	P	R	W	R	D	F	R	O	Y	M	N	L	E
N	O	A	L	T	B	D	U	O	I	A	L	I	A	S	M	K	O	I	R
D	R	S	E	C	U	S	M	S	S	B	E	M	P	N	E	Z	A	F	Z
H	J	S	Z	U	V	A	P	E	N	A	F	U	E	L	T	E	H	T	R

Lesson 3. Auto Shop Safety

I. Getting the Main Idea

3. X

II. Getting the Meaning from the Context

- | | | |
|------|------|-------|
| 1. b | 5. a | 9. c |
| 2. a | 6. b | 10. a |
| 3. c | 7. a | 11. b |
| 4. b | 8. c | |

III. True or False

- | | | |
|------|------|-------|
| 1. F | 5. T | 9. F |
| 2. T | 6. T | 10. F |
| 3. T | 7. F | |
| 4. F | 8. T | |

IV. Sentences to Complete

- | | |
|---------------------|---------------|
| 1. poisonous | 6. creeper |
| 2. carbon monoxide | 7. defective |
| 3. caution | 8. injuries |
| 4. flammable | 9. hazards |
| 5. emergency switch | 10. absorbent |

V. Find the Missing Letters

1. f l a m m a b l e
2. c r e e p e r
3. a b s o r b e n t
4. h a z a r d s
5. i n j u r i e s
6. c a u t i o n
7. p r o c e d u r e
8. c a r b o n m o n o x i d e
9. e m e r g e n c y s w i t c h e s
10. p o i s o n o u s
11. d e f e c t i v e
12. s l i p p e r v

VI. Word-Find Puzzle

E	E	R	O	I	P	L	K	J	Z	R	V	N	D	F	H	R	P	
X	M	C	F	L	A	M	M	A	B	L	E	K	P	E	L	A	E	R
O	I	E	I	Z	C	A	L	M	E	F	M	B	E	F	D	Z	X	O
E	C	A	R	B	O	N	M	O	N	O	X	I	D	E	N	A	F	C
S	H	K	P	G	T	X	P	M	Q	U	H	A	U	C	Q	R	I	E
L	N	Z	A	Y	E	L	T	O	V	T	U	R	S	T	W	D	Y	D
I	V	T	S	E	X	N	U	R	B	F	R	S	A	I	O	S	R	U
P	C	J	K	S	R	U	C	T	J	T	E	O	E	V	P	K	Q	R
P	Y	O	B	D	M	A	I	Y	N	K	O	R	V	E	N	D	X	E
E	S	P	N	K	U	R	I	C	S	T	I	B	R	O	A	D	G	V
R	I	L	N	T	D	E	I	O	B	W	R	E	R	M	C	G	E	L
Y	R	U	I	D	C	Y	W	M	N	O	I	N	J	U	R	I	E	S
S	P	O	I	S	O	N	O	U	S	U	K	T	W	B	H	S	A	T
O	N	H	R	Z	X	N	A	V	T	R	L	T	C	L	T	O	I	O
L	Y	I	F	E	I	A	O	F	R	V	O	I	C	H	R	K	N	Z
U	N	E	X	P	E	C	T	E	D	L	Y	C	R	S	E	T	E	I
K	G	O	S	W	N	B	U	X	L	N	T	F	Z	V	R	S	J	K
L	B	C	R	E	E	P	E	R	M	O	W	T	D	C	L	O	H	S

Lesson 4. Cleaning the Interior of a Car

I. Getting the Main Idea

1. X

II. Getting the Meaning from the Context

- | | |
|------|------|
| 1. a | 4. c |
| 2. c | 5. a |
| 3. b | |

III. True or False

- | | |
|------|------|
| 1. T | 5. T |
| 2. F | 6. F |
| 3. F | 7. T |
| 4. T | |

IV. Sentences to Complete

- | | |
|----------------|-------------------|
| 1. whisk broom | 4. vacuum cleaner |
| 2. procedure | 5. storage area |
| 3. interior | |

V. Find the Missing Letters

1. i n t e r i o r
2. p r o c e d u r e
3. w h i s k b r o o m
4. s t o r a g e a r e
5. v a c u u m c l e a n e r

VI. Word-Find Puzzle

T	O	D	W	E	R	A	W	H	I	S	K	B	R	O	O	M	S
V	N	M	O	I	G	U	T	I	N	F	R	N	T	H	O	N	T
I	N	S	T	R	U	M	E	N	T	P	A	N	E	L	I	D	O
N	O	N	U	E	E	Y	N	T	E	L	E	Z	D	G	A	R	R
Y	I	A	T	N	A	N	C	H	R	O	M	E	U	S	A	N	A
L	A	K	I	S	V	D	O	V	I	T	H	L	H	O	N	Y	G
U	E	I	S	A	L	I	C	T	O	K	U	B	D	B	E	N	E
P	A	S	H	T	O	G	S	T	R	O	O	U	Y	A	W	T	A
H	Y	O	F	U	E	G	Z	O	P	A	Q	U	O	G	N	S	R
O	I	P	R	O	C	E	D	U	R	E	N	Y	U	H	P	K	E
L	C	V	N	L	T	P	K	D	Y	S	C	S	Y	I	U	O	A
S	A	I	O	L	D	W	C	O	S	R	A	N	O	A	N	T	T
T	A	V	A	C	U	U	M	C	L	E	A	N	E	R	E	I	M
E	N	S	E	H	N	E	S	A	N	K	M	S	K	E	P	T	U
R	S	T	E	E	R	I	N	G	C	O	L	U	M	N	I	H	E
Y	A	A	K	L	N	H	J	R	B	S	N	T	M	A	Z	S	N

Lesson 5. Washing a Car

I. Getting the Main Idea

3. X

II. Getting the Meaning from the Context

- | | |
|------|-------|
| 1. c | 6. a |
| 2. a | 7. c |
| 3. b | 8. a |
| 4. b | 9. c |
| 5. a | 10. a |

III. True or False

- | | |
|------|-------|
| 1. F | 6. T |
| 2. T | 7. F |
| 3. T | 8. T |
| 4. F | 9. T |
| 5. F | 10. F |

IV. Finding the Correct Order

- | | |
|------|-------|
| 1. c | 6. h |
| 2. f | 7. a |
| 3. d | 8. e |
| 4. b | 9. j |
| 5. i | 10. g |

V. Sentences to Complete

- | | |
|-------------------|--------------|
| 1. solution | 6. grille |
| 2. bucket | 7. sponge |
| 3. owner's manual | 8. rear deck |
| 4. streaks | 9. hood |
| 5. bumpers | 10. towel |

VI. Find the Missing Letters

1. h o o d
2. b u m p e r s
3. t o w e l
4. g r i l l e
5. s p o n g e
6. s o l u t i o n
7. o w n e r ' s m a n u a l
8. b u c k e t
9. s t r e a k s
10. r e a r d e c k

VI. Word-Find Puzzle

I	H	O	O	D	H	L	P	T	W	Z	Q	M	B	I
D	G	J	M	P	Q	R	U	X	R	V	N	U	K	H
D	H	L	S	P	O	N	G	E	M	P	C	Z	X	I
V	E	Y	Q	U	D	F	A	U	Z	K	E	V	K	F
G	B	U	M	P	E	R	S	H	E	J	P	B	N	S
U	C	K	R	X	D	Z	G	T	J	P	Q	Y	O	X
C	O	W	N	E	R	S	M	A	N	U	A	L	E	R
T	I	D	C	R	T	X	B	L	W	C	U	P	B	M
H	W	K	E	R	S	N	I	S	X	T	P	J	Z	N
E	K	R	E	P	A	M	P	U	I	Y	O	G	N	F
L	U	A	T	A	Y	I	D	O	T	M	P	W	F	K
Y	K	K	N	T	E	N	N	F	O	I	L	J	E	T
S	N	A	X	G	R	I	L	L	E	A	O	M	G	L

Lesson 6. Polishing and Waxing a Car

I. Getting the Main Idea

1. X

II. Getting the Meaning from the Context

- | | |
|------|------|
| 1. b | 4. a |
| 2. a | 5. c |
| 3. c | 6. c |

III. True or False

- | | |
|------|-------|
| 1. T | 6. F |
| 2. T | 7. F |
| 3. F | 8. T |
| 4. T | 9. F |
| 5. T | 10. T |

IV. Sentences to Complete

1. manufacturer's directions
2. cheese cloth
3. polish
4. circular
5. wax
6. product

V. Find the Missing Letters

1. manufacturer's directions
2. polish
3. product
4. wax
5. cheese cloth
6. circular

VI. Word-Find Puzzle

M	A	N	U	F	A	C	T	U	R	E	R	S	V	X	W
D	I	R	E	C	T	I	O	N	S	B	O	Q	R	A	P
K	D	L	T	W	H	C	V	C	R	E	A	O	X	U	D
Z	B	P	H	K	M	E	N	W	F	I	X	J	D	L	O
M	V	R	U	C	F	B	E	F	I	N	H	G	H	O	O
D	G	O	E	B	I	J	K	S	K	S	Q	U	P	H	R
J	N	D	K	F	A	Z	Y	L	E	R	E	S	P	U	J
L	A	U	C	K	T	Y	J	F	I	C	H	O	G	B	A
R	E	C	Z	D	P	C	I	R	C	U	L	A	R	O	M
N	A	T	Q	Y	M	S	R	U	V	I	T	O	X	W	S
P	H	D	G	O	I	X	C	O	S	P	F	L	T	U	O
J	N	T	P	M	S	X	A	H	H	L	K	R	Q	H	V

Lesson 7. Changing the Oil

I. Getting the Main Idea

2. X

II. Getting the Meaning from the Context

1. a	4. b	7. a
2. c	5. a	8. b
3. b	6. c	9. a

III. True or False

1. T	6. F
2. F	7. T
3. T	8. T
4. F	9. F
5. T	10. T

IV. Finding the Correct Order

1. h	5. i	9. j
2. d	6. k	10. a
3. g	7. b	11. l
4. c	8. f	12. e

V. Finding the Missing Letters

1. drain can
2. crescent wrench
3. dipstick
4. oil pan
5. crankcase
6. plug
7. oil filler cap
8. circulate
9. idle
10. S. A. E.

VI. Sentences to complete

1. circulate	6. crankcase
2. plug, oil, pan	7. S. A. E.
3. idle	8. dipstick
4. oil filter cap	9. drain can
5. crescent wrench	

VII. Word-Find Puzzle

L	B	E	H	K	O	V	H	O	D	U	I	W	P	L	I	F	C
R	U	Z	A	D	M	P	S	I	V	C	T	Q	N	J	E	E	Q
W	D	M	T	D	O	Q	P	L	U	G	N	R	S	P	S	E	X
G	V	L	Y	R	Z	S	A	F	N	S	M	T	B	A	U	A	F
W	B	F	X	A	T	O	G	I	V	A	H	Q	C	Y	A	Z	E
J	N	D	M	I	P	Q	U	L	I	K	W	K	C	E	J	R	D
S	X	B	C	N	R	C	T	L	E	V	N	E	U	I	Y	B	K
H	L	K	G	C	X	O	F	E	L	A	K	P	J	U	W	N	O
P	J	Y	I	A	M	G	N	R	R	U	V	F	X	Z	C	F	S
X	I	D	O	N	C	T	W	C	I	R	C	U	L	A	T	E	L
H	P	A	H	E	D	J	G	A	S	D	M	L	U	K	W	V	T
O	I	L	P	A	N	Y	A	P	H	Q	L	R	Z	P	A	B	Z
N	T	Y	C	G	L	O	Q	R	I	R	K	E	F	B	X	S	M
D	C	R	E	S	C	E	N	T	W	R	E	N	C	H	J	G	A

Lesson 8. Changing an Oil Filter

I. Getting the Main Idea

3. X

II. Getting the Meaning from the Context

- | | |
|------|------|
| 1. b | 4. b |
| 2. c | 5. c |
| 3. a | 6. c |

III. True or False

- | | |
|------|------|
| 1. F | 4. F |
| 2. T | 5. T |
| 3. T | 6. T |

IV. Sentences to Complete

- oil filter, clogged
- mounted, base
- gasket
- installed

V. Finding the Correct Order

- | | |
|------|-------|
| 1. b | 6. c |
| 2. d | 7. e |
| 3. f | 8. j |
| 4. a | 9. h |
| 5. i | 10. g |

VI. Find the Missing Letters

- installed
- oil filter
- gasket
- base
- clobbed
- mounted

VII. Word-Find Puzzle

L	K	E	C	P	I	R	A	D	B	R	C	R	B	D	B
P	J	P	G	E	P	C	E	T	H	V	I	Y	K	I	D
U	S	B	O	M	O	T	Y	R	U	C	V	O	J	R	K
H	C	B	A	S	N	I	A	L	S	T	L	K	Y	L	I
T	I	L	A	U	N	V	E	I	U	V	L	F	R	P	U
Y	N	O	O	I	L	F	I	L	T	E	R	I	U	T	G
Y	P	M	U	G	T	M	L	N	B	T	N	Y	O	T	R
O	B	P	V	R	G	X	Y	X	S	E	C	A	U	V	T
F	L	A	W	A	I	E	N	X	G	T	G	Z	L	O	O
L	P	Y	S	N	E	I	D	X	O	N	A	O	V	C	G
S	A	K	C	E	J	L	C	A	H	O	H	L	S	I	A
C	E	A	U	N	O	N	O	A	E	F	O	G	L	I	N
T	R	S	U	C	B	M	K	E	T	I	M	M	T	E	L
E	P	L	M	X	T	A	C	K	V	W	E	H	I	T	D

Lesson 9. Lubricating the Chassis

I. Getting the Main Idea

3. X

II. Getting the Meaning from the Context

- | | | |
|------|------|------|
| 1. a | 4. b | 7. a |
| 2. c | 5. a | 8. c |
| 3. b | 6. c | 9. b |

III. True or False

- | | |
|------|------|
| 1. T | 5. F |
| 2. F | 6. T |
| 3. F | 7. T |
| 4. T | 8. F |

IV. Sentences to Complete

- | | |
|--------------------|-------------------|
| 1. lubricant | 5. chassis |
| 2. grease gun | 6. lubricate |
| 3. fittings, seals | 7. injected |
| 4. seep | 8. owner's manual |

V. Finding the Correct Order

- | | |
|------|------|
| 1. d | 5. f |
| 2. c | 6. a |
| 3. e | 7. b |
| 4. g | |

VI. Find the Missing Letters

1. lubricant
2. chassis
3. grease
4. seal
5. seep
6. fittings

VII. Word-Find Puzzle

O	A	C	U	O	Q	W	S	Y	B	S	F	P	Z
C	W	F	B	U	E	W	H	D	F	L	I	R	T
G	I	N	J	E	C	T	E	D	Y	Q	T	N	J
X	O	S	E	A	L	S	B	H	G	Z	T	D	J
L	C	J	X	R	E	D	O	K	G	M	I	K	S
H	U	G	N	T	S	A	F	S	B	T	N	Q	L
E	L	B	I	Q	K	M	J	P	L	Z	G	M	U
J	F	T	E	U	C	H	A	S	S	I	S	Y	B
V	S	V	W	P	W	C	Y	N	X	Q	R	W	R
W	U	G	R	E	A	S	E	G	U	N	P	Z	I
L	B	A	X	O	L	E	I	M	N	A	M	N	C
H	T	C	I	B	R	E	V	D	V	H	L	G	A
U	L	S	K	R	W	?	N	Z	J	K	M	L	N
B	T	A	B	W	I	V	A	Y	H	X	U	K	T

Lesson 10. Mounting a Tire

I. Getting the Main Idea

2. X

II. Getting the Meaning from the Context

- | | |
|------|------|
| 1. c | 5. c |
| 2. b | 6. c |
| 3. b | 7. a |
| 4. a | 8. c |

III. True or False

- | | |
|------|------|
| 1. T | 5. F |
| 2. F | 6. T |
| 3. T | 7. T |
| 4. F | 8. T |

IV. Sentences to Complete

1. pried
2. lubricate
3. mounting
4. applicator
5. seated
6. adjust
7. generous
8. inflated

V. Finding the Correct Order

- | | |
|------|------|
| 1. d | 5. h |
| 2. g | 6. f |
| 3. c | 7. e |
| 4. a | 8. b |

VI. Word-Find Puzzle

M	A	L	L	E	T	A	L	C	Q	U	I	E	Z	B	K
E	O	C	E	G	H	L	U	B	R	I	C	A	N	T	F
J	L	U	N	P	R	T	I	P	Y	P	U	S	Q	O	M
F	L	A	N	G	E	B	D	R	H	J	K	L	I	G	G
M	O	Q	S	T	A	F	H	I	O	L	I	A	X	E	E
Y	M	U	X	T	I	G	A	E	E	A	N	M	D	Y	N
D	B	F	D	C	T	N	L	D	P	S	F	D	R	J	E
U	A	A	N	S	R	K	G	B	T	U	L	E	L	S	R
K	G	L	U	R	A	P	P	L	I	C	A	T	O	R	O
O	I	J	S	M	A	P	U	L	I	C	T	A	O	R	U
E	D	A	N	T	E	B	E	A	D	E	E	E	S	E	S
A	R	I	I	E	R	O	E	O	D	A	D	S	R	A	N
Y	B	K	A	I	R	E	Z	O	O	R	S	H	B	U	R
K	L	R	C	I	N	O	O	E	S	O	G	D	H	N	I
O	R	A	Z	R	N	C	U	N	U	T	P	L	S	O	A
H	T	A	R	D	K	O	T	S	A	D	L	R	N	O	L
E	T	I	R	E	I	R	O	N	L	V	I	S	T	N	O