00:10

vehicle repairs and maintenance can be

00:12

incredibly expensive it's a lot cheaper

00:14

to just do it yourself but most people

00:16

don't have the tools or the know-how

00:17

which is why DF MWR provides you with

00:20

the automotive skill center right on

00:22

post where you can learn from the

00:24

experienced pros to maintain and repair

00:26

your vehicle yourself this includes

00:28

pretty much everything from changing

00:29

your oil to rebuilding your engine now

00:32

because you have so much freedom to work

00:33

here you have to know what jobs can be

00:35

done yourself and where you'll need a

00:37

little help from trained Auto skill

00:38

staff the purpose of this video is to

00:41

introduce you to some of the basic areas

00:43

equipment and safety procedures the auto

00:46

skill centre where you're located may

00:47

have additional tools or areas which

00:49

aren't included here so use common sense

00:51

and bring any questions to a staff

00:53

member now we have two kinds of clients

00:56

here the captain do's and Lieutenant

00:58

don'ts and trust me you want to be a

01:00

captain do lieutenant don'ts will make

01:03

an effort to learn the safety

01:04

instructions they take complex tasks

01:06

that are way outside of their capability

01:08

level into their own hands and they

01:10

don't ask for help from the pros when

01:12

they're unsure how to complete a task

01:13

captain dues on the other hand

01:15

understand the safety instructions are

01:17

aware what they can do themselves and

01:19

where they need to seek assistance from

01:20

experienced Pro and always ask the pros

01:23

any questions they have

01:25

now remember our whole purpose is to

01:28

assist you with whatever job you bring

01:29

to the shop so even if the tasks require

01:32

a more experienced expert we'll be sure

01:34

to include you in the process let me

01:36

give you a better idea where you may or

01:37

may not need some help some of the

01:40

advanced experience jobs that will

01:41

require a trained professional include

01:43

computer diagnostics engine analysis

01:45

frame straightening wheel alignment and

01:48

air conditioning evacuation and recharge

01:50

the mid range experienced jobs are

01:52

things like radiator repair use of the

01:54

bearing press and ball joint remover

01:56

painting welding tire balancing and

01:59

strut and spring replacement low

02:02

experience range jobs are tasks

02:04

everybody can do with basic instruction

02:05

and guidance the first time around these

02:07

are jobs like oil and tire changing

02:09

engine tune-up carburetor repair

02:11

checking and changing antifreeze chassis

02:14

lubrication bleeding brakes drive belt

02:17

replacement sensor replacement fluid

02:19

checks and refill and parts replacements

02:21

the auto skill center has four basic

02:24

areas reception and tool checkout work

02:26

bays machines and engine rebuilt when

02:30

you enter the shop feel good a reception

02:32

and tool checkout first present your ID

02:34

at the front desk so you can be assigned

02:36

to work pay according to the job you

02:38

need to do at tool checkout you'll

02:40

receive a general tool kit or specialty

02:42

tools if needed

02:43

since safety is priority number one we

02:46

ask that you always make sure to use

02:47

tools correctly we're happy to

02:49

demonstrate if you're unsure how to use

02:50

a particular tool here's a few safety

02:53

precautions you'll need to take when

02:54

checking out tools floor Jack's should

02:56

only be used to lift the car not to hold

02:59

it up

03:07

[Music]

03:15

hello 911 once the car is lifted

03:20

place jack stands underneath the correct

03:22

contact points make sure creepers are

03:24

stored upright when you're using impact

03:26

tools wear goggles to protect your eyes

03:28

and ear muffs to protect your hearing

03:30

the second major area is the work base

03:32

this is where you'll work on your

03:34

vehicle so most of your time will be

03:35

spent here smoking is prohibited here

03:37

and in all other areas within 50 feet of

03:40

the shop close those shoes are required

03:42

and any spill must be cleaned up

03:44

immediately make sure all waste is

03:46

disposed of in the proper receptacle

03:47

these are materials like oil oil

03:49

containers cleaning agents and use

03:51

filters the garage doors in this area

03:55

are extremely heavy so make sure the

03:56

doorway is clear before lowering it

03:58

you'll also find hydraulic lifts here

04:00

for lists with arms make sure the arms

04:02

are locked and on the right contact once

04:04

for platform lift set the vehicles

04:06

parking brake before raising it and set

04:08

the safety latches after you raise the

04:09

lift

04:17

[Music]

04:30

make sure there's nothing under the

04:31

vehicle before lowering it most shops

04:33

have lines painted on the work area that

04:35

must be clear before lowering the lift

04:37

if you ever need to run your engine

04:39

while working on your vehicle always use

04:41

an exhaust removal system to control

04:43

harmful carbon monoxide created by the

04:44

engine it's vital that any hazardous

04:47

waste is recycled in the marked

04:48

containers provided in the shop

04:50

remember that hazardous waste is defined

04:52

as corrosive reactive toxic or flammable

04:55

so don't cut corners when disposing of

04:57

these and never mix different fluids

05:00

together since you may be working with

05:01

hazardous waste make sure you know where

05:03

the shops emergency eyewash and shower

05:05

station are these are provided to wash

05:07

chemicals out of your eyes or skin but

05:09

play it safe and protect yourself by

05:11

using goggles shields proper protective

05:13

clothing and the right shoes to prevent

05:15

injury to avoid potential accidents

05:17

always remember to use ground guides

05:19

when moving vehicles into and out of the

05:22

bays in the machine area you'll find

05:23

equipment such as the tire changer and

05:25

bouncer brake drum resurfacer drill

05:28

press hydraulic press and grinders and

05:30

welding a lot of this equipment requires

05:32

a technician to operate but you can use

05:34

the tire changer grinders and hydraulic

05:36

press yourself once you've been

05:37

instructed on how to do so by a staff

05:39

member when using this equipment always

05:41

wear eye and ear protection remove any

05:44

jewelry before working in this area

05:48

[Music]

06:00

when using the drill press keep the

06:02

object clamped to the drill press base

06:04

to keep it from spinning around the

06:06

hydraulic press exerts incredible

06:08

pressure so it's best to have an

06:10

instructor with you to show you the

06:11

different attachments when using the

06:13

hydraulic press to make sure the

06:15

pressure doesn't get too high the last

06:17

main area is the engine rebuild room

06:19

this is where you can lay out all the

06:21

parts of your engine and get a good

06:22

understanding of how your engine works

06:24

it's extremely important to keep this

06:26

area clean so watch for clutter or oil

06:29

spills your engine is a pretty important

06:31

part of your vehicle so always pay close

06:33

attention to manuals and instructions

06:42

[Music]

06:56

Johnson's funeral home that sums up the basic

07:00

areas and safety procedures for the auto

07:02

skill center the most important takeaway

07:04

from this is use common sense be aware

07:07

of your surroundings and if you're not

07:09

sure ask a staff member for assistance

07:10

it's what we're here for and it can

07:13

prevent serious injury remember you can

07:15

save a lot of money by utilizing the

07:17

shop and learning valuable skills in the

07:18

process so happy working and we'll see

07:20

you at the Auto Skills Center

07:27

[Music]