Controls - Cockpit Drill

Word Picture

Introduction

Set the aims & objectives for the lesson

Ensure pupil has seatbelt on, feet away from dual controls

Instructor drives to site (at Part 2 standard!)

On the way to site cover; Steering, Indicators & Starting procedures

Q&A 'break the ice' examples:

Why are you learning to drive?
Any driving experience?
Are you studying for Theory and Hazard Perception test?

Briefing at site...

Explain how to *SAFELY* swap seats

Cockpit Drill

Doors	Closed? Driver's Responsibility Safety before opening Check handbrake up Gears in neutral
Seat	Height adjustable (eye level half way up windscreen) Base (slight bend at knee *without* stretching) Back (slight bend at elbow *without* stretching) Head restraint
Steering	10 to 2 or ¼ to 3 Free movement around the steering wheel Grip (about same pressure as holding an egg) (adjustable – clear view of dials)
Seatbelt	Laws Responsibility How to put on Height adjustable How to remove Explain how it works (Inertia Reel)
Mirrors	Minimum head movement How to adjust No fingerprints Flat / Convex Anti dazzle

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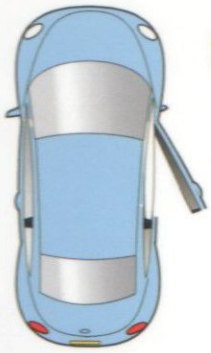
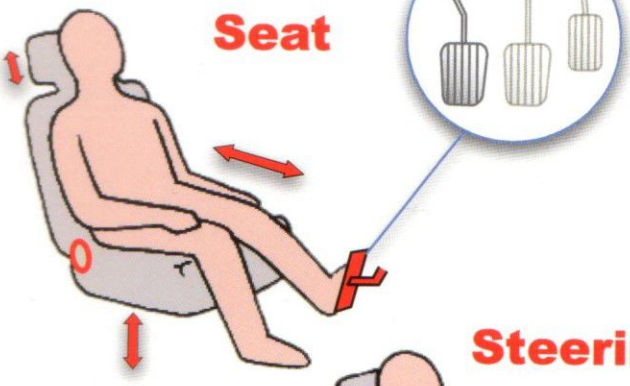
COCKPIT DRILL

DSSSM



Doors

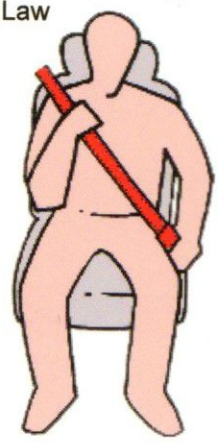


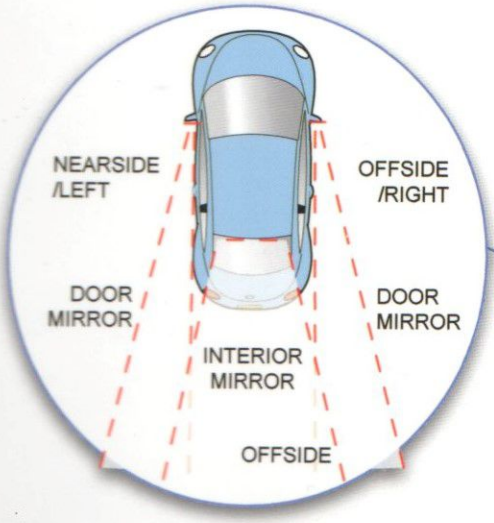
Seat

Steering

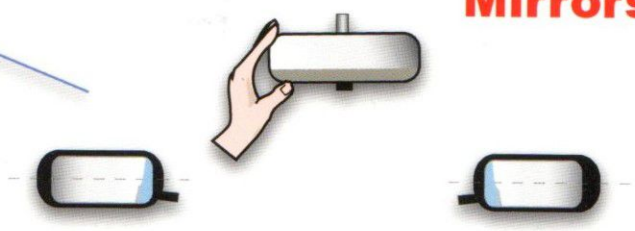
Seat Belt

Law





Mirrors



Controls - Left Foot

Foot Controls

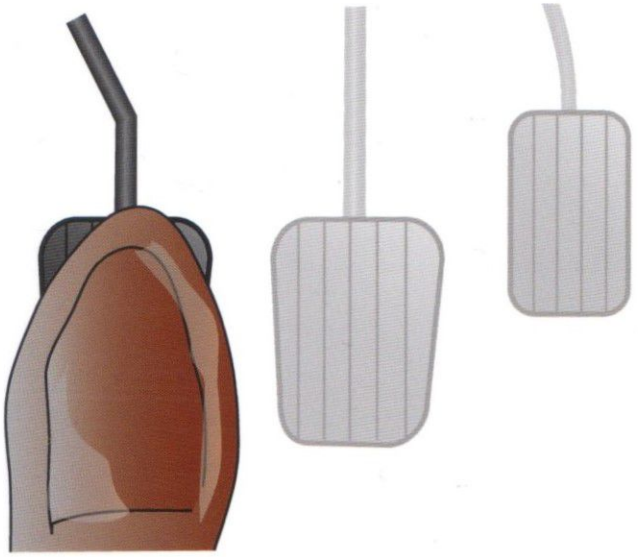
What it is	**Clutch**
What it does	Connects engine plate to gearbox plate
How it works	Down - plates separated Lift up - brings plates together Biting Point (explain)
How to use it	Quickly down / Slowly up Left foot Keep heel on the floor Rest foot when not using pedal

Help pupil to practice using the clutch

Instructions	***Explain what is meant by:*** "Cover the clutch" "Clutch down" "Slowly clutch up" "Find the biting point" "Feet still"

CONTROLS - Left Foot

Clutch pedal



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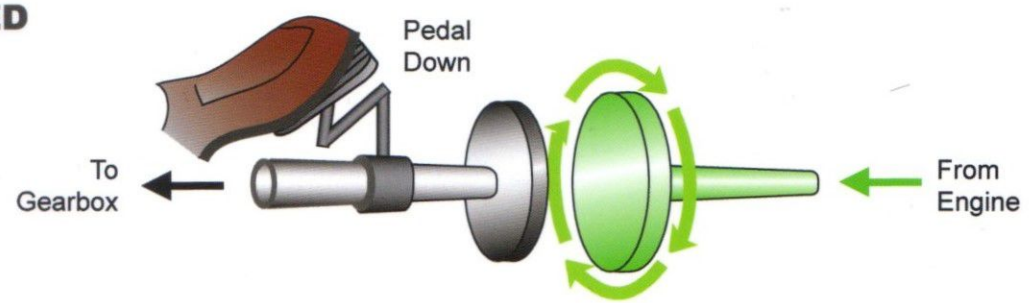
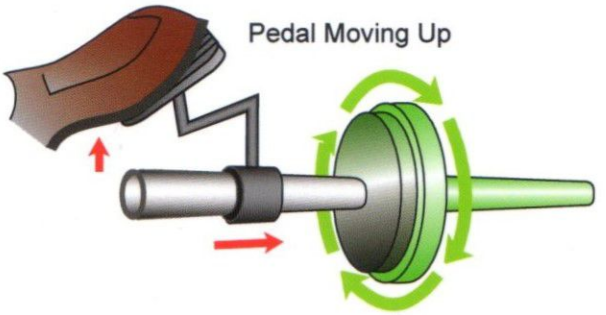


BITING POINT

LISTEN to the engine
FEEL the movement of the car



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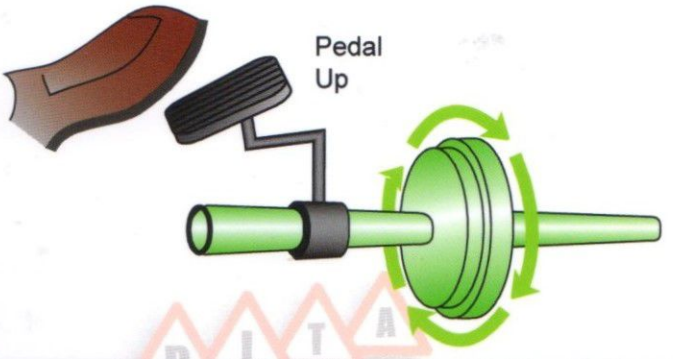


Controls - Right Foot

Foot Controls

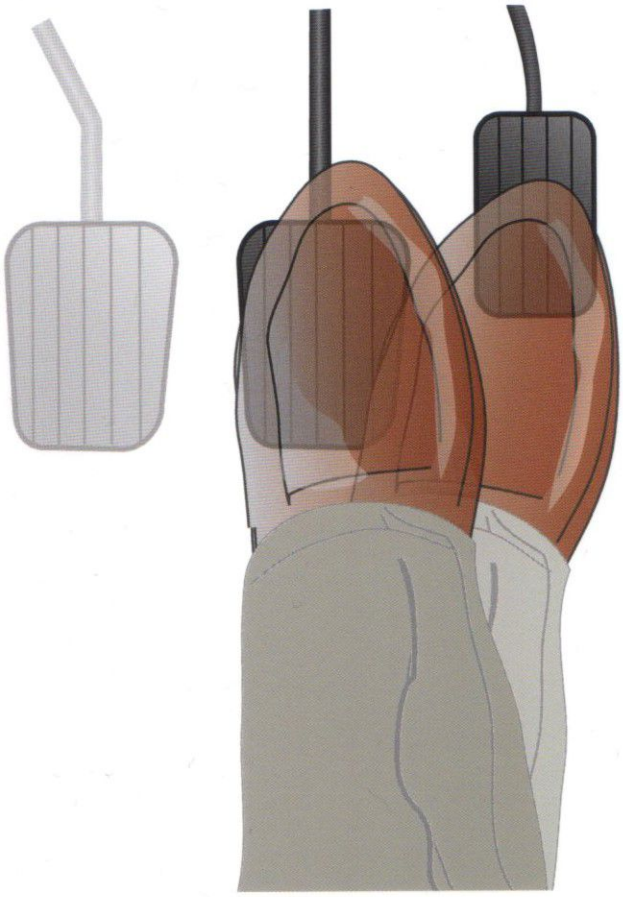
	Footbrake	Accelerator/Gas
What it is	**Footbrake**	**Accelerator/Gas**
What it does	Slow down/Stop	More/Less power
How it works	On all 4 wheels Brake lights	Release fuel/air into engine
How to use it	Right foot Gentle/Progressive Pivot between pedals	Right foot Gentle/Progressive Pivot between pedals

Help pupil to practice using the footbrake and accelerator

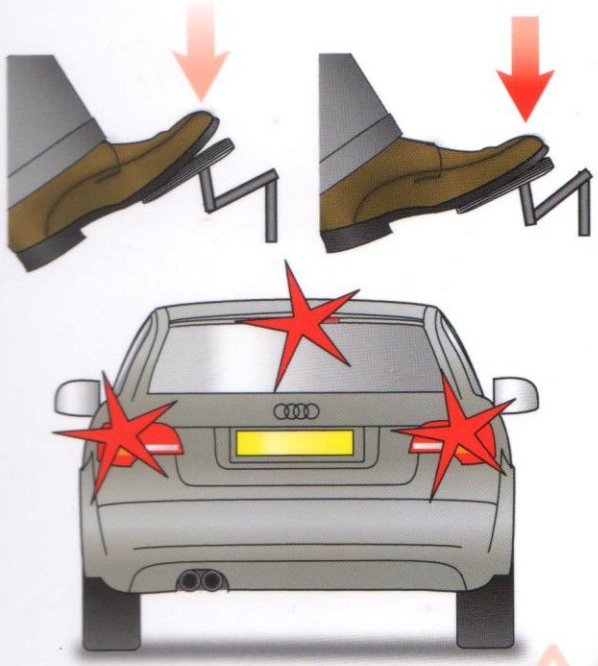
Instructions	***Explain what is meant by:*** "Cover the brake" "Gently brake" "Off the brake" "Feet still" **Auto** "Press the brake pedal and hold it down"	***Explain what is meant by:*** "Set the gas" "More gas" "Off the gas" "Feet still"

CONTROLS - Right Foot

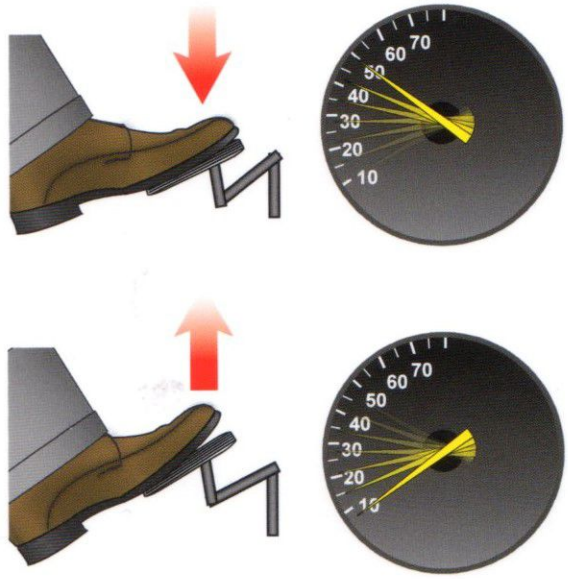
Brake & Accelerator (Gas) pedal



Brake



Accelerator (Gas)



Controls - Hand

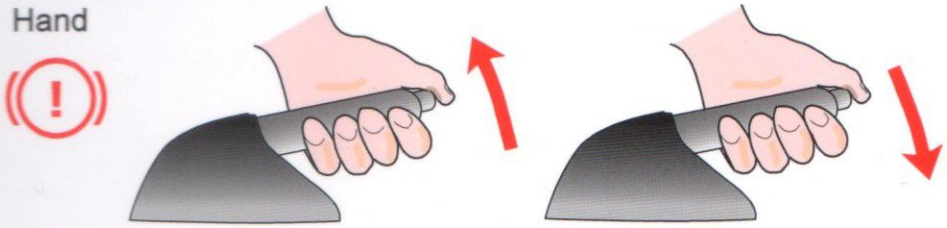
Hand Controls

What it is	Handbrake Parking Brake	Gear Lever	Steering Wheel
What it does	Secures car	Selects the gears	Controls direction of vehicle
How it works	Locks rear wheels	**Low gears:** less speed - more power **High gears:** more speed - less power Spring loaded (explain)	Turns the front wheels
How to use it	Push button in to raise or lower (refer to vehicle handbook)	**Manual** Clutch down Spring loaded 'Palming Technique' Practice without looking down **Auto** Depress the brake Use button on lever (depends on vehicle) Practice without looking down	'Pull/Push' Look where you want to steer (hands will follow eyes)
Instructions	***Explain:*** "Handbrake down" "Handbrake up" "Secure the car"	***Explain:*** **Manual** "Cover the gear lever, palm facing me (thumb down)" "Cover the gear lever, palm facing you (thumb up)" "Select..... gear" **Auto** "Press the button, select..... gear"	***Explain:*** **Shallow turns** "Steer ... minutes left" "Steer ... minutes right" **Sharp turns** "Pull / push left" "Pull / push right"
'Minor' Controls	Indicator – use fingertips only Wipers Speedometer Starting procedures		

CONTROLS - Hand

Parking Brake

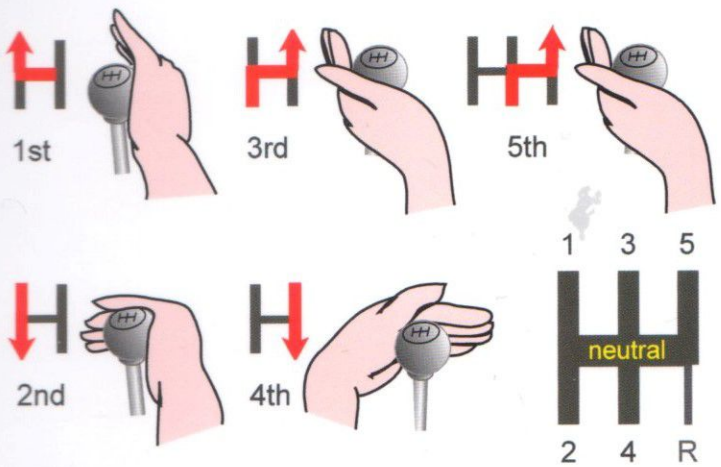
Hand



Electronic

Gear Lever

Manual

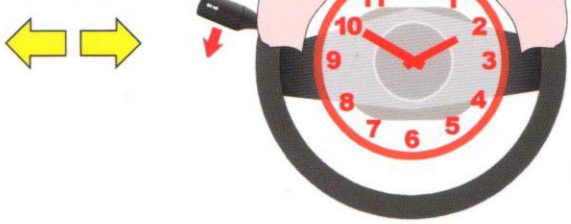


Auto

Parking
Reverse
Neutral
Drive
2nd Gear
Lower / 1st Gear

Steering Wheel

Indicator



Ignition

Minor Controls

Lighting controls, washers, wipers, dials, gauges, warning lights