Subject No. 3

Pre-Driving Orientation on Motorcycle and Tricycle (DL Codes A & A1)

Subject Code: TDC-15-S-03

Topic Outline:

1. Common types of motorcycles as to its operation
2. Essential Components and Parts
3. Maintenance
4. Starting and Moving
5. Proper Shifting
6. Braking
7. Safety Tips and Reminders
8. Loading and Unloading
9. Other Motorcycle/Tricycle Regulations

CLASSIFICATION OF MOTORCYCLES

FULL AUTOMATIC CLUTCH

SEMI AUTOMATIC CLUTCH

MANUAL CLUTCH

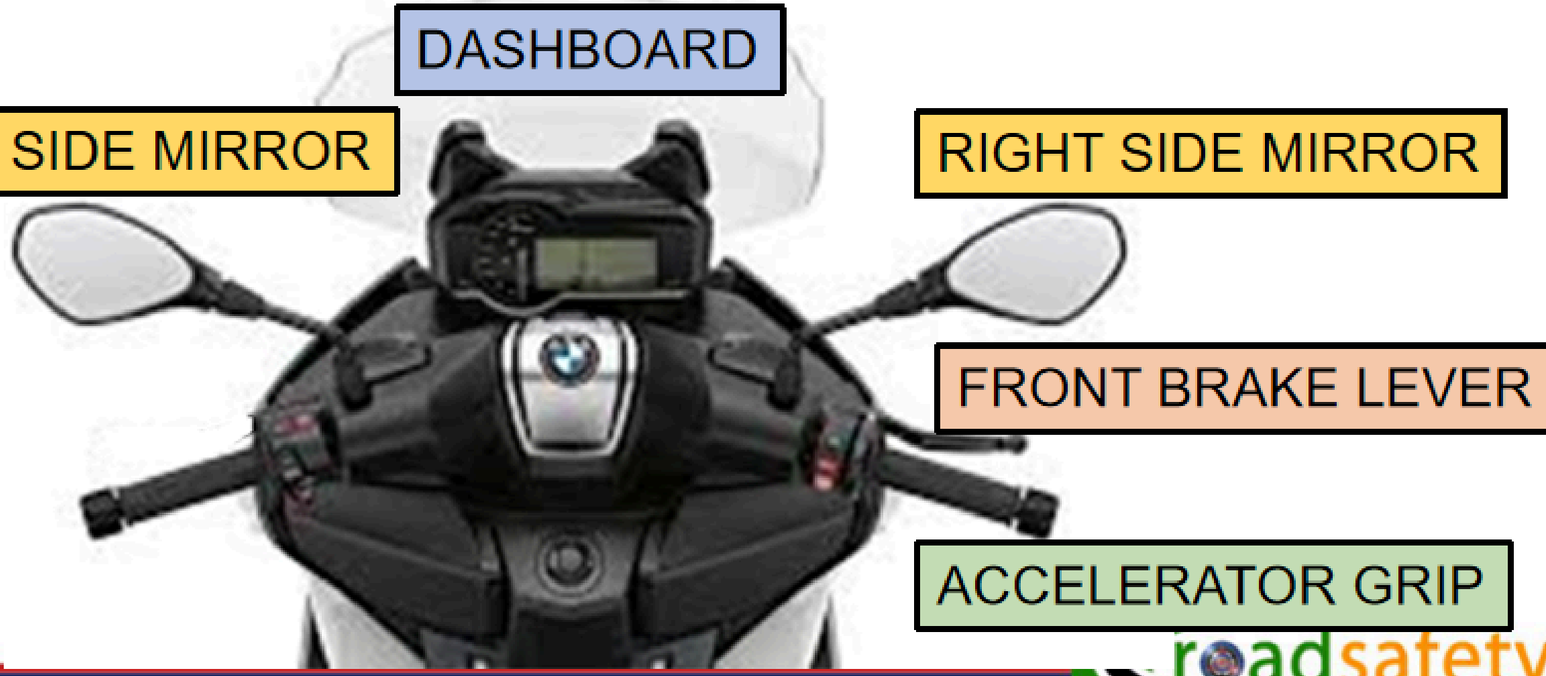
HANDLE BAR: FULL AUTOMATIC

roadsafety is a SHARED responsibility.

HANDLE BAR: SEMI AUTOMATIC

REAR WHEEL FOOT BRAKE PEDAL

Clutch Pedal



roadsafety is a SHARED responsibility.

HANDLE BAR: MANUAL TRANSMISSION

REAR WHEEL FOOT BRAKE PEDAL

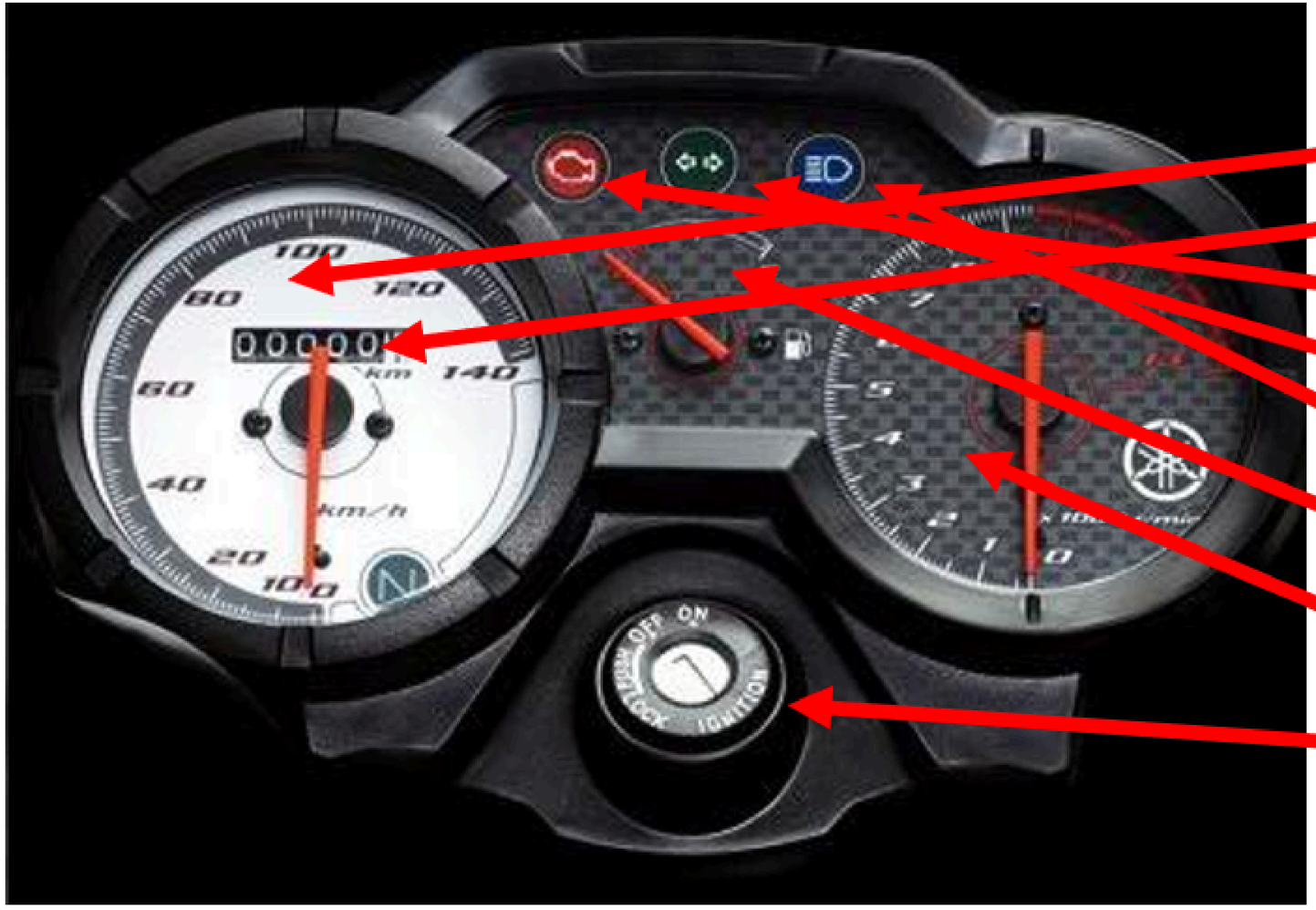
roadsafety is a SHARED responsibility.

MOTORCYCLE REAR BREAK PEDAL

RIGHT FOOT - BRAKE PEDAL

roadsafety is a SHARED responsibility.

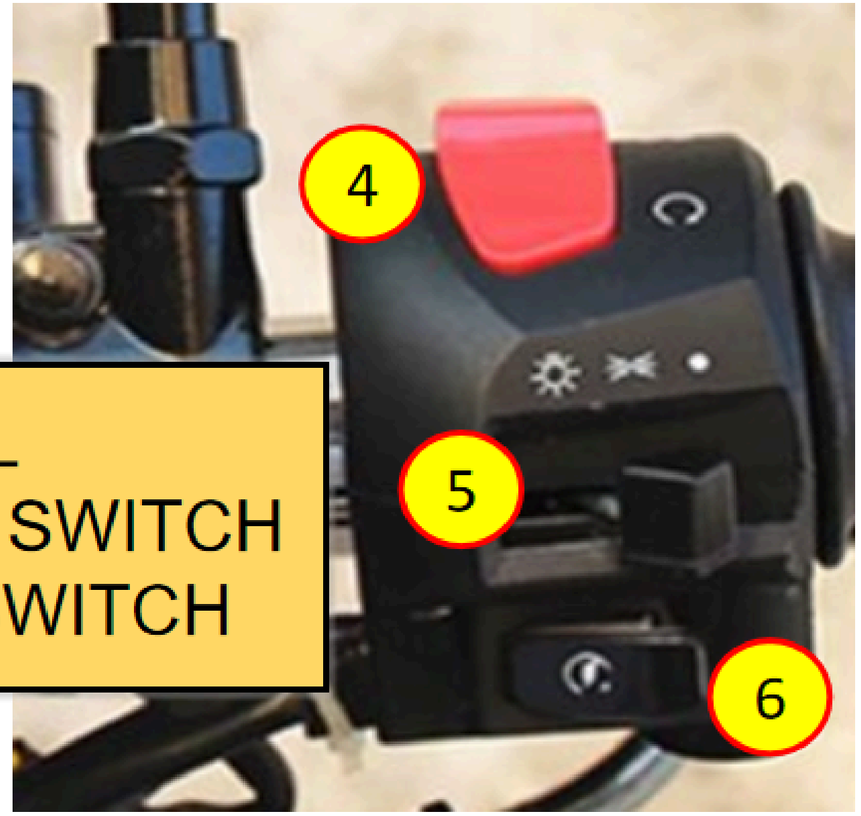
MOTORCYCLE DASHBOARD ANALOG



SPEEDOMETER
ODOMETER
ENGINE CHECK
DESTINATION
HEADLIGHT
FUEL GAUGE
TACHOMETER
IGNITION SWITCH

roadsafety
is a SHARED responsibility.

MOTORCYCLE COMMON SWITCHES



4. ENGINE KILL
5. HEADLIGHT SWITCH
6. STARTING SWITCH

1. HIGH AND LOW HEADLIGHT SWITCH
2. HORN SWITCH
3. TURN SIGNAL SWITCH

CLASSIFICATION OF BRAKES

DISC BRAKE

DRUM BRAKE

roadsafety
is a SHARED responsibility.

DRIVERS

CHAIN

BELT

PROPELLER

STANDS

SIDE STAND

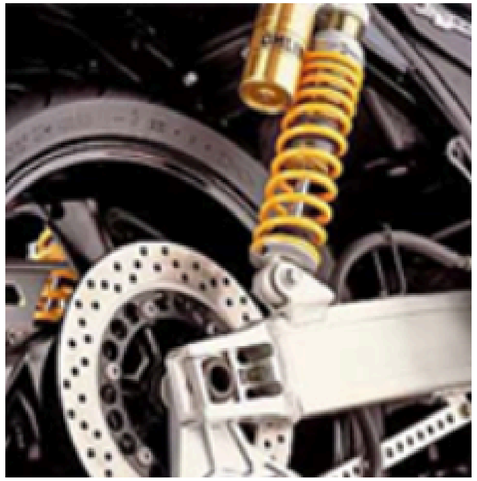
CENTER STAND

PADDOCK STAND

roadsafety
is a SHARED responsibility.

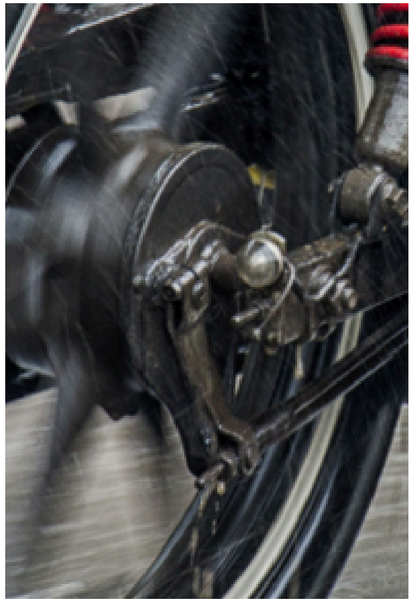
MAINTENANCE

FRONT FORK



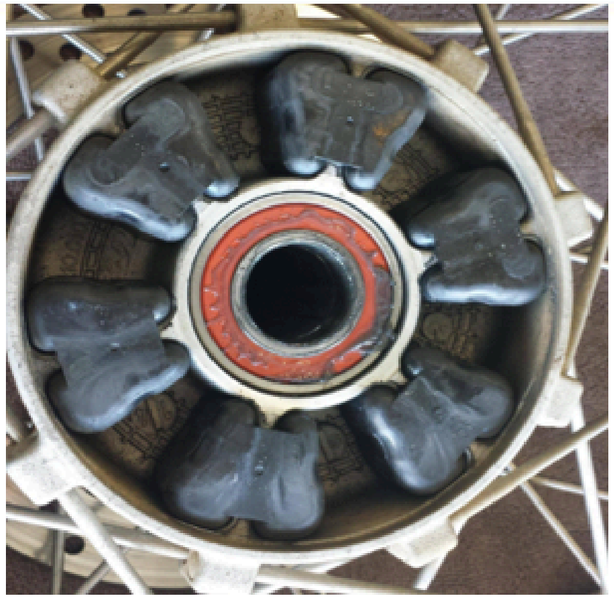
REAR SUSPENSION

DRIVE CHAIN



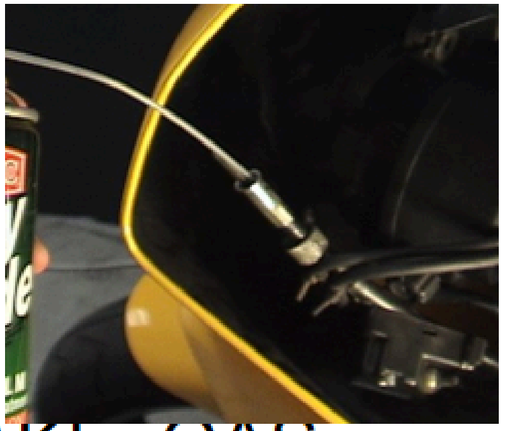
REAR AND FRONT BRAKES

MAINTENANCE

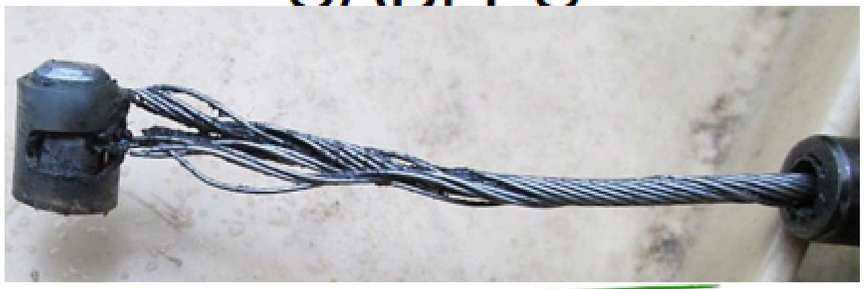


RUBBER DAMPER

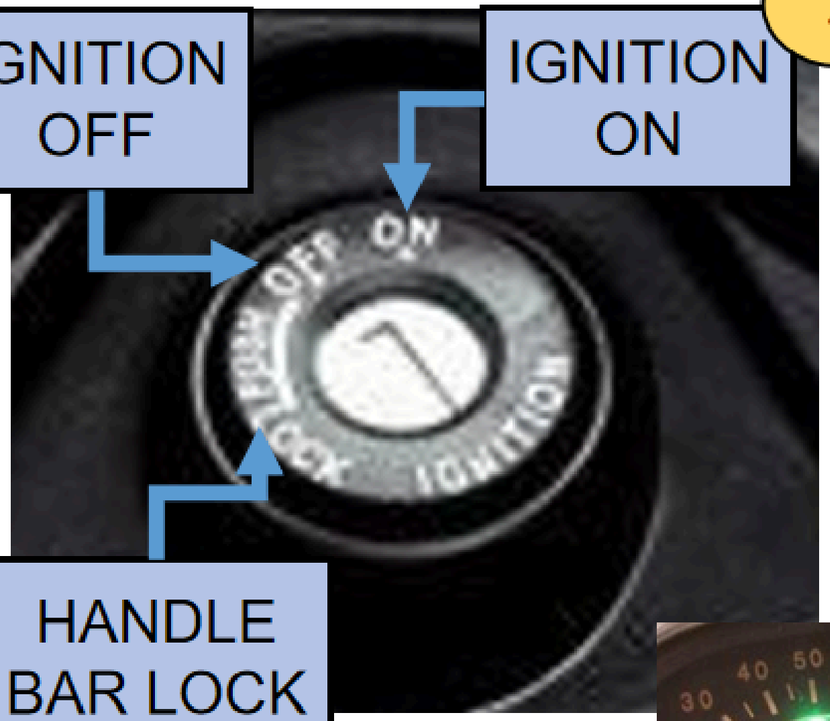
SPROCKETS

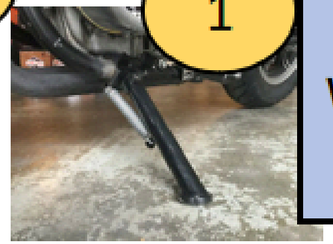


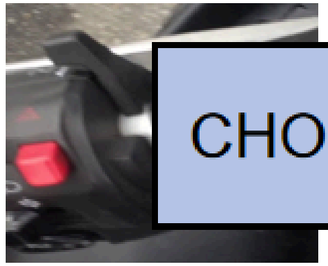
BRAKE, GAS AND CLUTCH CABLES



STARTING

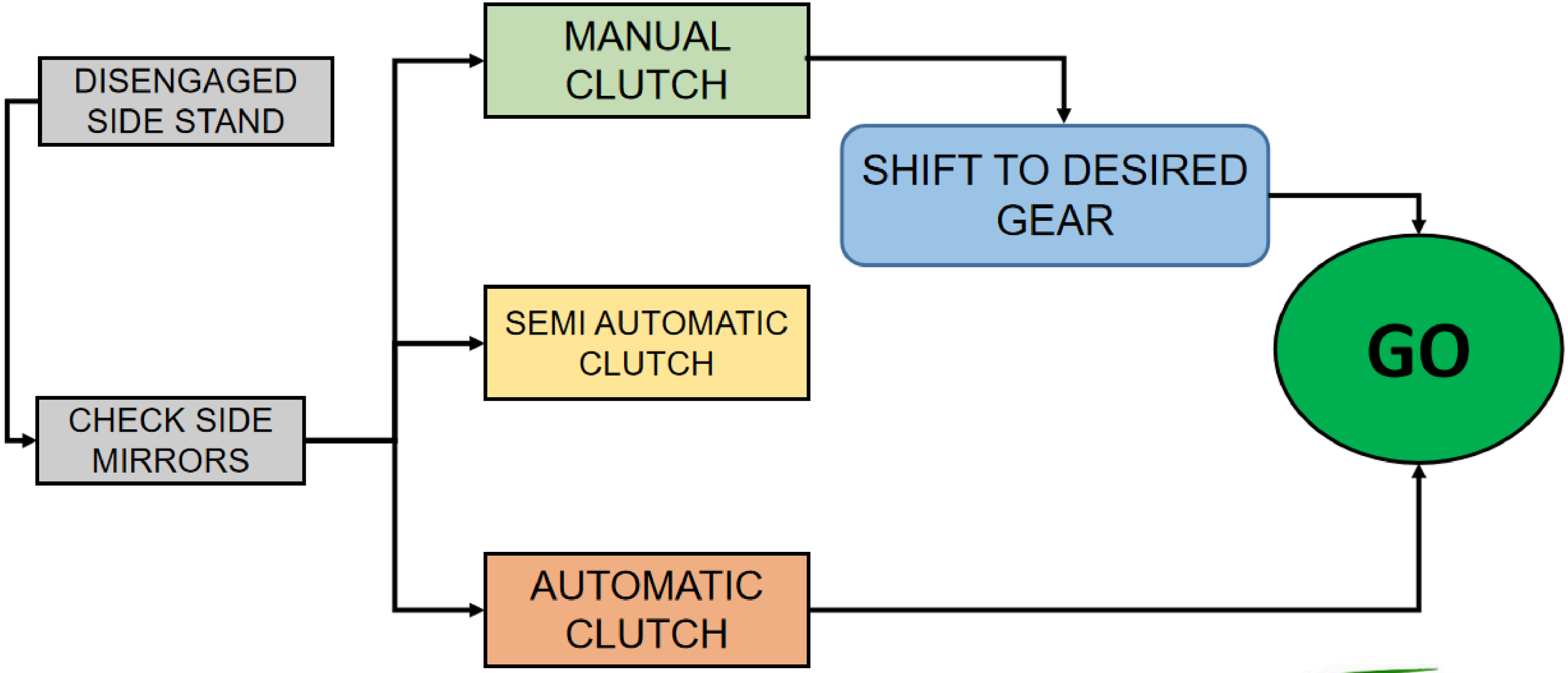






roadsafety is a SHARED responsibility.

MOVING



roadsafety is a SHARED responsibility.

PROPER SHIFTING

Manual Clutch

- Squeeze the clutch lever "IN"
- Shift to the desired gear
- Slowly Roll "ON" the throttle while slowly releasing the clutch lever

Note: Shift to first gear when moving off

Semi Automatic Clutch

- Shift to the desired gear
- Slowly roll "ON" the throttle

Note: Shift to first gear when moving off

Full Automatic Clutch

- Slowly roll "ON" the throttle

AVOID ABRUPT SHIFTING OR ABRUPT RELEASE OF CLUTCH LEVER

BRAKING

Manual Clutch and Semi Automatic Clutch

- Release the throttle
- Simultaneously squeeze “ON” the hand brake and the pedal brake

Be aware of speed, shifting gear may be required (refer to PROPER SHIFTING)

Full Automatic Clutch

- Release the throttle
- Simultaneously squeeze “ON” the hand brakes

MAKE READING A HABIT

Significance of Reading the Vehicle's Manual: The Safety Pre Driving Method

SAFETY CHECKS

- Regularly check for brake adjustment
- Check all cables (brake, clutch and throttle)
- Check for any leaks on engine oil and brake fluid
- Adjust the side mirrors before moving off and not while moving
- Avoid downhill parking
- Use appropriate safety gadgets
- Use center stand whenever possible
- Know the proper hand signals and use it religiously

SAFETY CHECKS

- Follow the special laws (ra 10054, ra 10666, ra 11235)
- Use the proper and authorized helmet only
- Use safety gadgets (gloves, jackets, driving shoes, driving pants)
- Do not modify the motorcycle against the regulations (lights, body, mufflers)
- Follow the top box and saddle bags regulations
- Always use the proper hand signals
- Only one (1) passenger for motorcycle

REMEMBER!!

STATISTICS SHOWS THAT 52% OF ROAD CRASHES INVOLVES MOTORCYCLE

FOLLOW THE RULES ON OVERTAKING

roadsafety
is a SHARED responsibility.

OVERTAKING OR CHANGING OF LANE

- Signal your intention.
- Make sure that you have enough power and speed when trying to overtake.
- Avoid eye-to-eye contact while overtaking.
- Do not force the issue. Give way if in doubt.
- Follow the rules on OVERTAKING AND CHANGING LANE under R.A. No. 4136.

OVERTAKING OR CHANGING OF LANE

- Common violations when OVERTAKING AND CHANGING LANE resulting to Road Crash

- Failing to signal intention
- Disregarding pavement markings that divides the direction of traffic ("counterflow", straddling)
- Habitual and reckless changing of lanes
- Overtaking on the right of a vehicle even if it is not clear
- Overtaking at an intersection
- Overtaking while turning
- Disregarding traffic signs and signals

SAFETY TIPS WHILE DRIVING

- Never follow or guide an emergency vehicle (e.g. Ambulance)
- Never play with the handle bar
- Never play with the brakes or signal lights
- Never rev up at a STOP line
- Never stare at anyone, concentrate on the road
- Follow the rules on RIGHT OF WAY under RA 4136

LOADING AND UNLOADING

LOADING

- Ideally, the weight of the rider must not be less than 1/3 of motorcycle and additional load.
- Make sure that the load is properly secured.
- Advise the passenger to follow the driver's body at all times.
- Advise the passenger to hold tight while the motorcycle is moving.
- Advise the passenger not to remove the feet from foot pegs except when dismounting.

UNLOADING OR DISMOUNTING

- Passenger first
- Avoid unloading passenger on a downhill

LOADING AND UNLOADING

Common Loading and Unloading Violations

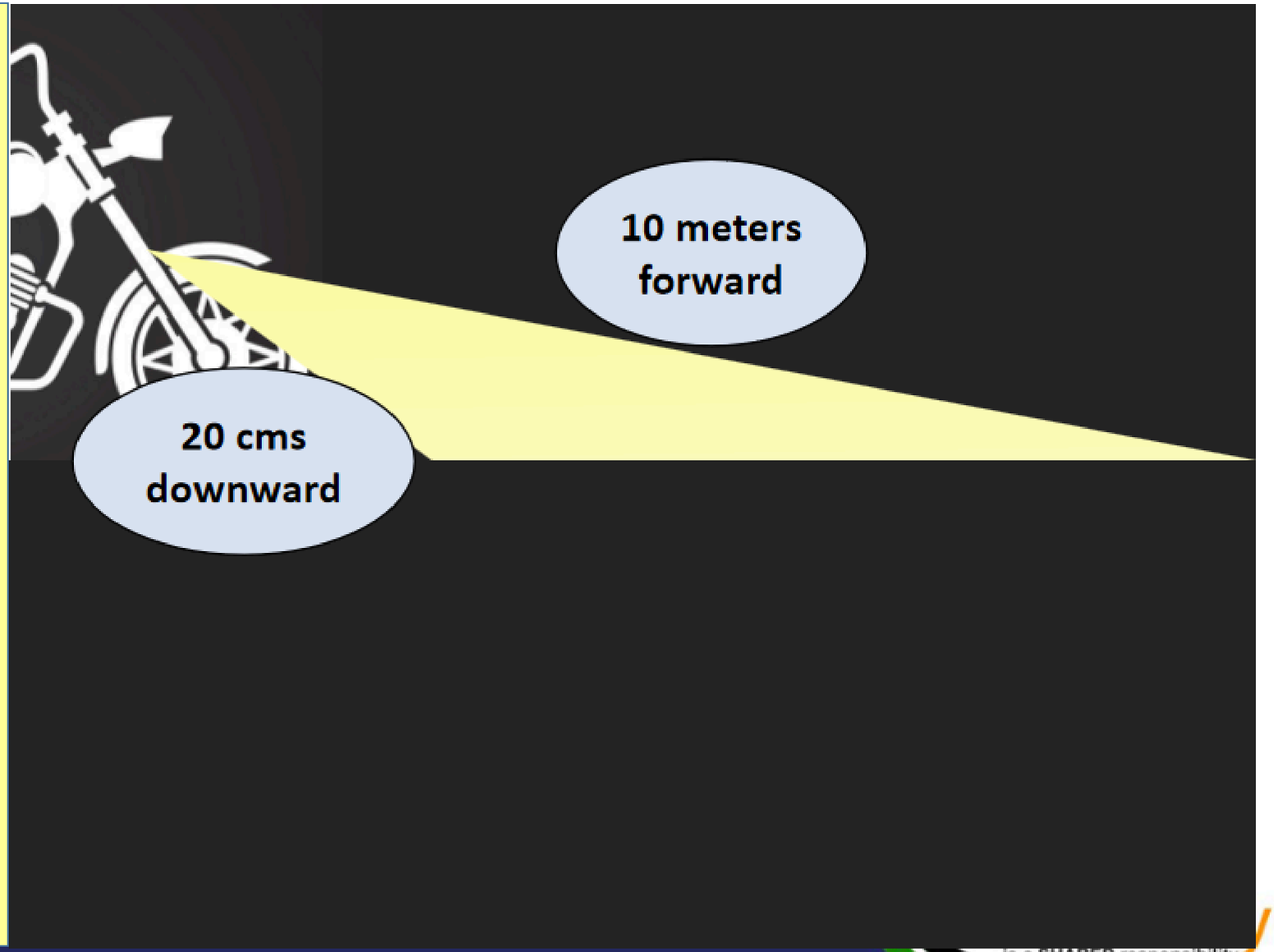
LOADING AND UNLOADING

Common Loading and Unloading Violations

OTHER MOTORCYLE REGULATION

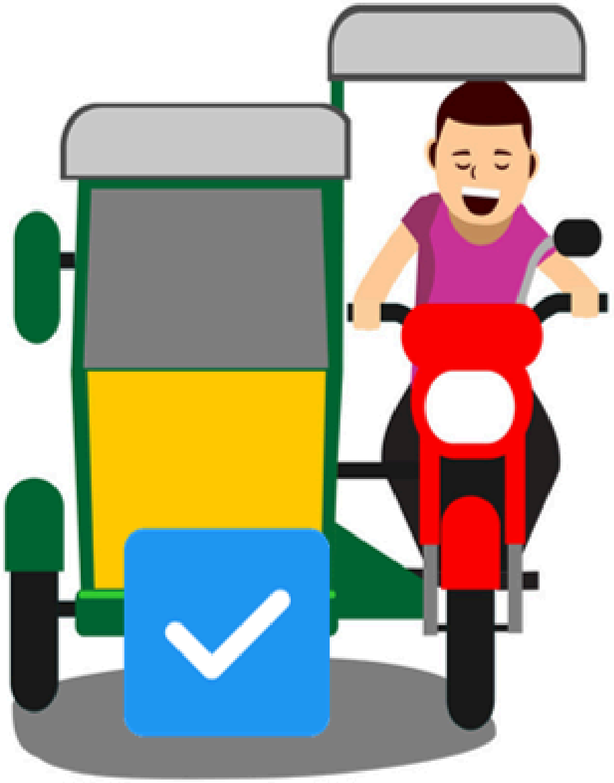
AUXILIARY HEADLAMPS (LED)

1. Separate switch
2. Light must be pointed rightward
3. White or yellowish white light
4. No vibration
5. Not to be used when driving on well lighted street or when approaching oncoming vehicles
6. Up to two (2) lamps only
7. Up to six (6) bulbs per lamp only
8. Light must be directed 20 cms downward at 10 meters forward
9. Lamp must not be higher than handle bar
10. Must not be used in lieu of headlamp



SECTION 10

LIMITS OF OPERATION



Generally, tricycles are authorized to operate on any road within the municipality. However, they are prohibited to operate along the national highway or on any road which allows a maximum speed greater than 40 KPH, especially on well-paved, high speed roads, unless special tricycles/bicycles lanes on the shoulder are provided, except to cross.

In the case of cities or densely populated centers, they may travel within the city or municipality subject, to the conditions set forth in the immediately preceding paragraph. However, the Sangguniang Panlungsod may limit and fix the routes by adopting a scheme of boundaries as they may heretofore impose.

3.1 (b) On the Granting of Franchises to Tricycles

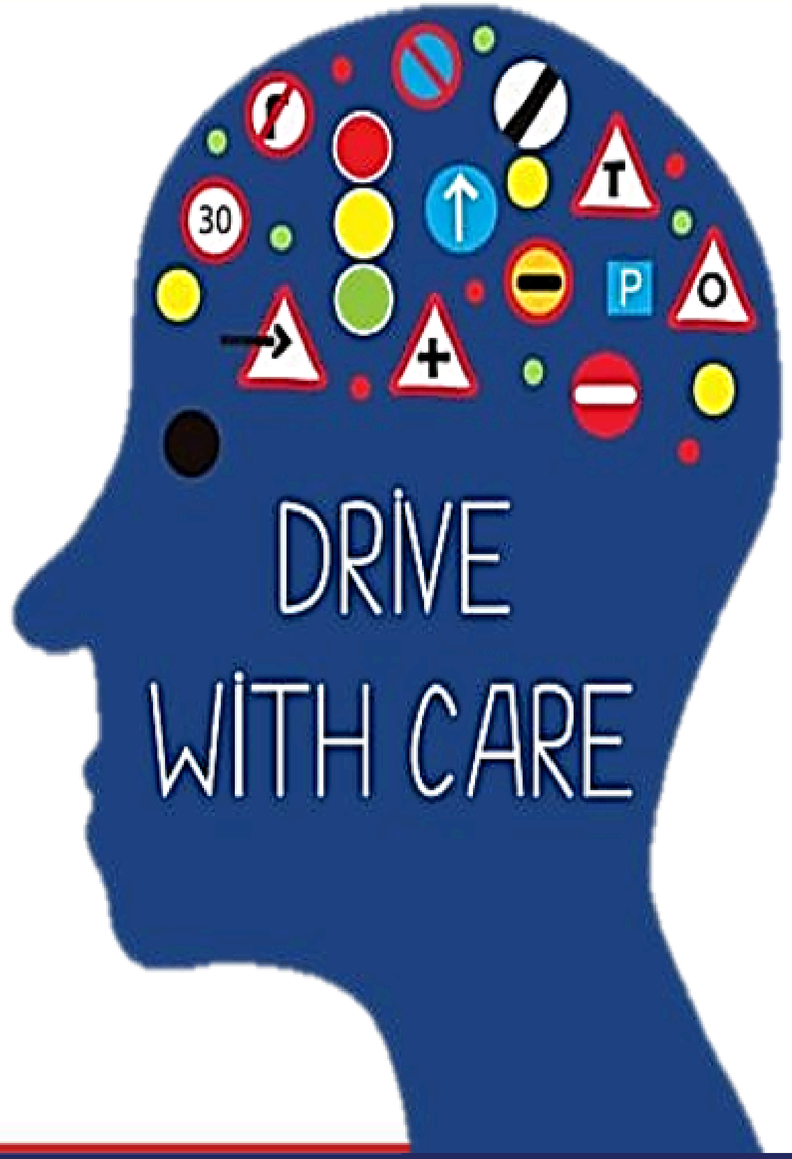
Tricycle operation should only be confined along city or municipal roads, not along national roads.

Operation is limited only to routes not traversed by higher modes of public transport.

EXCEPTION: Local Sanggunian may allow if there is no other alternative route.

OPERATING CONDITIONS: Zones.

“You look with your EYES and see with your MIND.”



THANK YOU

DRIVE SAFELY!