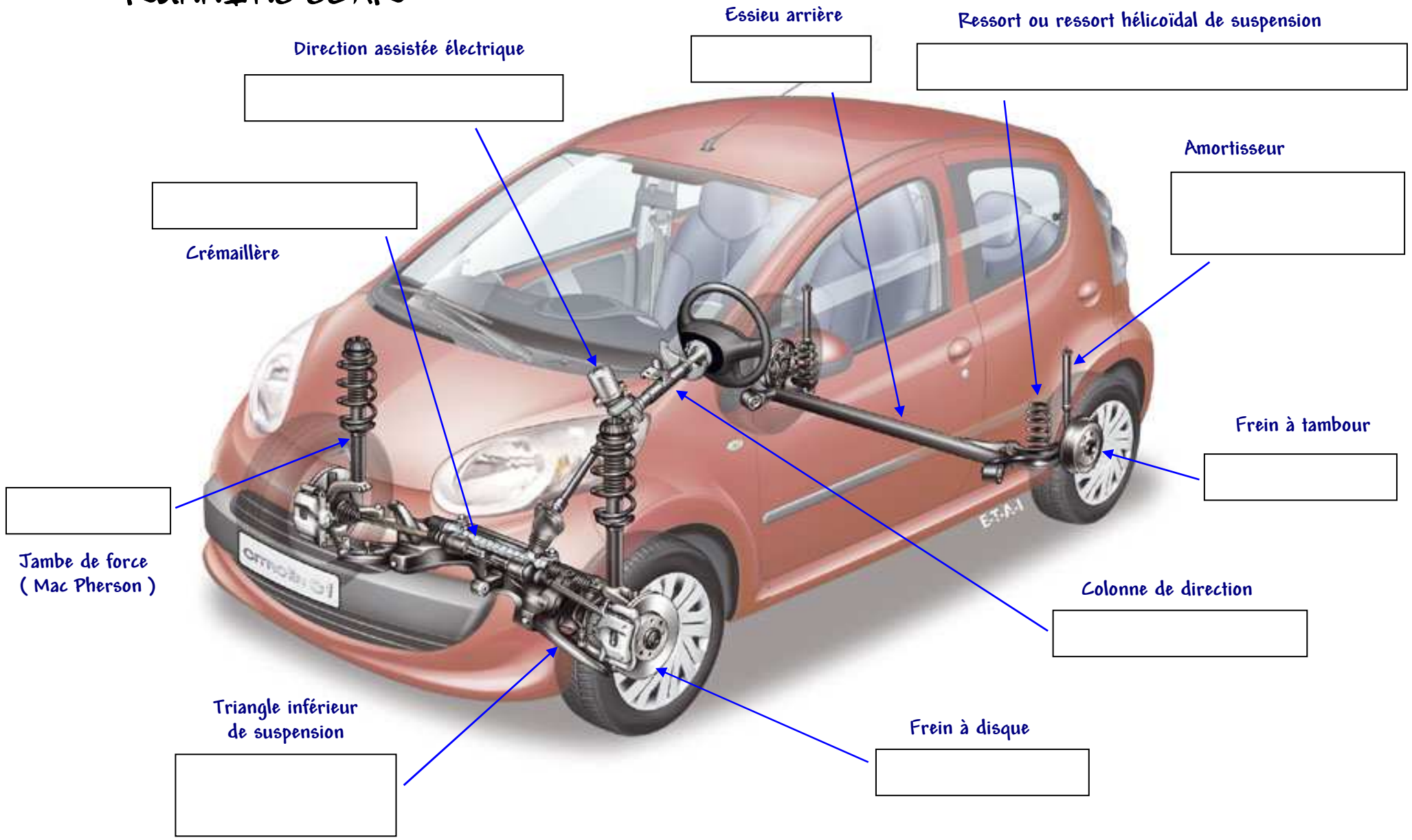


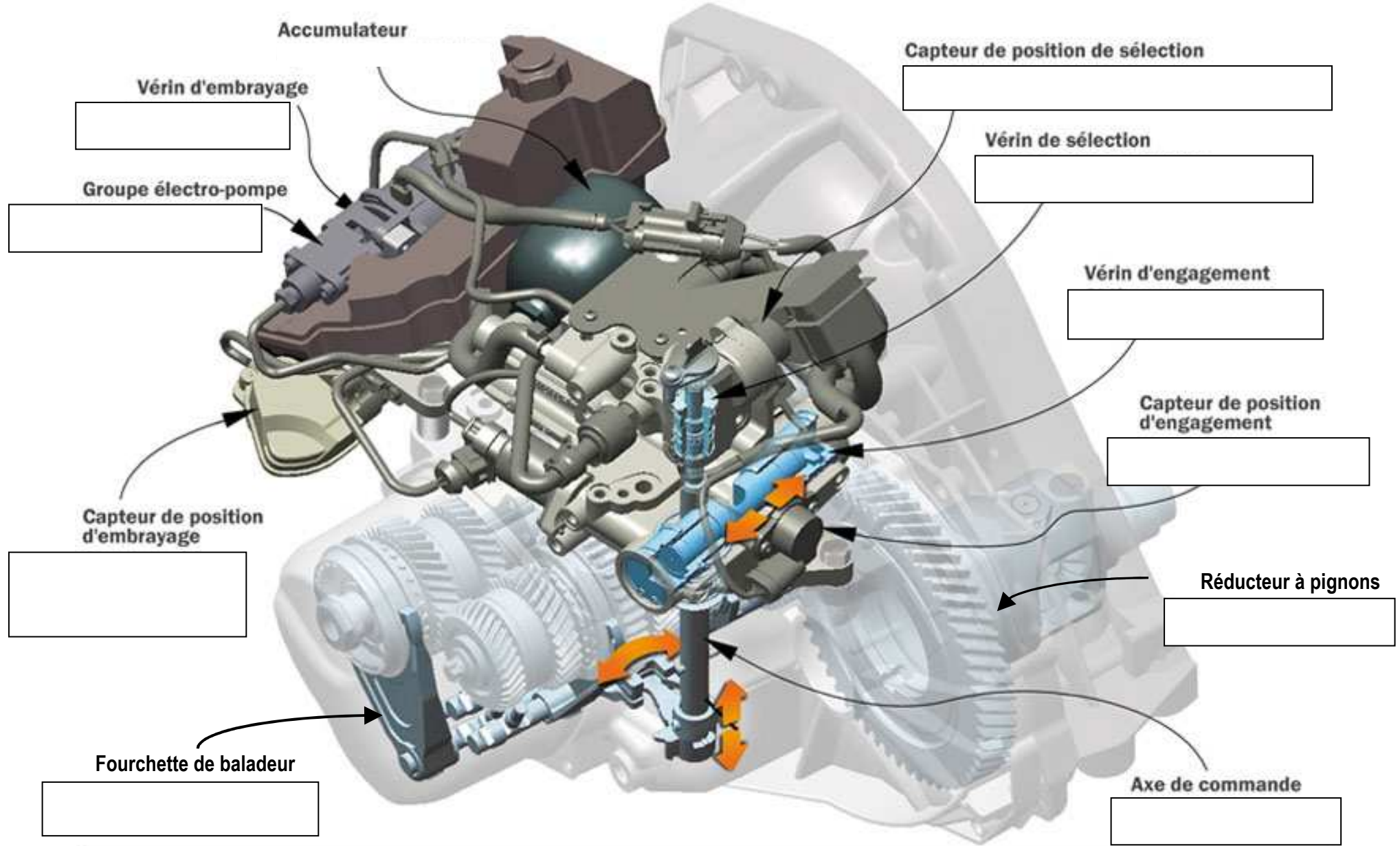
# RUNNING GEAR



Liaison au sol

# ROBOTIZED GEARBOX

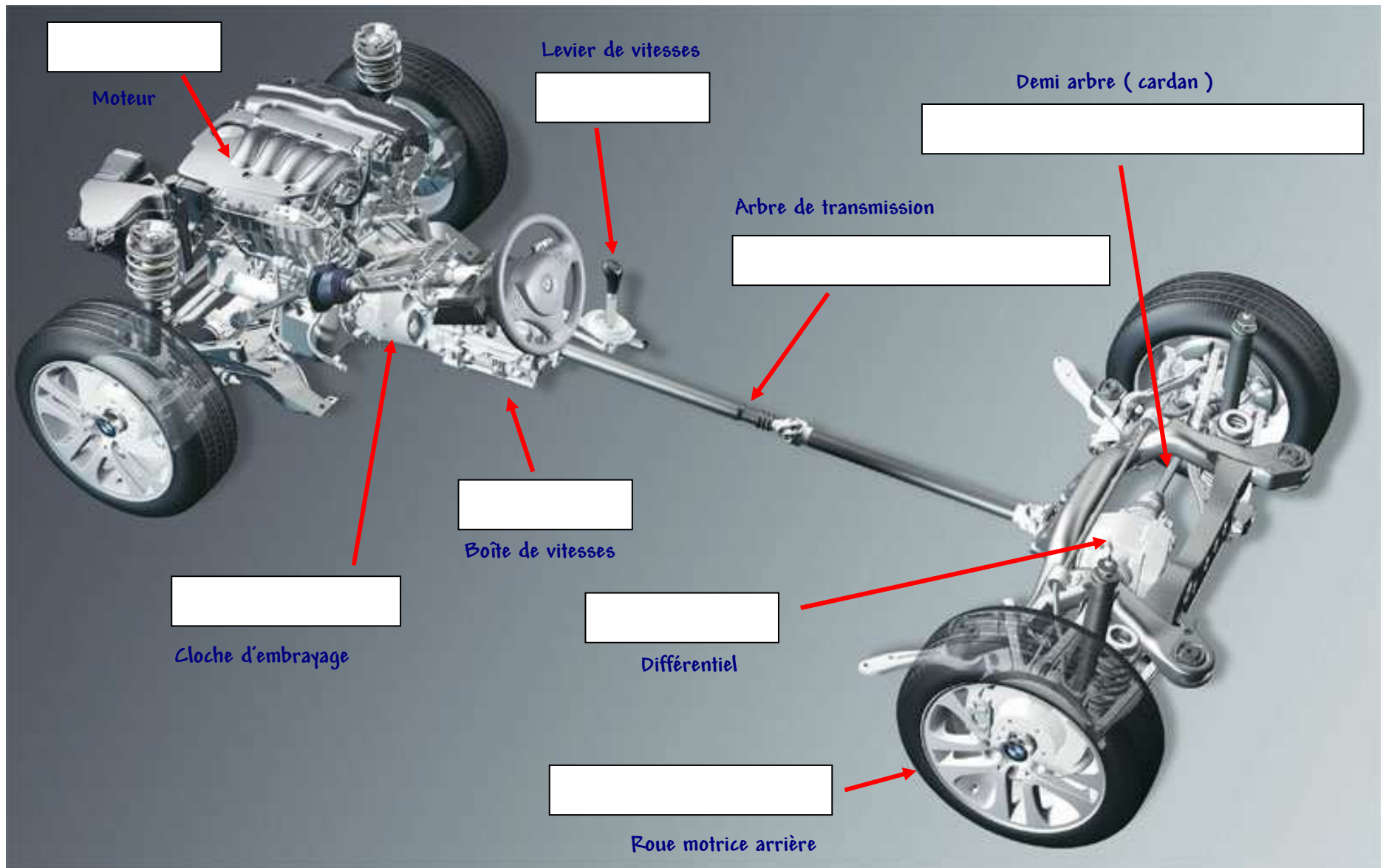
Fonction 3 - 2/8



Boite Quickshift 5

Boîte de vitesses robotisée

# TRANSMISSION (Drive Line)



Transmission

# DOSSIER RESSOURCE

## TRANSMISSION ET LIAISON AU SOL

### I Direction - Steering gear

Electric servo steering

steering rack

Steering column

### II Suspension

Strut

Leaf suspension or suspension coil spring

Shock absorber ( damper )

Inferior suspension arm

Rear axle

### III Freinage - Braking

Drum brake

Disc brake

*IV Boîte de vitesses - Gear box*

Gear selection position sensor

Electric pump unit

Clutch actuator

Shift actuator

Gear selection actuator

Control shaft

Clutch position sensor

Shift position sensor

-

*V Transmission*

Engine

Clutch housing

Gear box

Gear lever

Driveshaft or propeller shaft

Differential

Wheel drive shaft or half-shaft

Rear driving wheel

-

## TRANSLATE

## TRANSMISSION AND RUNNING GEAR

## RUNNING GEAR

- They are very efficient during the braking ; their size is more important than in the back..

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- Less competitive but more tough ( stable ) than disc brakes ..

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- It transforms a rotation movement into a translation movement to orientate wheels.

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- It transmits a rotation movement. Between the steering wheel and the rack.

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- To aim the vehicle, they can assist the driver thanks to a system of hydraulic or electrical enslavement.

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- On the low party of the suspension, it links up the wheel with the chassis ..

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- They absorb the changeability of the road ... For the best comfort of passengers.

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- They diminish, they amortize, they absorb the swing of the suspension spring...

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- It fulfils the axis of rotation, the axis pivotement of the wheels fronts.. It is constituted of a damper and a spring..

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- It is a rigid movable train, it links up both wheels rears..

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## ROBOTIZED GEARBOX

- What product hydropower?

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- What keeps stock and hydropower ?

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- It commanded the clutch... It received hydropower...

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- It commanded the selection of various reports ... It receives hydropower ...

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- It controls the passage of various reports... It receives hydropower...

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- It gives information on the position of the clutch... It communicates with the calculator robotic gearbox ...

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- It gives information on the position of the gear selection actuator... It communicates with the calculator robotized gearbox...

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- It gives information on the position of the shift actuator ... It communicates with the calculator robotic BV ...

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- It commanded sliders gearbox...

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- It moves the ring synchronizer... To allow the passage of the new report...

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- It greatly movement ... Lowers, it reduces the rotational speed of the gearbox. ..

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## TRANSMISSION (Drive Line)

- It transforms the chemical energy into mechanical energy ...

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- It is situated between the engine and the gearbox ... It is a crankcase ...

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- It adapts the engine torque to the resisting torque..

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- Situated in the passenger compartment, it allows the command of the gearbox..

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- It passes on the rotation movement of the gearbox in the differential..

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- It dismissal the movement in 90 degrees and distributed the couple on driving wheels ...

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- It passes on the speed and the engine torque up to driving wheels..

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- They pass on the driving strength in the road ...

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