

# CAR SPECS 101

DECODING THE DNA OF YOUR DRIVE

LED MATRIX BEAM

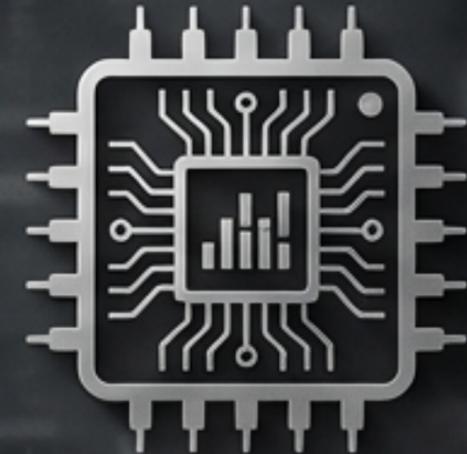
ACTIVE AERO GRILLE

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A guide to the language of automotive performance.

# THE LANGUAGE OF PERFORMANCE

Spec sheets are daunting lists of acronyms and numbers.  
But deciphering them is the only way to ensure a car fits your lifestyle.



**TODAY WE DECODE:**

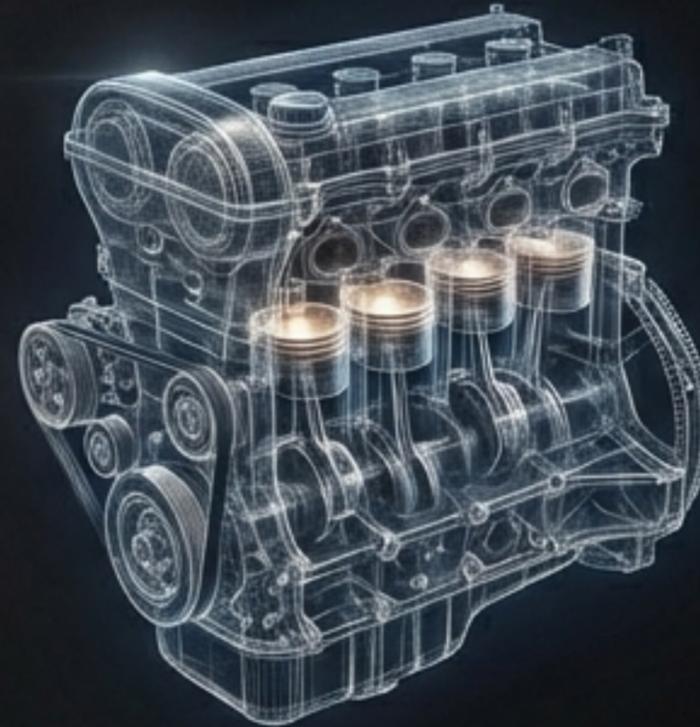
THE HEART | THE MOTION | THE FORM | THE INTELLIGENCE

THE HEART: ENGINE DISPLACEMENT

# VOLUME EQUALS CAPACITY



499.5 cc x 4 Cylinders



= 1,998 cc (2.0L)

Displacement is the combined volume of the cylinders. Size sets the stage for capacity.

Real World Example:  
Mazda 3 Hatchback  
SkyActiv R (2.0L Engine)



# THE SPRINT vs. THE PULL

## **HORSEPOWER (hp)**

The energy of the engine.  
Top-end Speed.

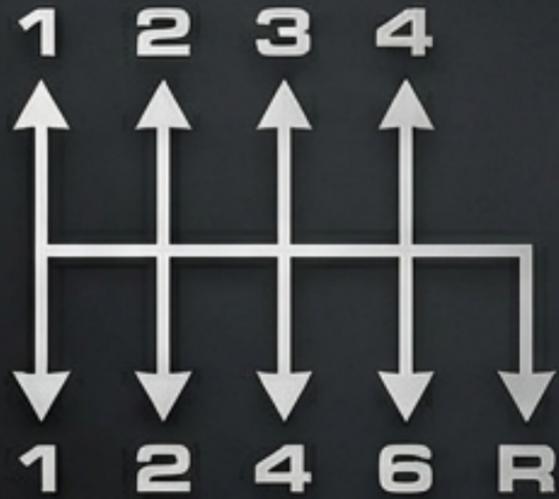


## **TORQUE (Nm)**

The force of the engine.  
Immediate Muscle.

THE MOTION: TRANSMISSION

# THE INTERFACE



## MANUAL

**Full Control.**

You manage the clutch and gears.



## AUTOMATIC

**Convenience.**

Relaxed driving.  
No clutch.



## CVT

**Efficiency.**

Seamless. One continuous gear adjusting to speed.

# WHERE THE POWER LANDS



## **FWD (Front-Wheel Drive)**

Compact & Efficient.  
Example: Honda Brio



## **RWD (Rear-Wheel Drive)**

Handling & Balance.  
Example: Jaguar F-Type

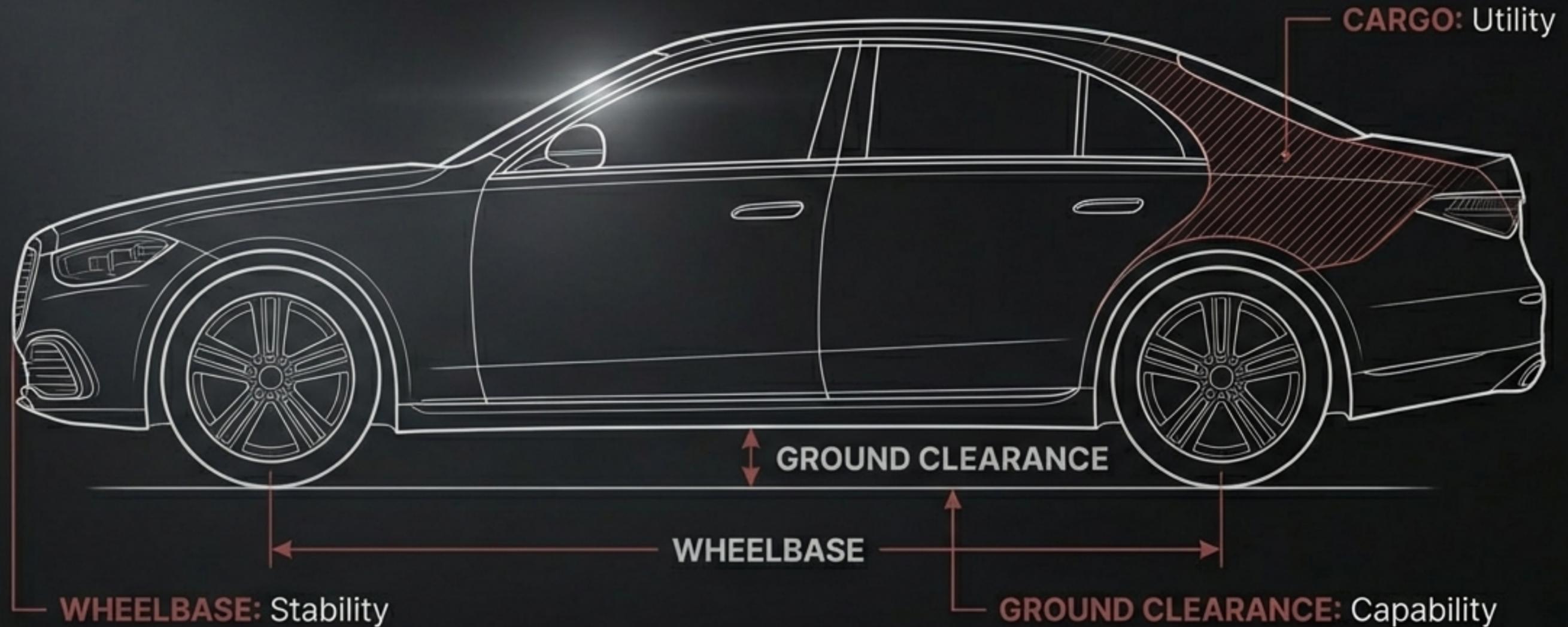


## **4WD (4-Wheel Drive)**

Grip & Terrain.  
Example: Chevy Colorado

THE FORM: DIMENSIONS

# THE FOOTPRINT



Beyond Length, Width, and Height—these metrics define how the car behaves.

THE INTELLIGENCE: BRAKING

# CONTROL UNDER PRESSURE



## **ABS (Anti-lock Braking System)**

Prevents wheel lock-up. Allows you to **STEER** while braking to evade collisions.

## **EBD (Electronic Brake-force Distribution)**

Smart distribution of force. Adjusts power between front/rear based on passenger load.

THE INTELLIGENCE: ASSIST

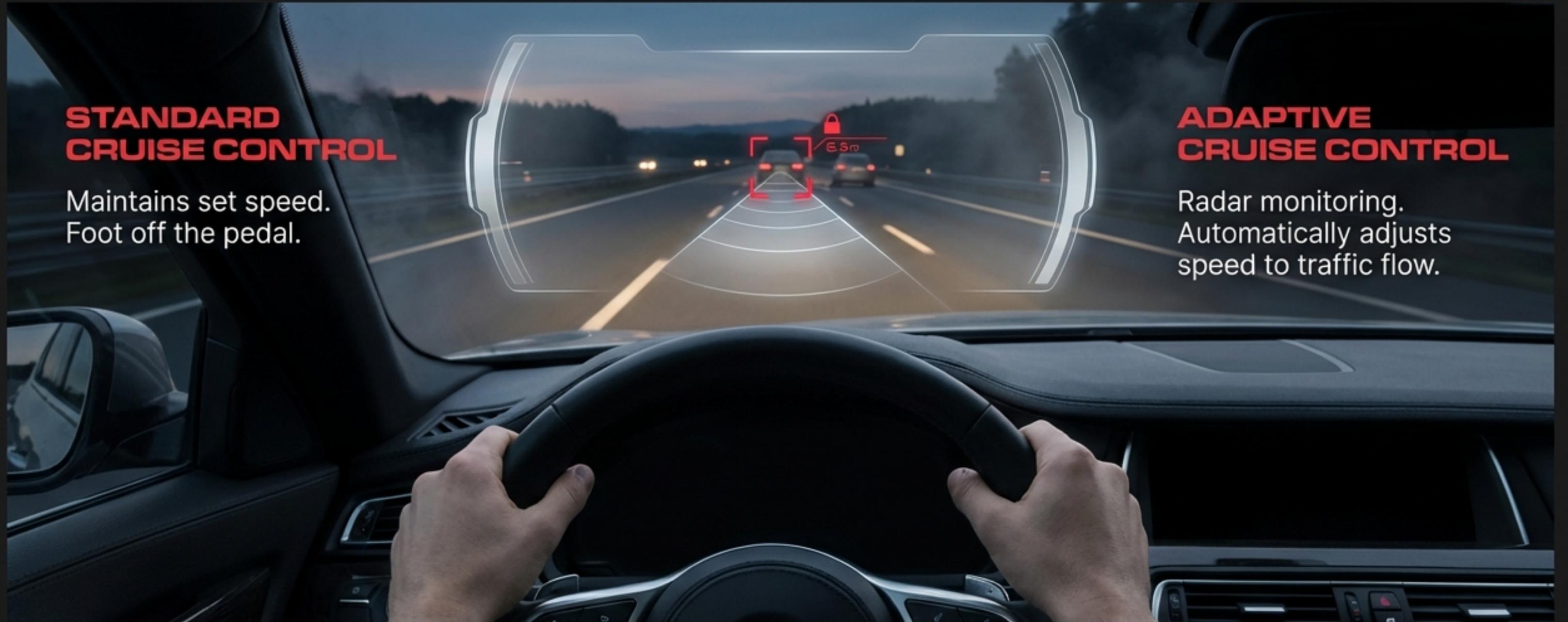
# THE LONG HAUL

## STANDARD CRUISE CONTROL

Maintains set speed.  
Foot off the pedal.

## ADAPTIVE CRUISE CONTROL

Radar monitoring.  
Automatically adjusts  
speed to traffic flow.



THE INTELLIGENCE: TECH

# THE COMMAND CENTER



## **HARDWARE:**

Touch screen  
replacing buttons.

## **MEDIA:**

Music, Movies,  
Streaming.

## **VISION:**

Rear-view camera feeds.

## **CONNECTIVITY:**

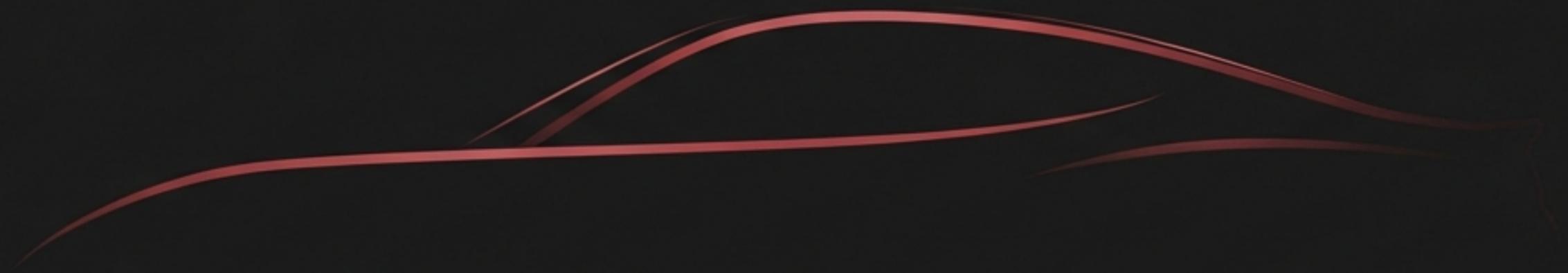
GPS Navigation &  
Hands-free calls.

# FLUENT IN 'CAR'

You now possess the keys to the terminology:



- **THE HEART**  
Displacement & Power.
- **THE MOTION**  
Transmission & Powertrain.
- **THE FORM**  
Dimensions & Capacity.
- **THE INTELLIGENCE**  
Safety & Connectivity.



# FIND YOUR FIT.

Use this knowledge to filter the noise. Find the car that satisfies your preference and fits your life.