### Intro:

Mercedes-Benz is a globally renowned company that specializes in their luxurious, state-of-the-art vehicles engineered for speed and agility. The industry emphasizes the use of advanced technology, sleek design and innovative components by consistently upgrading its models to achieve superior performance. This website highlights their most recently developed vehicle-the Mercedes-Benz AMG GT 63 Coupé-and showcases all the futuristic features that make this car a masterpiece of engineering. With details such as its high-performance engine to its aerodynamic design and sophisticated interior, the AMG GT 63 Coupé is an image of automotive innovation.

#### **Mechanics:**

#### Standard Features:

Each Mercedes-Benz AMG has various features that help it excel as a top luxurious car. The most recent model, the Mercedes AMG GT 63 Coupé is designed with new modifications to maintain a reputation of speed while also giving the driver a comfortable ride. The standard features included in the Coupé include a digital cockpit, twin 10-spoke wheels and cutting-edge aerodynamics. The car also comes with a rear spoiler, a high quality leather steering wheel, a microfibre roof liner, and stainless steel pedals. There are also other additional features that can be personally customized and chosen through the diverse packages offered by Mercedes-Benz.

# Speed & Steering:

The Mercedes-Benz AMG is built as a multi clutch, speedshift, with 9 easily available speeds and torque. The car has customizable driving modes involving the throttle, shifting, handling, and exhaust note to suit the driver's preferences. The AMG has state of the art stability and agility thanks to the active rear-wheel steering and adjustable air-based system. The speed is primarily focused on the electromechanical mechanisms that cause the back wheels to move in the opposite direction of the front wheels, gaining more traction when driving. This change is automatic and adjusts while the car is in motion.

### Engine & Motor:

The Mercedes-Benz AMG engine has a fuel capacity of 70L and contains a beltless turbo inline-6 that has an auxiliary electric compressor sprint. The electric component makes the engine more efficient. It has 429 horsepower and can go from 0 to 100 km/h in less than 4.5 seconds. The engine also has twin turbos that can bring the speed to 577 horsepower and travel 100 km/h in 3.4 seconds. These modifications helped create one of Mercedes' most recent and powerful hybrids. This car contains a 4.0L twin turbo, electric rear motor and a hybrid battery, resulting in a speed of 831 horsepower, perfect for acceleration and drifting.

### Design:

Mercedes-Benz is renowned for their diverse lineup of AMG vehicles. Although this site primarily focuses on their most recent design-the GT 63 AMG Coupé-the AMG family spans a large range of styles beyond the Coupés, such as:

- Hatchbacks
- Sedans
- Estates
- Cabriolets

- SUVs
- Roadsters

The Mercedes-Benz AMG features a sleek, modern interior with customizable seating options for passengers that range from two to four seats and includes a console with 12.3 inch touchscreens. The Mercedes AMG is not just spacious for the passengers but also in the trunk with a cargo capacity of 351-675L. Its impressive performance is supported by the inclusion of carbon-fibre reinforced polymers, giving the car a powerful, yet lightweight feel. The vehicle is filled with a tech-forward design including three touch interfaces, voice control, electronic gear selection, customizable LED color adjustments, and interactive operating systems.

In terms of comfort, the Mercedes-Benz AMG has beaten other competitors. For instance, the seats contain a memory system that stores the latest positions of the driver. The seats can be custom designed to the passengers preference. However, each standard Mercedes-Benz AMG has an adjustable lumbar, shoulder supports, and a massage system that has three different levels. The car is also built in with a newly-reformed air circulation system that helps promote comfortability for all passengers all year round. There are three levels of standard heating and cooling mechanisms as it circulates through the seat towards the rear of the vehicle, creating a luxurious and inviting environment for everyone.

# **Safety:**

### Warranties & Service:

Mercedes-Benz ensures their customers are taken care of with their top notch warranties and repair services. They offer a four year, 80,000 km limited warranty as their standard rate, as well as an extended limited warranty that can go up to seven years or 160,000 km. The company provides a pre-owned coverage for car owners, or a new vehicles' deal for first time Mercedes-Benz owners. This deal has a Wear & Tear coverage feature for brakes, rotors and lightbulbs that spans two years or 40,000 km. These warranties are honoured through Mercedes-Benz dealerships across Canada and are transferable no matter the location of purchasing the car. The Mercedes team is equipped with modern technology and highly trained technicians that have the ability to handle any of the customer's requests. The industry also offers remote assistance for holographic communication. Such advanced technological methods are possible through their partnership with Microsoft that help them receive real-time information from experts globally to create a more efficient and accessible support system.

### Service A:

When becoming a Mercedes-Benz owner, there is a specific maintenance schedule that should be followed. Service A is the first step and happens at the one year mark and two years following the first visit. This service could also happen at the 20,000 km and 40,000 km mark, whichever is first. During this maintenance session, the team checks all the lights, the horn, any hinges to ensure they are operating to the best of their capabilities. The motor oil and filter are changed, while an inspection is completed throughout the vehicle. The inspection can include replacing the cabin dust filter, correcting the fluid levels, testing the brakes and pumping air into the tires to appropriate conditions.

### Service B:

Service session B happens after Service A and includes a motor oil change, similarly to Service A but incorporates other features to ensure the car is running to its fullest capability. The Mercedes team rotates the tires of the car and replaces the filters throughout the vehicle. Along with these replacements, they also perform multiple checks such as the steering, the driveline, the suspension, any leakage, external damages, the poly belt, and the seat belts.

# References

AMG GT 63 4MATIC+ Coupe. (2025). Mercedes-Benz.ca.

https://www.mercedes-benz.ca/en/vehicles/model/gt/coupe/gt63r4#key-features

Mercedes-AMG GT Coupé. (2025). Mercedes-Amg.com.

https://www.mercedes-amg.com/en/gt-coupe

Pinterest. (2023). Pinterest.

https://ca.pinterest.com/search/pins/?q=mercedes%20gt%2063%20amg&rs=rs&source\_i d=5SfaVFjw&eq=&etslf=4624

The AMG GT 4-door Coupe. (2025). Mercedes-Benz.ca.

https://www.mercedes-benz.ca/en/vehicles/class/amg-gt-4-door/coupe

Vehicle Service & Maintenance. (n.d.). Www.mercedes-Benz.ca.

https://www.mercedes-benz.ca/en/owners/service-maintenance

Vehicles. (2025). Mercedes-Amg.com. https://www.mercedes-amg.com/en/vehicles