

# BMW M4 F82 – A Complete In-Depth Overview

The **BMW M4 F82** represents a major milestone in BMW M history. Introduced in **2014** and produced until **2020**, the F82 was the **first model to carry the “M4” badge**, replacing the legendary M3 Coupe. While the name changed, the mission stayed the same: deliver a **perfect blend of performance, luxury, and daily usability**, wrapped in an aggressive two-door coupe body.

## Engine & Performance

At the heart of the M4 F82 lies the **S55B30 engine**, a **3.0-liter twin-turbocharged inline-six** developed exclusively by BMW M GmbH. This engine marked a shift from the naturally aspirated V8 of the E92 M3 to a turbocharged setup, prioritizing efficiency without sacrificing performance.

- **Power Output**
  - Standard M4: **~425–431 hp**
  - M4 Competition: **~444–450 hp**
  - M4 CS / GTS: up to **493 hp**
- **Torque:** Approximately **550 Nm**, available from low RPMs, giving the car brutal mid-range acceleration.
- **0–100 km/h:** Around **4.0 seconds** (quicker with the dual-clutch transmission)

The engine delivers a **linear yet aggressive power band**, with strong turbo response and a distinctive exhaust note that becomes sharper in Sport and Sport+ modes. While some purists missed the high-revving V8 sound, the S55 gained respect for its **raw performance and tuning potential**.

## Transmission & Drivetrain

The M4 F82 came with two transmission choices:

- **6-speed manual** (for driving purists)
- **7-speed M DCT (Dual-Clutch Transmission)** for lightning-fast gear shifts

Power is sent exclusively to the **rear wheels**, staying true to BMW M's traditional driving philosophy. An **Active M Differential** constantly adjusts torque distribution, improving traction during aggressive cornering and hard acceleration.

## Chassis, Suspension & Handling

One of the strongest aspects of the M4 F82 is its **handling precision**. BMW used extensive **lightweight materials**, including:

- **Carbon-fiber reinforced plastic (CFRP) roof**
- Aluminum suspension components
- Lightweight driveshaft

These changes helped reduce weight and lower the center of gravity.

The suspension is **adaptive**, allowing drivers to switch between Comfort, Sport, and Sport+ modes. Whether cruising on highways or attacking corners on a track, the M4 remains **sharp, stable, and confidence-inspiring**. Steering is electrically assisted but tuned to provide strong feedback, especially at high speeds.

## Braking & Safety

The M4 F82 features **high-performance M compound brakes**, with optional **carbon-ceramic brakes** for extreme performance and track use. These offer exceptional stopping power, fade resistance, and reduced unsprung weight.

Advanced stability systems include:

- Dynamic Stability Control (DSC)
- M Dynamic Mode (allows controlled slides)
- Launch Control (DCT models)

## Exterior Design

Visually, the BMW M4 F82 is **bold, muscular, and unmistakably M**.

Key exterior highlights:

- Wide flared wheel arches
- Aggressive front bumper with large air intakes
- Power-dome hood
- Quad exhaust tips
- Carbon-fiber roof (standard)

The design balances elegance with aggression, making it equally suited for a luxury parking lot or a racetrack. Even today, the F82 looks **modern and intimidating**.

## Interior & Technology

Inside, the M4 F82 blends **luxury with motorsport inspiration**.

Interior features include:

- M Sport seats with leather and Alcantara
- Carbon-fiber trim
- M-specific digital displays
- Head-Up Display with performance data
- iDrive infotainment system

The cabin is driver-focused, with excellent ergonomics and premium materials. Despite being a performance coupe, it remains **comfortable for daily driving**, offering usable rear seats and a decent boot.

## Variants & Special Editions

BMW released several high-performance variants of the F82:

- **M4 Competition:** More power, stiffer suspension, louder exhaust
- **M4 CS:** Track-focused with reduced weight and sharper handling

- **M4 GTS:** Limited-production, track-only monster with roll cage, water-injection system, and extreme aerodynamics

Each variant pushed the limits further, solidifying the M4's reputation as a **true performance icon**.

## Legacy & Enthusiast Appeal

The BMW M4 F82 is widely considered a **modern classic**. It bridges the gap between old-school M cars and modern turbocharged performance machines. Its strong aftermarket support, tuning potential, and everyday usability make it a favorite among enthusiasts worldwide.

Even years after its production ended, the F82 remains **highly desirable**, respected for its performance, design, and unmistakable M character.