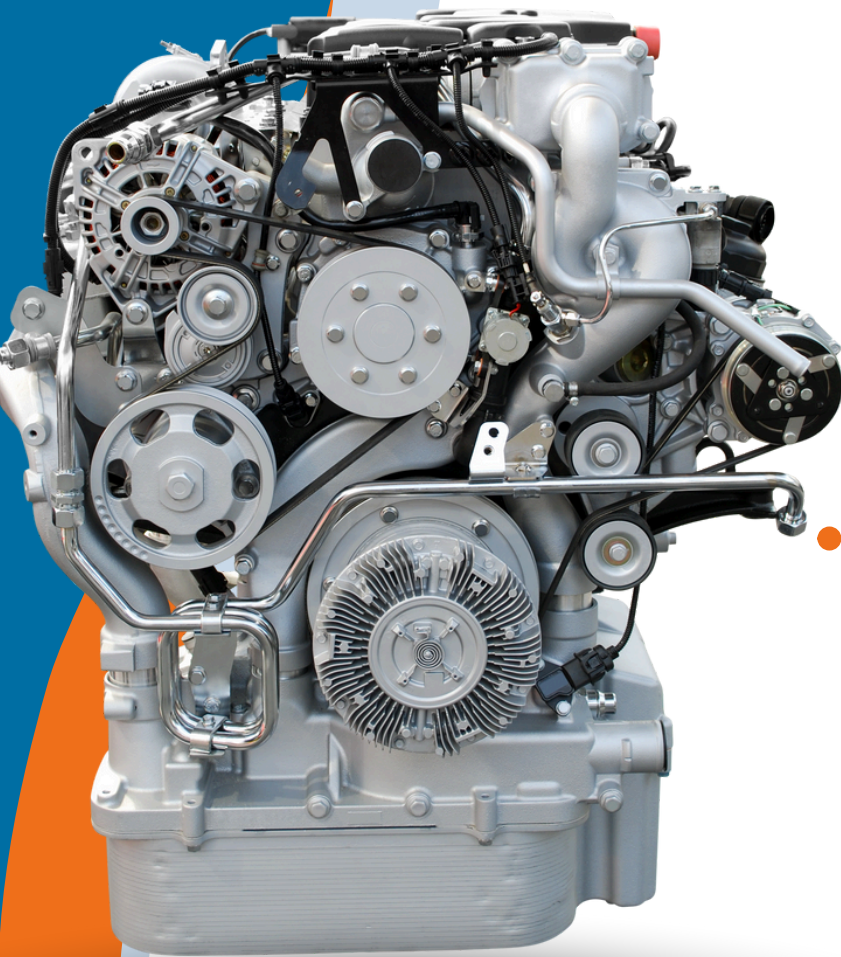


# User-Manual: A Guide to Used 2019 BMW X5 xDrive40i



---

**Engine  
Installation &  
Care**

---

**Published By:**  
**[carenginepart.com](http://carenginepart.com)**

---

# Table of Contents

1. We specialize in creating websites that are not only visually appealing but also

1.Introduction

2.Understanding the Engine Type

3.Safety Guidelines

4.Tools and Materials Needed

5.Preparing the Vehicle

6.Removing the Existing Engine

7.Inspecting the Used Replacement Engine

8.Installation Procedure

9.Fluid Refilling and System Reset

10. Engine Start-Up Checklist

11. After-Installation Monitoring

12. Maintenance Tips for Extended Engine Life

13. Troubleshooting Post-Installation Issues

14. Contact and Support  
functional and user-friendly.

---

# 1.Introduction

This manual is to provide a clear instruction to install a used B58 engine for your 2019 BMW X5 xDrive40i. This process is explained in easy to understand term to help the technicians and vehicle owners. Each step explained in this user-manual is accurate and help to maintain the engine performance.



## 2. Understanding the Engine Type

- **Engine Code:** B58B30M0
- **Displacement:** 3L
- **Configuration:** Inline-6, Turbocharged
- **Fuel Type:** Premium Unleaded
- **Cooling:** Water-cooled
- **Compatibility:** Ensure engine matches original specification

## 3. Safety Guidelines

- Disconnect the battery before you start any work.
  - Use jack stands on a flat and stable surface.
  - Wear protective gear: gloves, goggles, and closed-toe shoes.
  - Make sure there is proper ventilation
  - Avoid shortcuts, especially with torque settings and wiring connections.
-

## 4. Tools and Materials Needed

### 4.1. Tools:

- Engine hoist or crane
- Jack and stands
- Torque wrench
- Ratchet and socket sets
- Screwdrivers
- Trim removal tools
- Fuel line disconnect tools
- BMW-specific diagnostic scanner

### 4.2. Materials:

- New engine oil
- Coolant
- New oil filter
- Gasket and seal set
- Engine mounts
- New spark plugs



## 5.Preparing the Vehicle

- Park the vehicle.
- Disconnect the negative battery cable.
- Remove the hood for accessibility.
- Drain all the fluid.
- Disconnect the components.
- Label the components for reinstallation.
- Also, remove the radiator and cooling fan assembly.

## 6.Removing the Existing Engine

- Detach engine mounts.
- Disconnect the fuel lines, coolant hoses, and turbo lines.
- Remove the driveshaft if AWD model.
- Detach transmission from engine.
- Use an engine hoist to lift the engine.
- Set aside all reusable parts and brackets.

## 7. Inspecting the Used Replacement Engine

Before installation, inspect the used engine:

- Check for cracks and rust.
- Spin the crankshaft manually.
- Inspect spark plug wells for oil.
- Replace all gaskets and seals, including rear main seal.
- Transfer over usable sensors and accessories from the original engine.

If the used engine includes a turbo, inspect the impeller and shaft play.





## 8. Installation Procedure

- Lower the replacement engine carefully into the engine bay.
- Align and torque engine mounts to factory specification.
- Reconnect the transmission or align torque converter if automatic.
- Attach all the components as per labeled markings.
- Reinstall the radiator and fan assembly.
- Reconnect the battery last.





## 9. Fluid Refilling and System Reset

- Add engine oil to capacity (approx. 6.9 quarts).
- Fill coolant reservoir and bleed the system properly using BMW's coolant bleeding procedure.
- Use a BMW diagnostic scanner to clear error codes.
- Reset the oil service light and perform a throttle body adaptation reset.

## 10. Engine Start-Up Checklist

- Turn the key to accessory mode without starting to allow fuel priming.
  - Start the engine and leave it idle for 5 to 10 minutes.
  - Observe for leaks, strange noise and warning lights.
  - Monitor the oil pressure and coolant temperature.
  - Ensure smooth idle and consistent RPM.
-

## 11. After-Installation Monitoring

- Make sure there is no fluid loss, check that after 100 miles.
- Re-torque engine mounts and exhaust fasteners.
- Use OBD-II tool to scan trouble codes.
- Verify proper performance.

## 12. Maintenance Tips for Extended Engine Life

- Use only OEM-approved fluids and filters.
- Replace the oil after every 7K miles.
- Avoid aggressive driving.
- Keep the cooling system in top condition to prevent overheating.
- Address warning lights promptly.



## 13. After-Installation

### Mo1. Troubleshooting Post-Installation Issues

Symptom	Possible Cause
Rough idle or stalling	Vacuum leak or incorrect sensor plug
Oil leak under engine	Old gasket failure
Warning lights on dashboard	Missed ECU reset or faulty sensor
Engine overheating	Improper coolant bleeding
No start	Crankshaft sensor or fuel line issue

Use a diagnostic scan tool to narrow down error codes and system malfunctions.

## 14. Contact and Support

If you need any assistance during the installation or want to verify part compatibility

Contact us at:  
Website: [www.carenginepart.com](http://www.carenginepart.com)



### Shop with Confidence

Delivering reliable used engines and used transmissions since 2008.



### Hassle-Free Returns

Ordered the wrong engine or transmission? Enjoy easy 30-day returns for peace of mind.



### Fast & Reliable Shipping

Get your used engine & used Transmission delivered exactly when you need them.



### Massive Inventory

Choose from a huge selection of OEM and aftermarket engines & transmissions.



### Best Price Guarantee

Find the auto parts you need at the most competitive prices available.



### Easy Online Ordering

Need assistance? Chat with us or place your order directly on our website.