

2021 BMW i3 (I01) Condition Based Service (CBS) intervals and Maintenance

BMW's CBS computes the actual optimum maintenance requirements, based not only on the accumulated mileage and/or time, but also on important factors such as short or long-trip driving, etc.

For services where mileage is the determining factor, such computations can result in variations from the 10,000 mile interval and, correspondingly, when a vehicle service will actually display "Recommended" or "Due."

The "mileage and time" intervals listed below are for reference only, depending also on which one occurs first.

i3, i3s Battery Electric Vehicle (BEV)

CBS counter #	Approx. cumulative miles	Approx. time interval, mos.	Operation
1	Not applicable	24	Vehicle check. Replace the ventilation microfilter (connected service). Change the brake fluid.
2	"	48	Vehicle check. Replace the ventilation microfilter (connected service). Change the brake fluid.
3	"	72	Vehicle check. Replace the ventilation microfilter (connected service). Change the brake fluid.

i3, i3s with Range Extender*

CBS counter #	Approx. cumulative miles	Approx. time interval, mos.	Operation
1*	10,000	12	Replace the engine oil and filter.
2	20,000	24	Replace the engine oil and filter. Replace the ventilation microfilter (connected service). Change the brake fluid. Replace the battery in each remote key.
3	30,000	36	Replace the engine oil and filter.
4	40,000	48	Replace the engine oil and filter. Perform the vehicle check. Replace the ventilation microfilter (connected service). Change the brake fluid. Replace the battery in each remote key.
5	50,000	60	Replace the engine oil and filter.
6	60,000	72	Replace the engine oil and filter. Replace the ventilation microfilter (connected service). Change the brake fluid. Replace the battery in each remote key.

*Due to the light duty and relatively constant operating speeds, the W20 engine's spark plugs and air filter are long-term rated, which do not need replacement.

2021 BMW i3 Maintenance Requirements

Standard operations performed at each scheduled service

Maintenance work:

- Verify the Check Control messages.
- Check the indicator and warning lights.
- Reset the CBS display.
- Inspect the tires, adjust the tire pressures and reset the Tire Pressure Monitor.
- Check the parking brake functionality while the vehicle is being driven into the workshop.

Tires:

- Check and adjust the inflation pressure if needed; refer to the door bottom edge label or the “Wheel and Tire” section in the Owner’s Manual.
- Check the tire size; refer to the door edge label or the “Wheel and Tire” section in the Owner’s Manual.

Test Drive:

- Apply the service brakes as needed to clean any surface corrosion off the brake discs. Corrosion can accumulate when predominantly using the regeneration mode for slowing down the vehicle instead of using the service brakes.

Maintenance services connected to a specific service*

Maintenance work:

- Replace the ventilation microfilter every two years based on the vehicle production date, or in connection with the scheduled brake fluid change.

*This additional connected service will not be shown in the vehicle’s CBS display.

Maintenance services that display in CBS:

Engine Oil (BMW i3, i3s with Range Extender only)

Maintenance work, connected to a scheduled vehicle check:

- Change the W20’s engine oil and oil filter. BMW recommends Original BMW Engine Oil SAE 0W-30 (fully synthetic), per the reference label on the engine compartment cover beneath the luggage area floor. If this oil is not available, use Original BMW Engine Oil SAE 5W-30 as alternative. Refer to SI B11 01 15.

Vehicle check

Maintenance work:

- Check the operation of the horn, headlight flasher and hazard warning flashers.
- Check the instrument and control lighting and heater/air-conditioning blower.
- Check the lighting system: turn signals, back-up, license plate, interior (incl. map, reading lights), glove compartment, and luggage area lights.
- Safety belts: check the condition and function.
- Check the windshield wiper and washer jet positions.
- Mobility Kit: check the expiration date on the sealant container. Replace the container if expired.
- Tires: check the tread depth, wear pattern, outer condition, and inflation pressure. If necessary, correct the pressure.
- Reset the Tire Pressure Monitor.
- Electric Power Steering: check the function.
- Visually inspect all SRS airbag units for torn covers, obvious damage or attachment of stickers.
- Rearview mirrors.
- Windshield washer and intensive cleaning systems: check the protection level, fluid level; top up if necessary.
- Check the coolant level and anti-freeze concentration for the low-temperature EME drive circuit (underhood).
- Check the coolant level and anti-freeze concentration for the high-temperature combustion engine and vehicle interior heating circuit (underhood).
- Brake system connections and lines: check for leaks, damage and correct positioning.

- Underbody, incl. all visible parts (i.e., drivetrain, rear axle): check for damage, leaks and corrosion.
- Check the occasional use charging cable for damage (cuts, breakage, and deformation), corrosion and wear.
- Check the high voltage charging socket for damage, corrosion, pin retracting, and wear.
- Steering components: check for clearance, damage and wear.

Final Inspection – road test with check of:

- Brakes
- Steering
- Shock absorbers (visual)

Brake fluid

Maintenance work:

- Replace the brake fluid.

Front brakes

Maintenance work:

- Replace the brake pads and brake wear sensor; clean the brake pad contact points in the calipers.
- Lightly grease the wheel hub contact points to prevent corrosion.
- Brake discs: Check the surface and thickness; replace as necessary.

Rear brakes

Maintenance work:

- Replace the brake pads and brake wear sensor; clean the brake pad contact points in the calipers.
- Lightly grease the wheel hub contact points to prevent corrosion.
- Brake discs: check the surface and thickness; replace as necessary.
- Parking brake: repair or replace the parking brake shoes/linings only if a reduction in the brake's effectiveness is noted. When fitted, parking brake shoes/linings are excluded from coverage under the BMW Maintenance Program.