

2021 MUSTANG mach-e

B&O

An Eye for Design

Inspired by clean, Scandinavian minimalist design principles, the B&O Sound System features award-winning integration of a unique fabric design and signature speaker cover that elegantly spans the instrument panel. Complementing the already dynamic lines of the Mustang Mach-E interior, the Heathered Gray fabric conveys the comfort and beauty of a home environment. Anodized aluminum badges engraved with the B&O logo adorn many of the speaker grilles throughout the cabin to identify the impressive system.

Tuning & Testing

During development, Mustang Mach-E underwent both static and dynamic sound testing and tuning to ensure that the open-road listening experience would be just as good as that of a stationary state (parked).

Go for a Test-Drive

To showcase this system with customers:

- Select dynamic music with a full range
- Ensure the sound settings are reset to a neutral position, with doors and windows closed and door compartments clear

Sound Afficionados

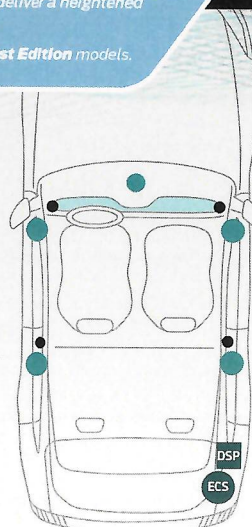
For customers who appreciate the experience of exhilarating sound, the B&O Sound System by Bang & Olufsen, engineered into the all-new Mustang Mach-E, is designed to deliver a heightened experience to both the ears and the eyes.

The B&O Sound System is standard equipment on Mustang Mach-E Premium and First Edition models.

An Ear for Sound

The Mustang Mach-E boasts a 10-speaker B&O Sound System that is comprised of one subwoofer and nine other strategically placed speakers located throughout the cabin. B&O engineers carefully selected and meticulously tuned components to achieve optimal performance. It includes:

- **560-Watt System** — Amplifier with Digital Signal Processing (DSP)
 - DSP manages power and features, such as:
 - Speed adaptive volume
 - Surround sound effect
- **Subwoofer** — A specially designed Externally Coupled Subwoofer (ECS) uses the entire vehicle as a bass enclosure
 - Located in the cargo area, it enables powerful low-end frequency performance from an innovative, lightweight, space-saving design
- **9 Speakers** ...
 - Two front tweeters artfully designed into the instrument panel (IP) cover
 - An impressive midrange speaker (center of the IP)
 - Four midwoofers designed into the doors
 - Two strategically placed rear tweeters



Sound Basics

In simplest terms, an **amplifier** breaks down the electrical signals produced by a music source into varying frequencies (i.e., high, midrange, low) and sends those signals to the speaker designed to carry that frequency. Common speaker terms include:

- **Tweeters** — Named after the high tweet sounds of birds, these high-frequency speakers typically are smaller, directed at the listener and carry higher-pitched treble sounds
- **Midrange/Midwoofer** — As the names imply, these speakers land in the middle of the frequency range, carrying midrange frequency tones, such as a guitar or snare drum. Midwoofers have the ability to extend even lower in frequency to encompass sounds like a kickdrum
- **Subwoofer** — Low-frequency speakers that produce lower tones. Typically placed on their own, they provide the low-level thump and bass tones

Preproduction vehicle shown.

Compressed vs. Uncompressed

- Uncompressed files are basically perfect representations of the audio that was recorded (available via a USB lossless music file or premium streaming service with high-fidelity sound settings)
- Compressed files, in order to reduce file space, may have cut some audio corners

Additional Resources

For more information about the 2021 Mustang Mach-E, check out:

- fordsourcebook.com
- ford.com/suvs/mach-e/2021/

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