



**CREATE
YOUR OWN
SOUND**

ATS-TOY160C – COMPONENT SYSTEM FOR TOYOTA

The ATS-TOY160C is a 2-way plug & play component system from the SPECIFIC series that is precisely tailored to many popular models from Toyota, Lexus, and Subaru. SPECIFIC not only stands for a vehicle-specific fit and original connectors, but also for acoustic tuning that is specifically designed for the respective vehicle. Replacing the OEM speakers is easy: all components fit perfectly into the existing speaker mounts and are connected directly to the original connectors.

THE MID-WOOFER

The 16.5 cm woofer is equipped with the proven AXTON CRYSTAX cone. The warm-sounding paper cone is given additional rigidity by a special coating of quartz crystals, resulting in more precise impulse reproduction and faster response. The result is powerful yet controlled bass. Voices and instruments are clearly defined – an advantage, especially with dynamic and lively music.

FOR TECH ENTHUSIASTS

The ATS-TOY160C's woofer is also impressive from a technical standpoint. Extensive Klippel measurements confirm exceptionally high symmetry in both the force factor (Bl) and the spring stiffness of the oscillating unit (Kms). Even with large cone excursions, identical forces act on the voice coil during compression and rebound. This characteristic is an essential prerequisite for natural, clean, and low-distortion music reproduction.

For use in vehicle doors, the woofer was specifically tuned to a resonance frequency (Fs) of 72 Hz and a Qts value of 0.7. These parameters ensure high level stability and powerful bass response, giving the midrange a balanced, relaxed sound characteristic.

THE TWEETER

The tweeter features a 19 mm aluminum dome and impresses with its clarity, brilliance, and precise spatial representation. The elastic mounting

DSP SETTINGS FOR ABSOLUTE HI-FI ENJOYMENT

A specially developed sound preset is available for the ATS-TOY160C in the apps for the AXTON DSP amplifiers A544DSP and A594DSP, currently for use in the Toyota C-HR (additional models are planned). This preset uses time alignment and numerous equalizer bands to perfect the sound in the Hyundai i30. The preset is available free of charge in the A544DSP or A594DSP apps.

in a fine fabric surround enables detailed reproduction up to over 22 kHz. Thanks to its vehicle-specific design, the tweeter fits exactly into the original installation position. For additional protection, the connection cables are fitted with a protective foam band; the plug is precisely matched to the original vehicle connection..

THE CROSSOVER

A precisely tuned crossover is crucial for the harmonious interaction of the speaker components. In the ATS-TOY160C, this task is performed by a 6 dB/oct. filter in the high-frequency branch. It ensures that the woofer and tweeter produce a balanced, stable sound image in various Toyota models.

KEY FEATURES ATS-TOY160C

- 16.5 cm mid-woofer: OE-fitting composite basket and connectors, strontium-ferrite magnet, NOMEX spider, 25 mm voice-coil, AXTON CRYSTAX cone, rubber surround
- 19 mm tweeter: aluminium dome, fabric surround, ferrofluid cooled voice-coil, KSV voice-coil former, OE-fitting connectors
- 6 dB/oct. in-line tweeter cable crossover
- Scope of delivery: 2 x mid-woofer, 2 x tweeter with cable crossover, 2 x AXTON SPECIFIC label (metal)

TECHNICAL DATA

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Rated power handling	80 W RMS
Frequency response	55 Hz – 22 kHz
Impedance	3 ohms
Sensitivity (1 W/1 m)	90 dB

