



# ACCELERATOR PEDAL



# **ACCELERATOR PEDAL CONNECTOR**

#### FOR AUTOMOTIVE ELECTRONIC CONTROL SYSTEM

The throttle pedal connector is an essential component in the automotive electronic control system, used to connect the throttle pedal to the engine management system to control the throttle opening of the engine.



**Automobiles** 



Motorcycles



Trucks and Commercial Vehicles



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**Construction Machinery** 



# **ACCELERATOR PEDAL CONNECTOR**

#### FOR AUTOMOTIVE ELECTRONIC CONTROL SYSTEM

#### Acceleration Control

The throttle pedal connector allows the driver to increase the throttle opening of the engine by depressing the throttle pedal, thereby increasing the vehicle's speed. It is a primary means by which drivers control vehicle acceleration and deceleration.

#### Engine Management System

The throttle pedal connector transmits the driver's throttle input signal to the vehicle's engine management system. The engine management system adjusts the engine's fuel supply and air intake based on this signal to achieve the desired power output and fuel efficiency.

## • Electronic Stability Control

Some modern vehicles are equipped with electronic stability control systems that use information from the throttle pedal connector to assist in stabilizing the vehicle, especially in low-traction or emergency situations.

## Autonomous Driving Systems

In autonomous vehicles, the throttle pedal connector is integrated into the electronic control system to achieve throttle control for self-driving vehicles. This helps the autonomous driving system adjust vehicle speed to adapt to traffic and road conditions.

## Fuel Efficiency and Emission Control

Vehicle manufacturers can use the throttle pedal connector to help improve fuel efficiency and reduce emissions by precisely controlling the engine's fuel supply to adapt to different driving conditions.



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CH7061D-0.6-21



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CH7061A-1.8-21



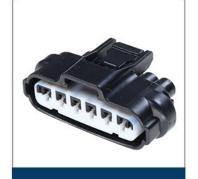
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**✓** Sales@chonoautoparts.com

Building 21, District D, Chinese Electrical Appliance City Zhejiang Province, China



www.chonoautoparts.com