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› ASGIHVAC FT05.20 Canbus Decoder for Fiat Ducato 2010-2021 Installation Manual

ASGIHVAC FT05.20

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1. INTRODUCTION

This manual provides comprehensive instructions for the installation and operation of the ASGIHVAC FT05.20 Canbus Decoder. This device is designed to integrate aftermarket multimedia systems with your vehicle's existing electronic architecture, ensuring seamless communication and retention of original vehicle functions.

Please read this manual thoroughly before installation to ensure correct setup and optimal performance.

2. PRODUCT OVERVIEW

The ASGIHVAC FT05.20 is a 16-pin wiring harness adapter with an integrated Canbus decoder. It facilitates the connection of a new car multimedia unit to compatible Fiat Ducato models, allowing the new unit to communicate with the vehicle's Canbus system.

Key Features:

- **Canbus Decoder Integration:** Ensures proper communication between your vehicle's electronics and aftermarket devices.
- **Plug-and-Play Design:** Simplifies installation with no cutting or splicing of original vehicle wiring required.
- **Function Retention:** Helps maintain original vehicle functions and features, such as steering wheel controls, when upgrading multimedia systems.
- **Durable Construction:** Engineered for longevity and consistent performance in various automotive environments.



Figure 1: ASGIHVAC FT05.20 Canbus Decoder Module. This image displays the compact black box of the Canbus Decoder, featuring the 'Hiworld' logo and an area that may indicate status or connection.

3. SETUP AND INSTALLATION

The ASGIHVAC FT05.20 Canbus Decoder is designed for straightforward installation. However, if you are unfamiliar with automotive electrical systems, professional installation is recommended.

Compatibility:

- **Vehicle Model:** Fiat Ducato
- **Model Years:** 2010 - 2021

Installation Steps:

1. **Preparation:** Ensure the vehicle's ignition is off and the negative terminal of the battery is disconnected to prevent electrical shorts.
2. **Access Vehicle Wiring:** Carefully remove the existing car stereo or multimedia unit to gain access to the vehicle's

wiring harness connection points. Refer to your vehicle's service manual for specific removal instructions.

- 3. **Connect Canbus Decoder:** Connect the 16-pin wiring harness from the ASGIHVAC FT05.20 Canbus Decoder to the corresponding connector in your vehicle. Ensure a firm and secure connection.
- 4. **Connect to Multimedia Unit:** Connect the other end of the decoder's harness to your new aftermarket multimedia unit. Match the connectors carefully.
- 5. **Secure Wiring:** Route and secure all wiring to prevent pinching or interference.
- 6. **Test Functionality:** Reconnect the vehicle battery. Turn on the ignition and test the functionality of the new multimedia system, including audio, steering wheel controls, and any other integrated features.
- 7. **Final Assembly:** Once all functions are verified, reassemble the dashboard components and secure the multimedia unit.

4. OPERATING INSTRUCTIONS

The ASGIHVAC FT05.20 Canbus Decoder operates automatically once correctly installed. It acts as an interface, translating signals between your vehicle's Canbus system and your aftermarket multimedia unit.

Key Operational Aspects:

- **Automatic Recognition:** The decoder should be automatically recognized by your multimedia unit, enabling Canbus-dependent features.
- **Steering Wheel Controls:** If supported by your multimedia unit, the decoder will enable the use of original steering wheel controls for audio functions (e.g., volume, track skip).
- **Vehicle Data:** Depending on the multimedia unit's capabilities, the decoder may transmit vehicle data such as ignition status, illumination, and reverse gear signals.

Refer to your aftermarket multimedia unit's manual for specific instructions on configuring Canbus settings or steering wheel controls.

5. MAINTENANCE

The ASGIHVAC FT05.20 Canbus Decoder requires minimal maintenance. To ensure continued reliable operation:

- **Periodic Inspection:** If accessing the unit, periodically check all connections to ensure they remain secure and free from corrosion.
- **Cleanliness:** Keep the area around the decoder free from excessive dust or moisture.
- **Avoid Physical Damage:** Ensure the unit is securely mounted and not subject to physical stress or impact.

6. TROUBLESHOOTING

If you encounter issues with your ASGIHVAC FT05.20 Canbus Decoder, refer to the following troubleshooting guide:

Issue	Possible Cause	Solution
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Issue	Possible Cause	Solution
No power to multimedia unit.	Loose wiring connection, incorrect wiring, vehicle battery disconnected.	Verify all 16-pin harness connections are secure. Ensure the vehicle battery is properly reconnected. Check the vehicle's fuse box for blown fuses related to the stereo or accessory power.
Steering wheel controls not functioning.	Canbus decoder not properly connected, multimedia unit settings incorrect, multimedia unit not compatible.	Confirm the Canbus decoder is firmly connected to both the vehicle and the multimedia unit. Access your multimedia unit's settings and ensure Canbus or steering wheel control options are correctly configured. Consult your multimedia unit's manual for specific Canbus setup procedures.
Intermittent functionality or errors.	Loose connections, electrical interference, faulty unit.	Inspect all wiring for loose connections or damaged insulation. Ensure proper grounding for the multimedia unit. If issues persist, contact customer support.

7. SPECIFICATIONS

- **Model:** FT05.20 Canbus Decoder
- **Compatibility:** Fiat Ducato (2010-2021)
- **Connector Type:** 16-pin wiring harness
- **Dimensions (Approximate):** 0.39 x 0.39 x 0.39 inches (1 x 1 x 1 cm)
- **Weight (Approximate):** 1.76 ounces (50 grams)
- **ASIN:** B0FSSL7L3G

8. WARRANTY AND SUPPORT

Warranty information for the ASGIHVAC FT05.20 Canbus Decoder is typically provided by the seller or manufacturer at the time of purchase. Please retain your proof of purchase for any warranty claims.

For technical support, installation assistance, or warranty inquiries, please contact your point of purchase or the manufacturer directly. Refer to the product packaging or seller's information for contact details.

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