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> Garvee Foldable Automotive Engine Creeper User Manual - Model GV0HFFAV4EDF0726

## Garvee GV0HFFAV4EDF0726

# Garvee Foldable Automotive Engine Creeper User Manual

Model: GV0HFFAV4EDF0726

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective use, assembly, and maintenance of your Garvee Foldable Automotive Engine Creeper, Model GV0HFFAV4EDF0726. This product is designed to facilitate access to vehicle engines for various maintenance and repair tasks in automotive body shops, home garages, and fleet maintenance environments. Please read this manual thoroughly before operating the creeper.

## 2. SAFETY INFORMATION

**WARNING: Failure to follow these safety instructions may result in serious injury or property damage.**

- Always ensure the creeper is placed on a flat, stable, and level surface before use.
- Do not exceed the maximum weight capacity of 400 lbs (180 kg).
- Engage the locking casters before climbing onto or working from the creeper to prevent unintended movement.
- Keep hands and feet clear of moving parts, especially during height adjustment and folding.
- Inspect the creeper for damage, loose bolts, or worn parts before each use. Do not use if damaged.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves.
- Do not modify the creeper in any way. Use only original replacement parts if repairs are necessary.
- Keep children and unauthorized personnel away from the work area.

## 3. PRODUCT OVERVIEW

The Garvee Foldable Automotive Engine Creeper is designed for enhanced accessibility and comfort during engine work. Key features include:

- **Foldable Design:** Allows for compact storage and easy transport.
- **Adjustable Height:** Height can be adjusted from 48 inches to 66.5 inches to suit various vehicle types and user preferences.
- **Adjustable Tilt Angle:** Features 3 tilt angles for the padded deck, providing ergonomic working positions.
- **Enhanced Mobility:** Equipped with four swivel casters, two of which are lockable for stability.
- **Durable Construction:** Made from high-quality steel with a maximum weight capacity of 400 lbs.
- **Padded Deck:** High-density foam deck for comfort during extended use, includes a storage pouch.
- **Anti-slip Design:** Steps feature an anti-slip surface for secure climbing.

### Components

Familiarize yourself with the main components of the engine creeper:

- Main Frame (Ladder structure)
- Padded Deck with Storage Pouch
- Base Frame with Support Arms
- Four Swivel Casters (Two with brakes)
- Height Adjustment Pins/Levers
- Tilt Adjustment Mechanism
- Assembly Hardware (Bolts, Nuts)



Figure 3.1: Overall view of the Garvee Foldable Automotive Engine Creeper.

This image displays the Garvee Foldable Automotive Engine Creeper in its fully assembled and upright configuration, showcasing its ladder-like frame, padded top deck, and wheeled base.



Figure 3.2: Detailed view of the padded deck, tilt, and height adjustment features.

This image highlights the comfortable padded deck with an integrated storage pouch, the mechanism for adjusting the deck's tilt angle, and the multiple height adjustment points on the main frame.

## Premium Quality Material



Figure 3.3: Caster types, weight capacity, and anti-slip features.

This image provides a close-up of the 360-degree swivel casters, distinguishing between those with and without brakes. It also illustrates the 400 lbs (180 kg) maximum weight capacity, the high-strength bolts used in construction, and the anti-slip design on the steps.

## 4. SETUP AND ASSEMBLY

The Garvee Engine Creeper requires assembly. Please follow these general steps. Refer to the included assembly diagram (if provided with your product) for detailed instructions.

1. **Unpack Components:** Carefully remove all parts from the packaging and verify against the parts list (if provided).
2. **Assemble Base Frame:** Attach the support arms to the main base frame using the provided bolts and nuts. Ensure all connections are secure.
3. **Install Casters:** Securely attach the four swivel casters to the base frame. Ensure the two locking casters are positioned as indicated in the assembly diagram for easy access.
4. **Attach Main Frame (Ladder):** Connect the main ladder-like frame to the base. This typically involves aligning pivot points and securing with pins or bolts.
5. **Install Padded Deck:** Mount the padded deck to the top of the main frame, ensuring it is securely

fastened and the tilt mechanism is correctly engaged.

6. **Final Check:** Before first use, double-check all bolts, nuts, and pins to ensure they are tightened and secured. Test the folding and adjustment mechanisms for smooth operation.

**Tools Required (not included):**

- Wrenches (appropriate sizes for bolts)
- Possibly a rubber mallet for caster installation (if press-fit)

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## 5. OPERATING INSTRUCTIONS

### 5.1 Unfolding and Positioning

1. Place the folded creeper on a flat, stable surface.
2. Carefully unfold the main frame and base arms until they lock into their open positions. Ensure all locking pins or mechanisms are fully engaged.
3. Roll the creeper to the desired position near the vehicle.
4. Engage the brakes on the two locking casters to prevent movement while in use.

### 5.2 Adjusting Height

The creeper's height can be adjusted to provide optimal access to the engine compartment.

1. Ensure the creeper is stable and the locking casters are engaged.
2. Locate the height adjustment pins or levers on the main frame.
3. While supporting the padded deck, disengage the pins/levers.
4. Carefully raise or lower the padded deck to the desired height (between 48 and 66.5 inches).
5. Re-engage the height adjustment pins/levers securely into the corresponding holes. Verify that the deck is locked in place before use.

### 5.3 Adjusting Tilt Angle

The padded deck offers 3 tilt angles for ergonomic comfort.

1. Locate the tilt adjustment mechanism beneath the padded deck.
2. Adjust the angle by lifting or repositioning the deck until it clicks into one of the three available tilt positions.
3. Ensure the deck is securely seated in the chosen angle before applying weight.

### 5.4 Folding for Storage

1. Ensure no tools or items are on the creeper.
2. Disengage the height adjustment pins and lower the padded deck to its lowest position.
3. Follow the reverse steps of unfolding to collapse the main frame and base arms. Ensure all folding mechanisms are securely latched for compact storage.



Figure 5.1: The creeper in its folded configuration for storage.

This image shows the Garvee Engine Creeper in its compact, folded state, demonstrating its space-saving design for storage or transport.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Garvee Engine Creeper.

- **Cleaning:** Wipe down the frame and padded deck with a damp cloth after each use to remove grease, oil, and dirt. Avoid harsh chemicals that may damage the finish or upholstery.
- **Hardware Inspection:** Periodically check all bolts, nuts, and pins for tightness. Re-tighten any loose fasteners.
- **Caster Inspection:** Inspect casters for smooth rotation and any signs of damage or wear. Clean any debris from the wheels. Lubricate swivel points if necessary.
- **Padded Deck Condition:** Regularly inspect the padded deck for tears, cracks, or excessive wear. While the high-density foam is durable, damage to the outer material can occur.
- **Storage:** Store the creeper in a dry, clean environment when not in use, preferably in its folded configuration to save space.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your engine creeper.

Problem	Possible Cause	Solution
Creeper is unstable or wobbles.	Uneven surface; loose fasteners; casters not locked.	Move to a flat, level surface. Check and tighten all bolts and nuts. Ensure locking casters are fully engaged.
Difficulty adjusting height or tilt.	Adjustment pins/levers not fully disengaged; debris in mechanism.	Ensure pins/levers are completely pulled out or released. Clean any obstructions from the adjustment points. Do not force adjustments.
Casters do not roll smoothly or lock.	Debris in wheels; worn casters; brake mechanism obstructed.	Clean wheels and swivel points. Lubricate if necessary. Inspect for damage; replace worn casters if needed. Clear any obstructions from the brake mechanism.
Padded deck shows signs of cracking or wear.	Normal wear and tear; exposure to harsh chemicals; excessive stress.	Regularly inspect the padded deck. Avoid prolonged exposure to direct sunlight or harsh chemicals. If damage affects safety or comfort, consider contacting the manufacturer for replacement parts.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact Garvee customer support.

## 8. SPECIFICATIONS

Feature	Detail
Brand	Garvee
Model Number	GV0HFFAV4EDF0726
Material	Steel
Color	Red/Black
Max Weight Capacity	400 lbs (180 kg)
Height Range	48" to 66.5" (adjustable)
Angle Positions (Padded Deck)	3
Caster Size	3" (4 casters, 2 with brakes)
Padded Deck Size	18.5" (W) x 17" (L)
Overall Dimension (unfolded)	33.25" (W) x 54.25" (L) x 48" to 66.5" (H)
Item Weight	70.9 lbs
Assembly Required	Yes

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## 9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or contact Garvee customer support directly. Warranty terms typically cover manufacturing defects for a specified period. For technical assistance, replacement parts, or further inquiries, please contact the seller or manufacturer through their official channels. When contacting support, please have your model number (GV0HFFAV4EDF0726) and purchase date available.

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