

## Introduction

This installation guide provides instruction on how to install the U-Mount Bracket Kit (P/N: KT-U-MOUNT-VC80-R) for the VC80 and VH10 Vehicle Computers (VC).

## Contents

The U-Mount Bracket kit includes:

- Adapter Bracket (quantity: 2)
- U-Mount Bracket (quantity: 1)
- Friction Pad (quantity: 2)
- M6X1X14 screws and washers (quantity: 4 each)
- M10X1.5X50 screws (quantity: 4), Flat Washers (quantity: 8), Split Washers (quantity: 4) and Nylok nuts (quantity: 4)
- M8X1.25X20 screws and washers (quantity: 2 each)
- Installation guide (quantity: 1)

## Required Tools

- Socket and Torque wrench for the M6, M8, and M10 screws.

## Installation



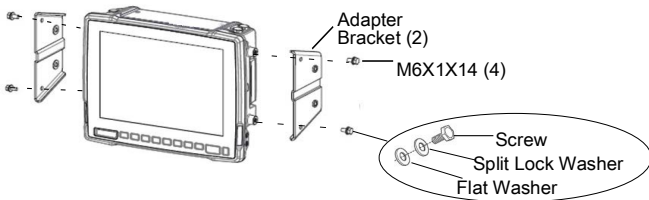
**WARNING!** Always disconnect the VC from all battery and A/C power before servicing components.



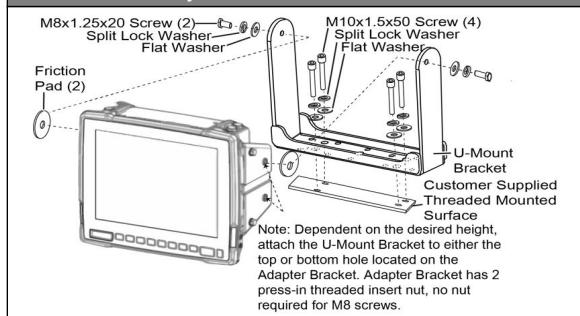
**NOTE** If it is necessary to mount the VC8300 overhead or in any position that can cause injury to the operator should the unit fall, it is critical that a secondary tether or other fail-safe device be installed.

To install the U-Mount Bracket:

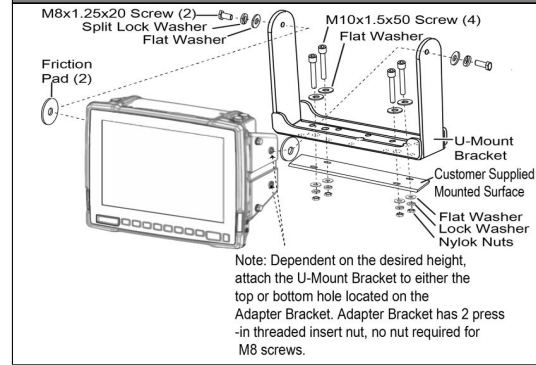
1. Screw the Adapter Brackets onto the VC using the M6X1X14 screws and washers.
  - a. Insert the Split Lock Washer on the screw.
  - b. Insert the Flat Washer on the screw (on top of the Split Lock Washer).
  - c. Torque the screws to 3.9 Nm (34.5 in-lbs).
2. Mount the U-Mount Bracket in the desired location using the M10X1.5X50 Screws, Split Lock Washers, and Flat Washers. Torque the screws to 42 Nm (31 ft-lbs).
3. Place the Friction Pads onto the thread insert on the Adapter Brackets.
4. Install the subassembly to the U-Mount Bracket using the M8X1.25X20 screws and washers. Adjust the VC to the desired angle. Torque the M8 screws to 27.0 Nm (239.0 in-lbs).



### For a mount system with a threaded hole surface



### For a mount system with through-hole system

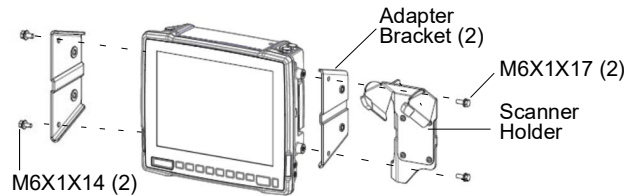


## Scanner Holder

The Scanner Holder attachment (P/N: KT-SCANMNT-VC80-R) is not included in the U-Mount Bracket kit and must be purchased separately.

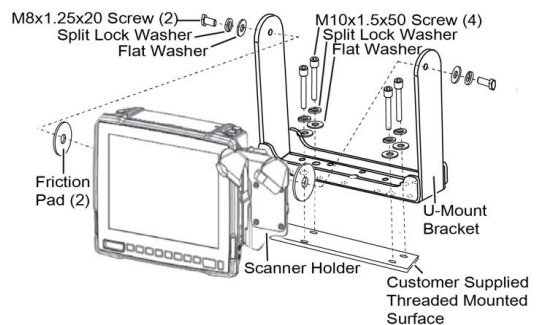
To attach the Scanner Holder:

1. Install the Adapter Bracket on one side of VC using the M6X1X14 screws and washers.
2. Install the Adapter Bracket and Scanner Holder subassembly on the other side of the VC using the M6X1X17 screws included in the Scanner Holder kit. Torque the screws to 3.9 Nm (34.5 in-lbs).



To install the U-mount bracket, follow the installation of the U-bracket shown above for **mount system with a threaded hole or through-hole surface accordingly**.

3. Mount the U-Mount Bracket in the desired location using the M10X1.5X50 screws and washers. Torque the screws to 42 Nm (31 ft-lbs).
4. Place the Friction Pads onto the thread insert on the Adapter Brackets.
5. Install the subassembly to the U-Mount Bracket using the M8X1.25X20 screws and washers. Adjust the VC display to the desired angle. Torque the screws to 27.0 Nm (239.0 in-lbs).



**NOTE** :When mounting the system and unit Over-Head Cage: A customer-supplied mounting plate must withstand the vehicle computer's weight under vibration and shock. The plate must be made of stainless steel or hardened steel 10mm thick, welded, or firmly secured to the underside of the cage.

# Mounting the U-Mount Bracket to an External Surface

The U-Mount Bracket hole dimensions are compatible with following brackets:

- 90500116-R (VC50)
- KT-U-MOUNT-VC70-R (VC70)



## WARNING!

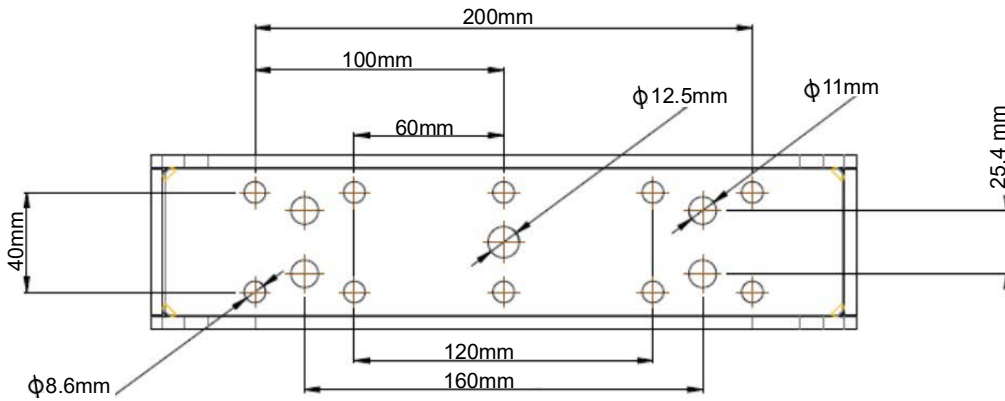
The vehicle computer and bracket must be firmly secured to a surface that can support the vehicle computer's weight. Always use four  $\phi 11\text{mm}$  holes with M10 screws to mount the bracket to the desired location. Using different holes and screws may cause damage and/or injury.



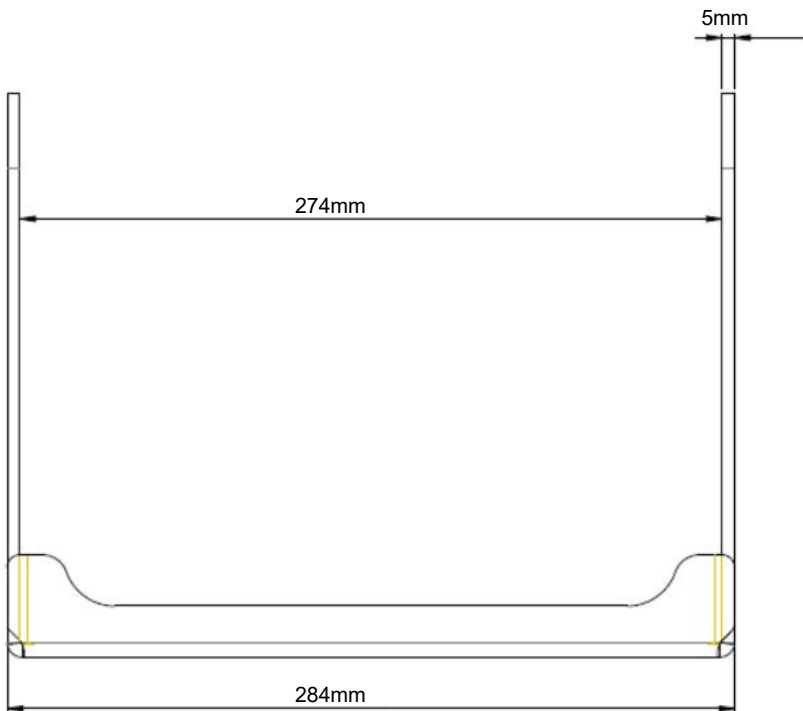
## CAUTION

Mounts used in industrial or vibration generating environments may be subjected to fatigue, stress, and/or part wear. A periodic inspection of the mounting hardware and mounts should be performed to ensure parts are retightened to the correct torque, free from fractures, excessive wear, and/or other environmental damage. Any parts found to be unsafe should be removed and replaced immediately. After inspection or replacement of parts, readjust the mount as required.

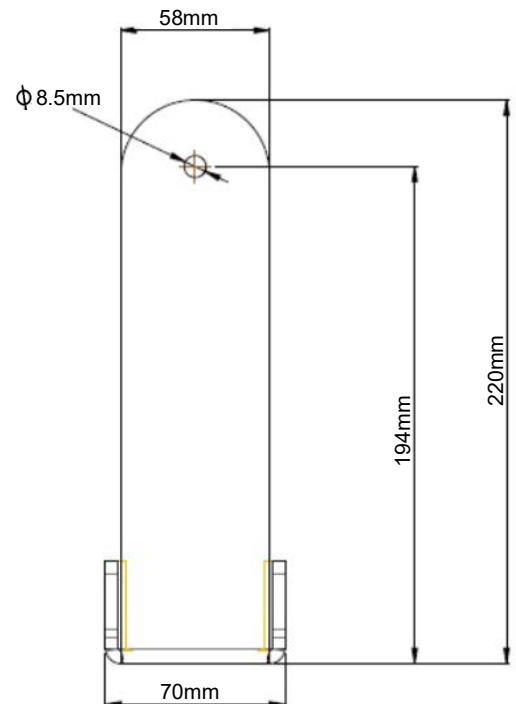
## Top View



## Front View



## Side View



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