

# 35176

## MOUNT KIT

CFMoto Uforce 1000

2024—\_\_

### Installation Instructions

**⚠ CAUTION**

Read this document before installing the snowplow.

**⚠ CAUTION**

See your sales outlet/website for specific vehicle application recommendations before installation. The online selection tool has specific vehicle and snowplow requirements.

## SAFETY DEFINITIONS

**⚠ WARNING**

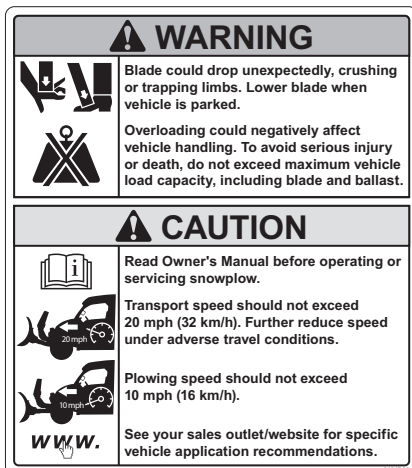
Indicates a potentially hazardous situation that, if not avoided, could result in death or serious personal injury.

**⚠ CAUTION**

Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

**NOTE:** Indicates a situation or action that can lead to damage to your snowplow and vehicle or other property. Other useful information can also be described.

## Warning/Caution Label

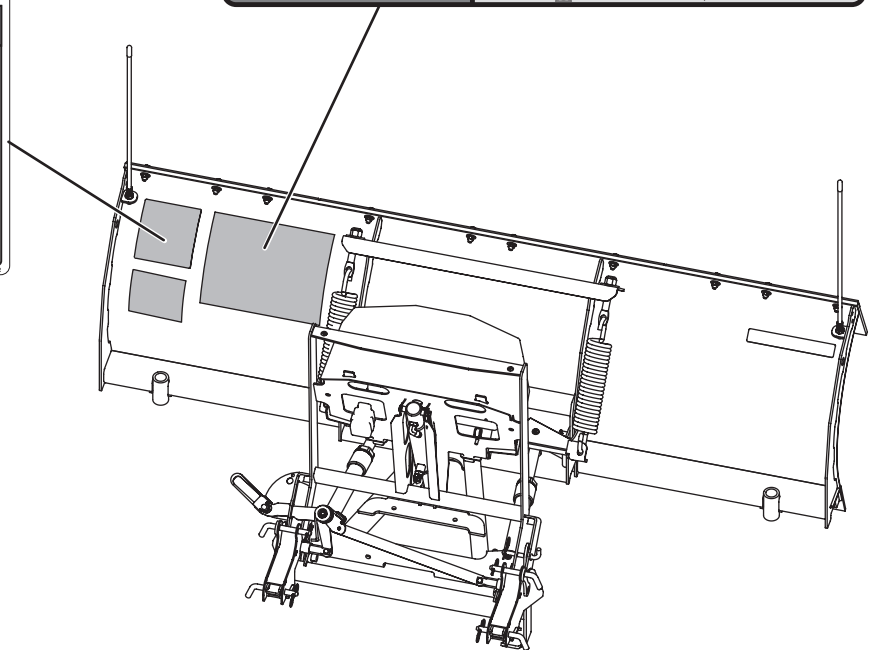
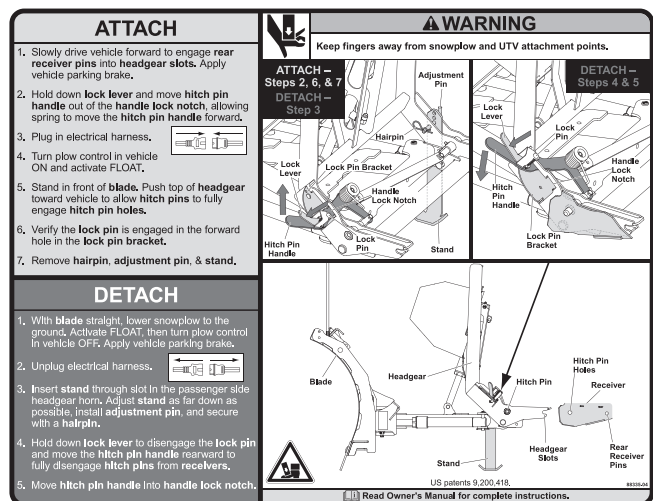


## WARNING/CAUTION &amp; INSTRUCTION LABELS

Become familiar with and inform users about the warning/caution and instruction labels on the back of the blade.

**NOTE:** If labels are missing or cannot be read, see your sales outlet.

## Attach/Detach Label



## SAFETY PRECAUTIONS

Follow all safety and operating instructions in your UTV owner's manual.

Improper installation and operation could cause personal injury, and/or equipment and property damage. Read and understand labels and the Owner's Manual before installing, operating, or making adjustments.

### WARNING

**Lower the blade when vehicle is parked. Temperature changes could change hydraulic pressure, causing the blade to drop unexpectedly or damaging hydraulic components. Failure to do this could result in serious personal injury.**

### WARNING

**The driver shall keep bystanders clear of the blade when it is being raised, lowered, or angled. Do not stand between vehicle and blade or within 8 feet of a moving blade. A moving or falling blade could cause personal injury.**

### WARNING

**Keep hands and feet clear of the blade and A-frame when mounting or removing the snowplow. Moving or falling assemblies could cause personal injury.**

### WARNING

**Do not exceed GVWR, GAWR, or maximum vehicle load capacity, including the blade and ballast.**

### WARNING

**To prevent accidental movement of the blade, always turn the control OFF whenever the snowplow is not in use. The power indicator light will turn OFF.**

### WARNING

**Remove blade assembly before placing vehicle on hoist.**

### WARNING

**Vehicle mount reduces ground clearance. Use additional caution when driving vehicle with mount installed. Remove vehicle mount to restore original vehicle ground clearance at the end of the plowing season.**

### CAUTION

**Refer to the online selection tool for minimum vehicle recommendations and ballast requirements.**

## PERSONAL SAFETY

- Remove the ignition key and put the vehicle in PARK or in gear to prevent others from starting the vehicle during installation or service.
- Wear only snug-fitting clothing while working on your vehicle or snowplow.
- Do not wear jewelry or a necktie, and secure long hair.
- Wear safety goggles to protect your eyes from battery acid, gasoline, dirt, and dust.
- Avoid touching hot surfaces such as the engine, radiator, hoses, and exhaust pipes.
- Always have a fire extinguisher rated BC handy, for flammable liquids and electrical fires.

## FIRE AND EXPLOSION

### WARNING

**Gasoline is highly flammable and gasoline vapor is explosive. Never smoke while working on vehicle. Keep all open flames away from gasoline tank and lines. Wipe up any spilled gasoline immediately.**

Be careful when using gasoline. Do not use gasoline to clean parts. Store only in approved containers away from sources of heat or flame.

## CELL PHONES

A driver's first responsibility is the safe operation of the vehicle. The most important thing you can do to prevent a crash is to avoid distractions and pay attention to the road. Wait until it is safe to operate mobile communication equipment such as cell phones, text messaging devices, pagers, or two-way radios.

## VENTILATION

### WARNING

**Vehicle exhaust contains lethal fumes. Breathing these fumes, even in low concentrations, can cause death. Never operate a vehicle in an enclosed area without venting exhaust to the outside.**

## NOISE

Airborne noise emission during use is below 95 dB(A) for the snowplow operator.

## VIBRATION

Operating snowplow vibration does not exceed 2.5 m/s<sup>2</sup> to the hand-arm or 0.5 m/s<sup>2</sup> to the whole body.

## TORQUE CHART

### CAUTION

**Read instructions before assembling. Fasteners should be finger tight until instructed to tighten according to the torque chart. Use standard methods and practices when attaching snowplow, including proper personal protective safety equipment.**

### Recommended Fastener Torque Chart

#### Inch Fasteners Grade 5 and Grade 8

| Size    | Torque (ft-lb)                                                                            |                                                                                             | Size    | Torque (ft-lb)                                                                              |                                                                                             |
|---------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
|         |  Grade 5 |  Grade 8 |         |  Grade 5 |  Grade 8 |
| 1/4-20  | 8.4                                                                                       | 11.9                                                                                        | 9/16-12 | 109                                                                                         | 154                                                                                         |
| 1/4-28  | 9.7                                                                                       | 13.7                                                                                        | 9/16-18 | 121                                                                                         | 171                                                                                         |
| 5/16-18 | 17.4                                                                                      | 24.6                                                                                        | 5/8-11  | 150                                                                                         | 212                                                                                         |
| 5/16-24 | 19.2                                                                                      | 27.3                                                                                        | 5/8-18  | 170                                                                                         | 240                                                                                         |
| 3/8-16  | 30.8                                                                                      | 43.6                                                                                        | 3/4-10  | 269                                                                                         | 376                                                                                         |
| 3/8-24  | 35.0                                                                                      | 49.4                                                                                        | 3/4-16  | 297                                                                                         | 420                                                                                         |
| 7/16-14 | 49.4                                                                                      | 69.8                                                                                        | 7/8-9   | 429                                                                                         | 606                                                                                         |
| 7/16-20 | 55.2                                                                                      | 77.9                                                                                        | 7/8-14  | 474                                                                                         | 669                                                                                         |
| 1/2-13  | 75.3                                                                                      | 106.4                                                                                       | 1-8     | 644                                                                                         | 909                                                                                         |
| 1/2-20  | 85.0                                                                                      | 120.0                                                                                       | 1-12    | 704                                                                                         | 995                                                                                         |

#### Metric Fasteners Class 8.8 and 10.9

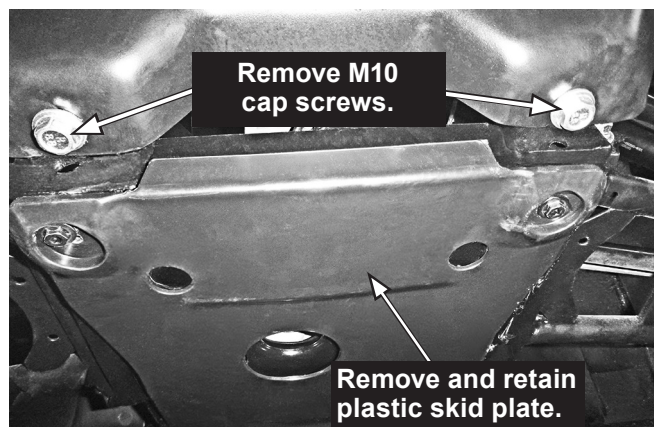
| Size       | Torque (ft-lb)                                                                                |                                                                                                  | Size       | Torque (ft-lb)                                                                                  |                                                                                                  |
|------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|            |  Class 8.8 |  Class 10.9 |            |  Class 8.8 |  Class 10.9 |
| M6 x 1.00  | 7.7                                                                                           | 11.1                                                                                             | M20 x 2.50 | 325                                                                                             | 450                                                                                              |
| M8 x 1.25  | 19.5                                                                                          | 26.9                                                                                             | M22 x 2.50 | 428                                                                                             | 613                                                                                              |
| M10 x 1.50 | 38.5                                                                                          | 53.3                                                                                             | M24 x 3.00 | 562                                                                                             | 778                                                                                              |
| M12 x 1.75 | 67                                                                                            | 93                                                                                               | M27 x 3.00 | 796                                                                                             | 1139                                                                                             |
| M14 x 2.00 | 107                                                                                           | 148                                                                                              | M30 x 3.50 | 1117                                                                                            | 1545                                                                                             |
| M16 x 2.00 | 167                                                                                           | 231                                                                                              | M33 x 3.50 | 1468                                                                                            | 2101                                                                                             |
| M18 x 2.50 | 222                                                                                           | 318                                                                                              | M36 x 4.00 | 1952                                                                                            | 2701                                                                                             |

These torque values apply to fasteners except those noted in the instructions.

## INSTALLATION INSTRUCTIONS

**NOTE:** For easier assembly and installation, vehicle and all snowplow components should be on a smooth, level, hard surface, such as concrete.

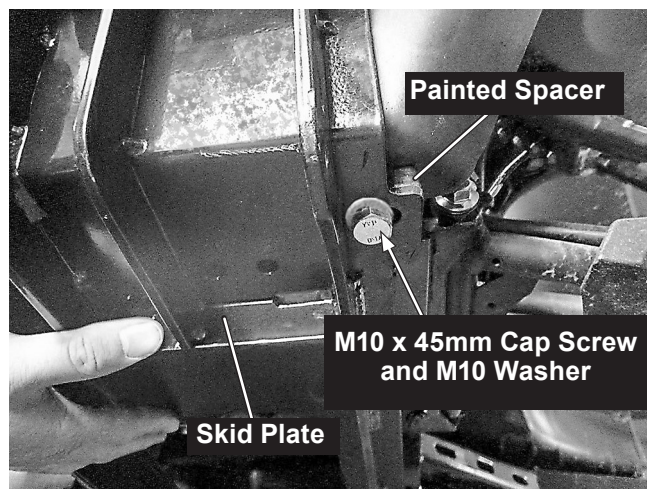
1. Remove the M10 cap screws from the bottom of the front brush guard. Remove the plastic skid plate. Save the skid plate and hardware for reinstallation if the mount is removed.



2. Position the skid plate against the bottom of the vehicle, ensuring that the front slots of the skid plate are lined up with the corresponding slots on the front brush guard.

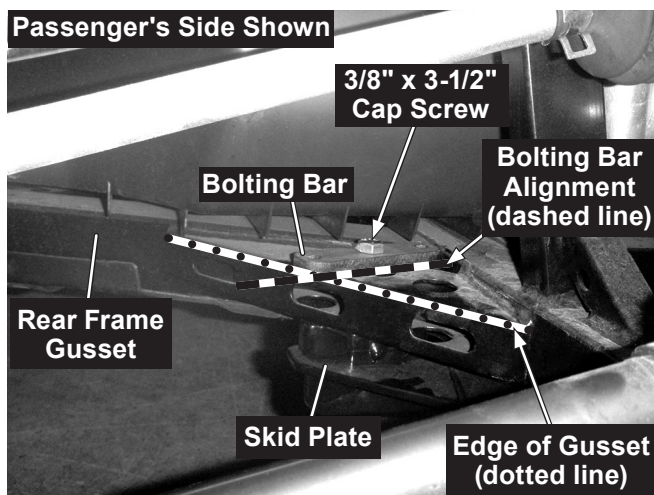
Place the painted spacers between the skid plate and vehicle frame. Position the spacers directly over the front slots of the skid plate.

3. Place M10 washers on each of the two M10 x 45mm cap screws. Insert one M10 x 45mm cap screw with an M10 washer through each of the front slots of the skid plate. Thread the screws through the skid plate, painted spacers, and into the bottom of the front brush guard. Do not tighten the fasteners at this time; leave fasteners loose for adjustment later.

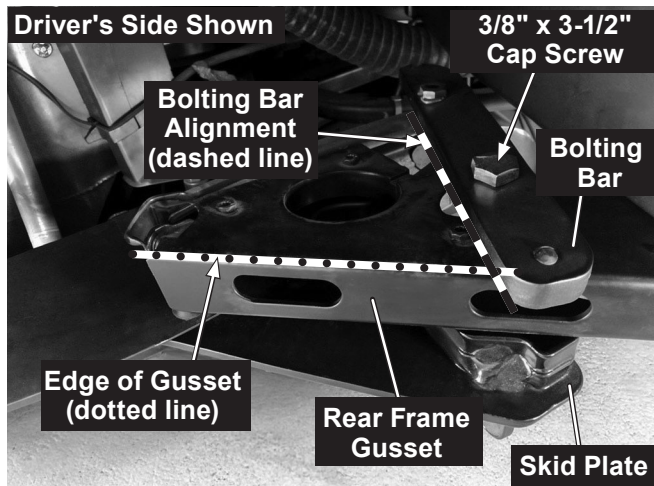


4. Place a bolting bar over the rear frame gusset. Ensure that the bolting bar is positioned close to perpendicular to the longitudinal axis of the rear frame gusset. Insert a 3/8" x 3-1/2" cap screw downward through the bolting bar, frame gusset, and skid plate. Fasten the cap screw with a 3/8" washer and 3/8" locknut. Hand tighten.

**NOTE:** The bolting bar alignment (dashed line in photos below) and the edge of the gusset (dotted line in photos below) must be close to perpendicular with one another.



5. Repeat Step 4 on the opposite side of the vehicle.

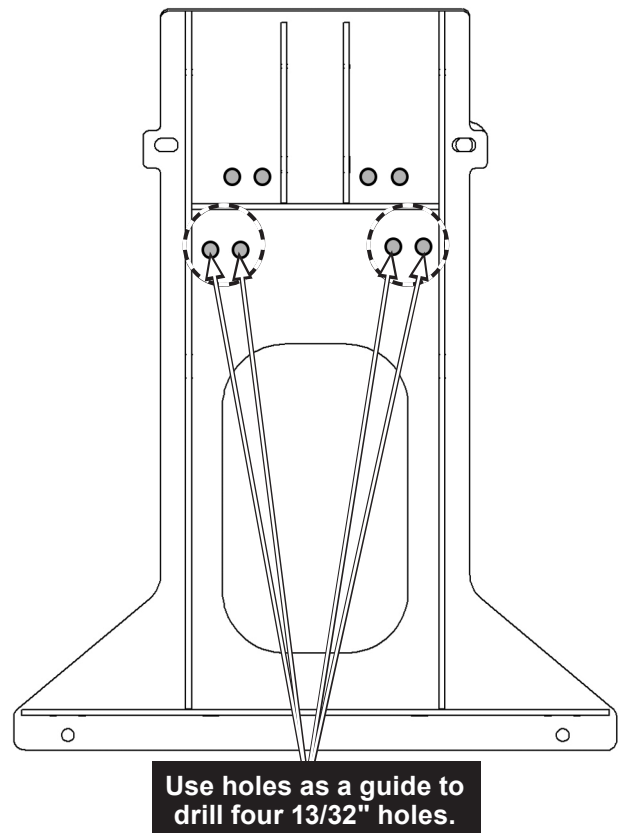


6. Center the skid plate left to right on the vehicle, then tighten the M10 x 45mm cap screws installed in Step 3 according to the torque chart.
7. Tighten the 3/8" x 3-1/2" fasteners installed in Steps 4 and 5 according to the torque chart.

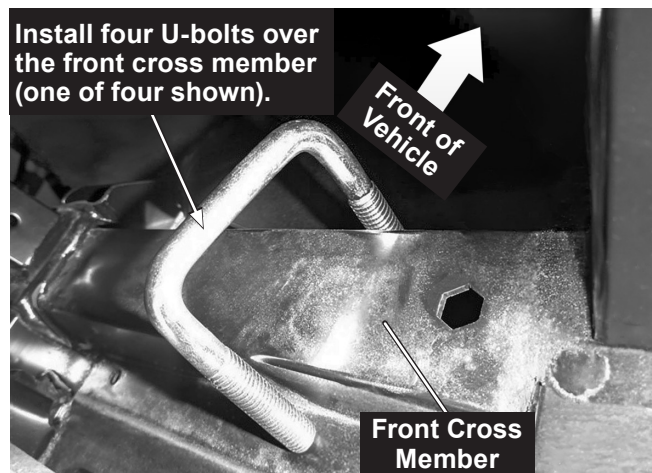
### ⚠ CAUTION

Before drilling holes, check to be sure that no vehicle wiring or other components could be damaged.

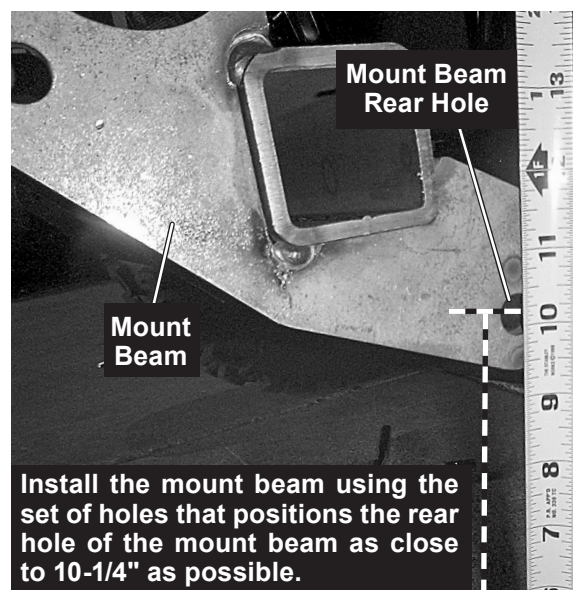
8. Use the rear set of holes located near the middle of the skid plate as a guide to drill four 13/32" holes through the vehicle frame.



9. Install four 3/8" U-bolts over the front cross member. Insert the legs of each U-bolt down through the skid plate. Fasten each U-bolt with two 3/8" locknuts. Hand tighten.



10. Install the mount beam to the skid plate using four 1/2" x 1-1/4" cap screws. Use the set of holes that positions the rear hole of the mount beam approximately 10-1/4" from the ground. Fasten each cap screw with a 1/2" locknut. Hand tighten.



11. Once all components are properly aligned, tighten all fasteners according to the torque chart.
12. Measure the distance between the mount beam rear hole and the ground. If the distance exceeds 11-1/2", install the accessory Height Adapter Plate Kit (PN 77555) to ensure optimum plowing performance.

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**NOTE: After five to ten hours of snowplow usage, retorque all mount assembly fasteners.**

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