



# Fiamma F45s Awning Bracket Installation Manual: Sprinter & Ford Transit HSLD

SKU's: 1006-MK20-00 REV 0

SKU's: 1006-MK21-00 REV 0

Date: 10/17/23

Revision: 1

#### Fiamma F45s Awnings

- The Fiamma F45s Awnings are wall mount awnings which also makes them great rack or side mount awnings.
- The Unaka awning brackets do not replace the Fiamma factory awning brackets, but instead provide an interface between their bracket and our racks.
- The Fiamma F45s awning manual should be followed, and our adapter brackets used as needed for the awning bracket to rack interface

**Unaka Manuals:** Use this link to find the manuals for any accessories and Review them before beginning this installation. <a href="https://unakagearco.com/pages/manuals">https://unakagearco.com/pages/manuals</a>

- This page includes links to the Fiamma F45s manual for reference only. Please use the manual provided with your awning in case it differs from this link.
- This page includes a link to a Fiamma F45s installation video. This may not match the specific brackets or rack you are using, but it may provide you with some insight on how the process goes.

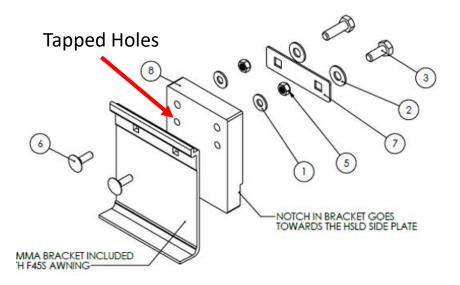
#### !!! Multiple Bracket Versions Covered In This Manual !!!

- WARNING: This manual includes directions on how to install two versions of the Sprinter & Transit HSLD Awning Brackets
- Make sure you are referencing the correct section of the manual that matches the SKU and parts you have in hand

SKU: 1006-MK20-00 REV 0

Date: Most orders shipped before 10/12/2023

Note: Adapter bracket has tapped holes in it

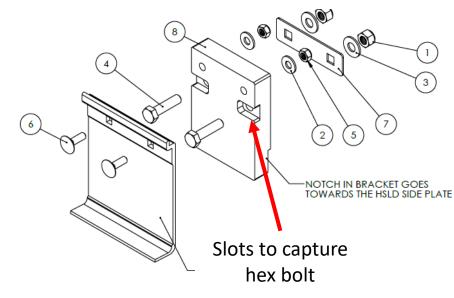


SKU: 1006-MK21-00 REV 0

Date: Most orders shipped after 10/12/2023

Note: Mounting hardware captured inside the

bracket



#### **Safety and PPE**

**Ladders:** Installation of this roof rack requires two ladders for two people to help with the installation. Make sure that you ladders are tall enough, and that you have a level area to use them on. Accessing the roof of your van will put you at extreme risk to potential falls which can result in injury or death.

Warning: Ladders are dangerous and should only be used with appropriate training. Incorrect use of ladders can result in injury or death.

**Fall Protection:** Accessing the roof of your van will put you at extreme risk to potential falls which can result in injury or death. Appropriate fall protection should be used when accessing your van roof. For general use situations, OSHA requires that fall protection be provided at elevations of four feet in general industry workplaces.

### **Required Tools**

# Required Tools

- 2 tall sturdy ladders
- Standard & Metric set of box wrenches
- Standard & Metric socket set
- Torque Wrench
- Measuring Tape

# Loctite & Anti-seize

#### Blue Loctite 242

 Apply this to any bolt that is not used with a nylock nut

## Loctite Anti-seize

• Apply a dab of anti-seize to the side of each bolt that will be paired with a nylock nut. Nylock nuts have a small plastic insert to make them vibration resistant.



Loctite 242



Loctite C5-A Anti-Seize

# SKU: 1006-MK21-00 REV 0

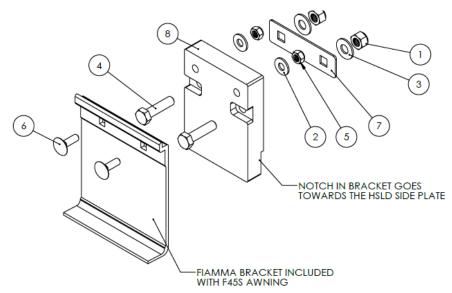
- The following pages cover installation on 1006-MK21-00 REV 0. This will be used for most orders shipped after 10/12/2023.
- Make sure you are referencing the correct section of the manual that matches the SKU and parts you have in hand

SKU: 1006-MK21-00 REV 0

Date: Most orders shipped after 10/12/2023

Note: Mounting hardware captured inside the

bracket



**Installation Overview:** SKU 1006-MK21-00 REV 0

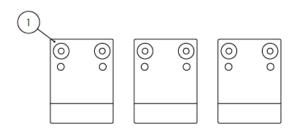
General overview, but the user should blend the information shown with the official process highlighted in Fiamma's manual

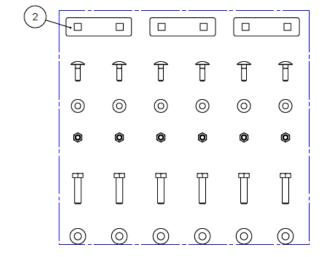
- 1. Note the Unaka brackets do not replace the Fiamma factory brackets, they just act as an interface between their brackets and our racks. Follow Fiamma's installation manual for your awning using our brackets as the interface between the awning and our rack.
- 2. Insert the 5/16-18 hex bolts into the Unaka Adapter bracket so the head is captured, and the threaded ends are sticking out out the other side
- 3. Use the M6 hardware provided with our kit to secure the Fiamma Bracket to our adapter bracket. Apply a small dab of antiseize to the M6 bolt during this step.
- 4. Test fit the awning / adapter brackets as needed to determine their location on the rack, and the awning
  - 1. Test fit typically requires an initial installation of the adapter brackets onto the rack.
  - 2. The location of the brackets should be marked on the rack as needed, as well as on the awning
  - 3. One the location has been identified, remove the awning, then remove the adapter brackets from the rack
  - 4. Install the awning & adapter bracket assembly to the awning using your marks to ensure it gets secured in the right place
- 5. Once the bracket assembly is installed on the awning, raise the awning with brackets back to the HSLD side rail where they were previously installed
- 6. Use the 5/16 washer, hex nuts, and custom washer plate to secure the awning w/brackets to the HSLD side rail. Apply ant seize to the hex bolt during this step.
- 7. Torque assembly

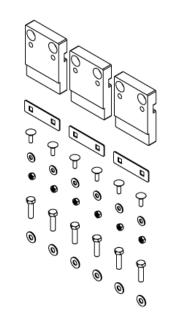
#### What is Included

ITEM NO.	Manufacturer	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	Unaka Gear Co.	1006-MP21-01 REV 0	FIAMMA F45S AWNING HSLD SPACER	6061 Alloy	3
2	Unaka Gear Co.	1006-MK21-00-HW REV 0	FIAMMA F45S AWNING BRACKET SET OF 3, SPRINTER & FORD HSLD HARDWARE	ASSEMBLY	1

	REVISIONS									
ZONE	REV.	DESCRIPTION	DATE	APPROVED						
	0	BUMPED REVISION FOR RELEASE	10/12/2023	JEO						







#### KITTING AND PACKAGING NOTES:

- 1. HARDWARE SHOULD BE BAGGED
- BRACKETS AND BAG OF HARDWARE SHOULD BE PACKAGED, ENSURING HARDWARE BAG CAN NOT SHAKE AROUND AND COME OPEN
- BRACKETS SHOULD BE PACKAGED SO THAT THE FINISH CAN NOT BE DAMAGED
- IF NO OFFICIAL PACKAGE IS AVALIABLE, BRACKETS AND BAG OF HARDWARE SHOULD BE WRAPPED UP CAREFULLY USING PLASTIC WRAP OR SIMILAR

UNLESS OTHERWISE SPECIFIED TITLE: DO NOT SCALE DRAWING DIMENSIONS ARE IN INCHES TOLERANCES: ANGULAR: ±0.5\* ONE PLACE DECIMAL: ±0.1 FIAMMA F45S AWNING NAME BRACKET SET OF 3, DRAWN ------TWO PLACE DECIMAL: ±0.01 \_\_ THREE PLACE DECIMAL: ±0.005 CHECKED ---SPRINTER & FORD HSLD PROPRIETARY AND CONFIDENTIAL SIZE DWG. NO. THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF UNATA GEAR CO. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF UNATA GEAR CO. IS STRICTLY PROHIBITED. **B** 1006-MK21-00 REV 0

POST PROCESSING: FINISH:

ASSEMBLY None

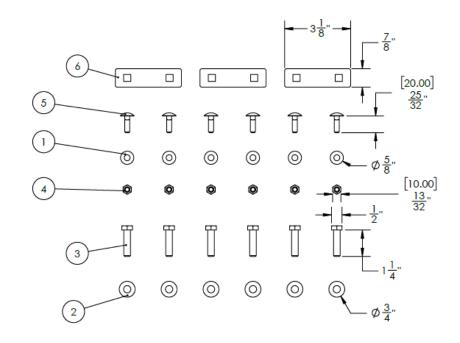
**GEAR CO** 

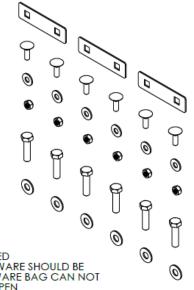
SCALE: NTS SHEET 1 OF 1

#### **Hardware**

ITEM NO.	Manufacturer	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	ANY	92141A029	WASHER, 1/4", 0.625" OD, 18-8 SS	NA	6
2	ANY	92141A030	FLAT WASHER, 5/16" SCREW SIZE, 0.344" ID, 0.75" OD, 18-8 SS	NA	6
3	ANY	92240A585	HEX HEAD BOLT, 5/16"-18 X 1.25" LG, 18-8 SS	NA	6
4	ANY	93625A250	HEX NUT, NYLOCK, M6 X 1MM THREAD, 18-8 SS	NA	6
5	ANY	97248A313	CARRIAGE BOLT, M6 X 1MM THREAD X 20MM LG, 18-8 SS	NA	6
6	Unaka Gear Co.	1006-MB10-02	SPRINTER RACK RAIL DOUBLE WASHER, 2" SPACING	AISI 304	3

	REVISIONS								
ZONE	REV.	DESCRIPTION	DATE	APPROVED					
	0	BUMPED REVISION FOR RELEASE	10/12/2023	JEO					





KITTING AND PACKAGING NOTES:

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- BRACKETS AND BAG OF HARDWARE SHOULD BE PACKAGED, ENSURING HARDWARE BAG CAN NOT SHAKE AROUND AND COME OPEN
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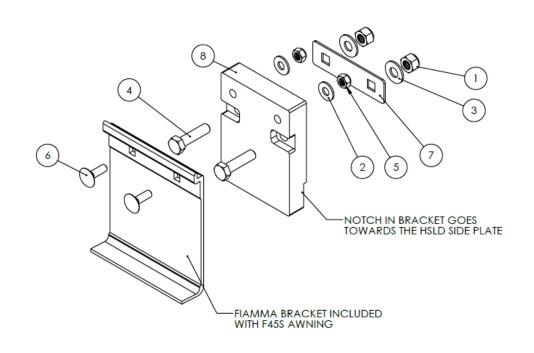
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DO NOT SCALE DRAWING			TITLE: FIAMMA F45S AWNING			
TOLERANCES: ANGULAR: +0.5*		NAME	DATE	BRACKET SET OF 3,			,
ONE PLACE DECIMAL: ±0.1 TWO PLACE DECIMAL: ±0.01	ONE PLACE DECIMAL: ±0.1 DRAWN SPRINTER		SPRINTER & FORD HSLD				
THREE PLACE DECIMAL: ±0.005	CHECKED			HARDWARE			
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF UNAKA GEAR CO. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF	UN	V K 39	^	B DWG.	NO. MK21-00-HW	REV 0	REV O
UNAKA GEAR CO. IS STRICTLY PROHIBITED.		AR CO		SCALE: NTS		SHE	T 1 OF 1

POST PROCESSING: ASSEMBLY FINISH:

None

#### Single bracket component overview

ITEM NO.	Manufacturer	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	ANY	91831A030	LOCKNUT, 5/16-18, 18-8 S.S.	NA	2
2	ANY	92141A029	WASHER, 1/4", 0.625" OD, 18-8 SS	NA	2
3	ANY	92141A030	FLAT WASHER, 5/16" SCREW SIZE, 0.344" ID, 0.75" OD, 18-8 SS	NA	2
4	ANY	92240A585	HEX HEAD BOLT, 5/16"-18 X 1.25" LG, 18-8 SS	NA	2
5	ANY	93625A250	HEX NUT, NYLOCK, M6 X 1MM THREAD, 18-8 SS	NA	2
6	ANY	97248A313	CARRIAGE BOLT, M6 X 1MM THREAD X 20MM LG, 18-8 SS	NA	2
7	Unaka Gear Co.	1006-MB10-02	SPRINTER RACK RAIL DOUBLE WASHER, 2" SPACING	AISI 304	1
8	Unaka Gear Co.	1006-MP21-01 REV 0	SPRINTER AWNING SPACER	6061 Alloy	1



	REVISIONS								
zo	NE REV.	DESCRIPTION	DATE	APPROVED					
	0	BUMPED REVISION FOR RELEASE	10/12/2023	JEO					

#### ASSEMBLY STEPS:

- NOTE THE UNAKA BRACKETS DO NOT REPALCE THE FIAMMA FACTORY BRACKETS, THEY JUST ACT AS AN INTERFACE BETWEEN THEIR BRACKETS AND OUR RACKS. FOLLOW FIAMMA'S INSTALLATION MANUAL FOR YOUR AWNING USING OUR BRACKETS AS THE INTERFACE BETWEEN THE AWNING AND OUR RACK.
- 2. INSERT HEX BOLT (4) INTO SLOTS IN BRACKET (8)
- 3. USE 6, 2, AND 5 TO BOLT FIAMMA FACTORY BRACKET TO UNAKA SPACER 8 CAPTURING HEX BOLT 4. \*\*APPLY A SMALL

DAB OF ANTISEIZE TO (6) DURING THIS STEP

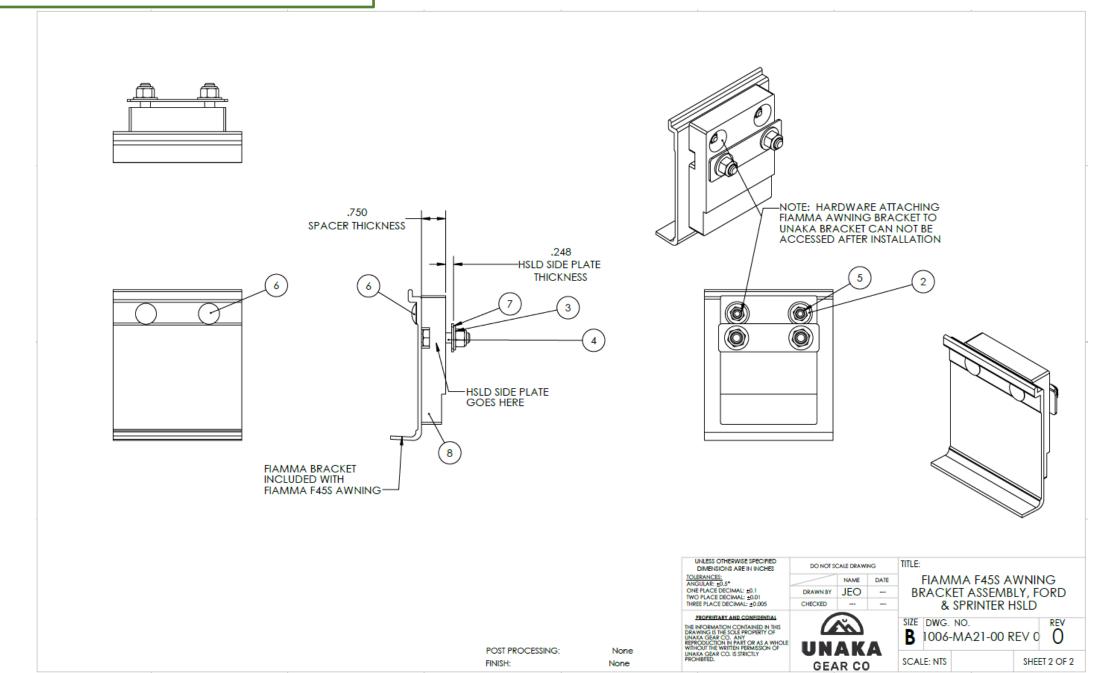
- TEST FIT AS NEEDED / DETERMINE WHERE THE ASSEMBLY ABOVE WILL BE LOCATED ON THE AWNING
- TEST FIT TYPICALLY REQUIRES INITIAL INSTALLATION OF BRACKET ASSSEMBLY ON RACK, HANGING AWNING, MARKING BRACKET LOCATIONS ON AWNING, REMOVING AWNING, AND THEN INSTALLING BRAKETS TO AWNING
- ONCE BRACKET ASSEMBLY IS INSTALLED ON THE AWNING, RAISE IT BACK UP TO THE HSLD SIDE RAIL WHERE PREVIOUS MOUNTING WAS DETERMINED
- 7. THE HSLD SIDE PLATE IS LOCATED BETWEEN ITEM (7) AND (8)
- 8. USE (4) WHICH IS CAPTURED BY THE FIAMMA BRACKET AND BRACKET
  - 8 , (3), AND (7) TO SECURE THE BRACKET TO THE HSLD SIDE

PLATE. APPLY A DAB OF ANTISEIZE TO ITEM (4) DURING THIS STEP AND TORQUE TO 132 IN-LBS TO 11 FT LBS.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DO NOT SCALE DRAWING			TITLE:		
DLERANCES: NGULAR: ±0.5*		NAME	DATE	FIAMMA I	F45S AWNING	
NE PLACE DECIMAL: +0.1 NO PLACE DECIMAL: +0.01	DRAWN BY	JEO		BRACKET ASSEMBLY, FOR SPRINTER HSLD		
REE PLACE DECIMAL: ±0.005	CHECKED					
PROPRIETARY AND CONFIDENTIAL  E INFORMATION CONTAINED IN THIS TAWNING IS THE SOLE PROPERTY OF TAKE GEAR CO. ANY PRODUCTION IN PART OR AS A WHOLE THOUT THE WRITTEN PERMISSION OF	_	V K	Δ	B 1006-MA2	21-00 REV 0	
NAKA GEAR CO. IS STRICTLY OHIBITED.		D CC		SCALE: NTS	SHEET 1 OF 2	

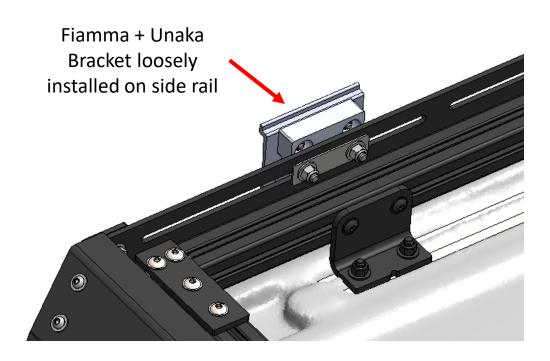
POST PROCESSING: FINISH: None None

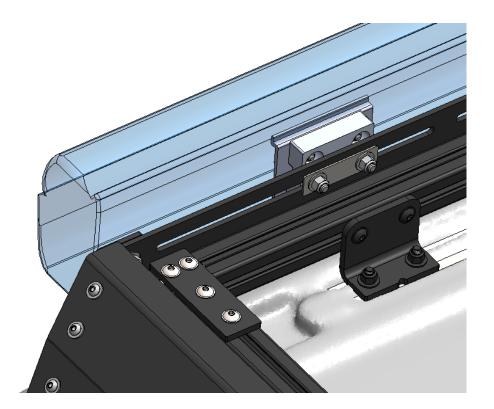
# Single bracket component overview



#### **Initial Bracket Fit Up**

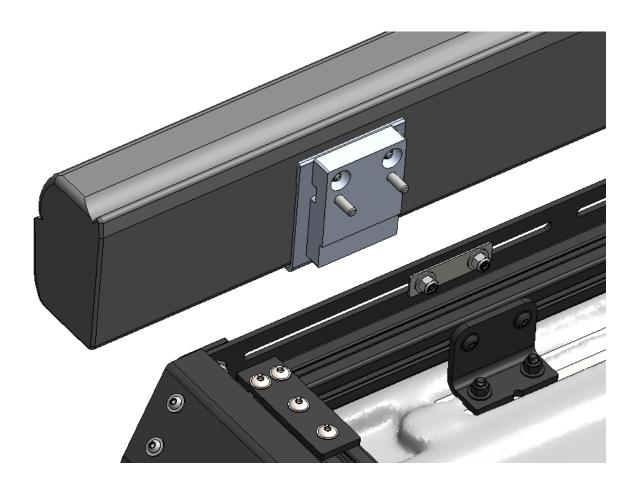
- 1. Mount all 3 of the Fiamma F45s factory adapters to the Unaka Adapters, see previous pages for details. \*\*\*\*If there is any play with respect to the Fiamma Bracket and Unaka Bracket, make sure all brackets are installed the same with respect to the play.
- 2. Mount the Fiamma + Unaka Adapter assembly to the side rails roughly, approximately where you want them to be with respect to the specified locations on the Fiamma awning
- 3. Hang the Fiamma F45s awning from the Fiamma + Unaka Assembly
- 4. Re-position or adjust the brackets and awning as desired
- 5. Mark the bracket locations on the awning, as well as on the rack using painters tape. Ensure you can remove the tape from the rack with the awning installed.



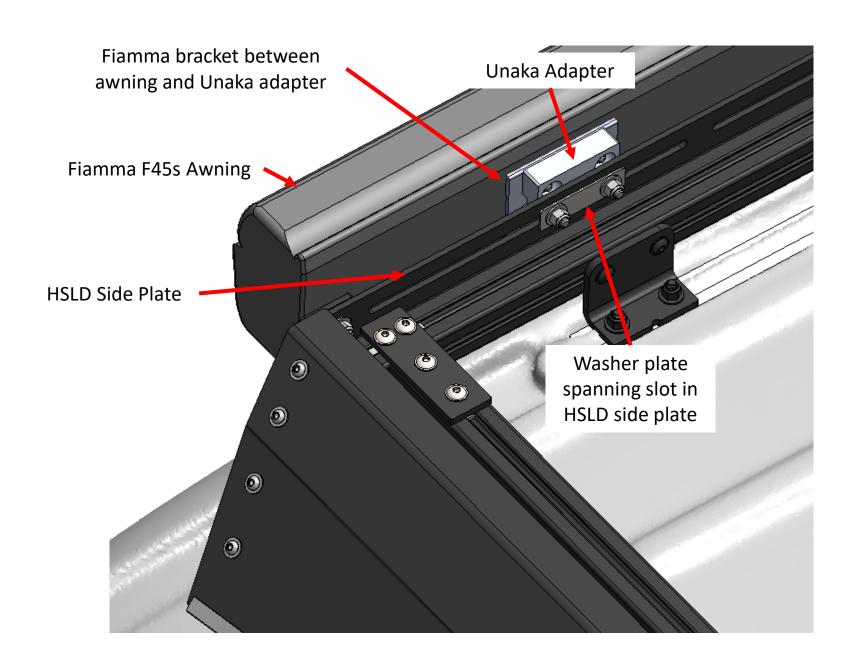


### **Initial Bracket Fit Up**

- 1. Remove the awning, and brackets from the roof
- 2. Install the awning bracket assembly to the Fiamma F45s awning per Fiamma's directions.
- 3. Raise the awning + bracket assemblies back up to the rack, line up the bolts extending from the brackets with the slots & positions previously used during the initial test fit up
- 4. Use hardware to secure the awning + brackets to the HSLD rack

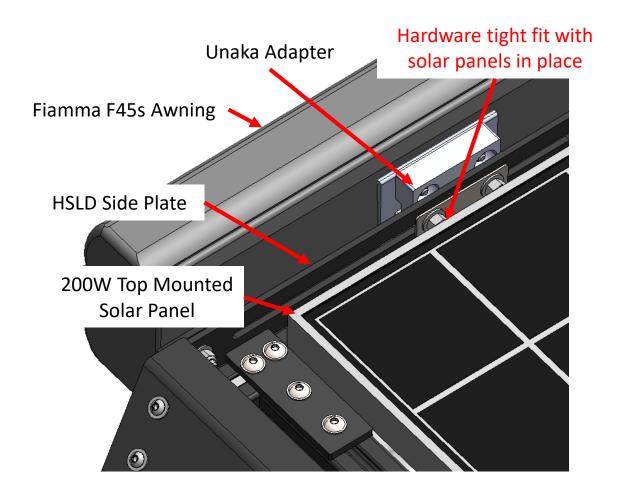


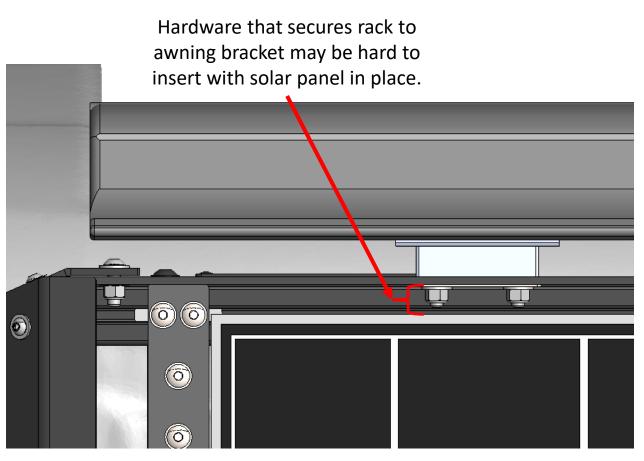
# Awning bracket shown interfacing between awning and rack



#### Hardware fit between bracket and solar panel

- 1. If an awning bracket and solar panel are going to occupy the same space, try to install the awning before the solar panels.
- 2. If the solar panels are already installed, installing the hardware may be difficult
- 3. If you have enough ladders and people, the awning can be raised into place, lining the bolts extending from the brackets with the rack slots, then adding the hardware as the bolts are slide into the slots
- 4. If this does not work, the solar panels may have to be removed or slightly adjusted to complete the awning install





#### **Preventative Maintenance Checks**

Even though we do not expect any of the hardware to come loose, we recommend checking your roof rack and awning hardware from time to time to help minimize the chance of something coming loose over time. Using the appropriate wrenches check the roof rack hardware to ensure nothing is coming loose at the intervals below. Also inspect the Fiamma factory brackets, the Unaka Brackets, as well as the parts they are bolted to looking for any cracks or signs of fatigue.

- Initial check after 4 to 7 days of moderate driving
- Follow Up Check 1 month after moderate driving
- Routine checks 3 to 4 months of moderate driving
- Anytime after moderate driving on bumpy roads or gravel roads

This completes the installation of your awning.

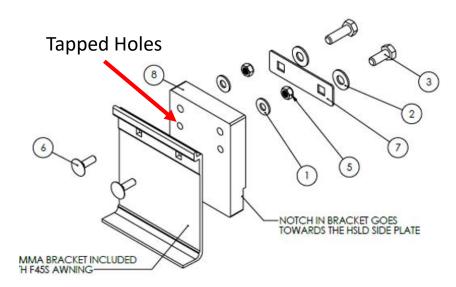
# SKU: 1006-MK20-00 REV 0

- The following pages cover installation on 1006-MK20-00 REV 0. This will be used for most orders shipped before 10/12/2023.
- Make sure you are referencing the correct section of the manual that matches the SKU and parts you have in hand

SKU: 1006-MK20-00 REV 0

Date: Most orders shipped before 10/12/2023

Note: Adapter bracket has tapped holes in it



#### **Installation Overview**

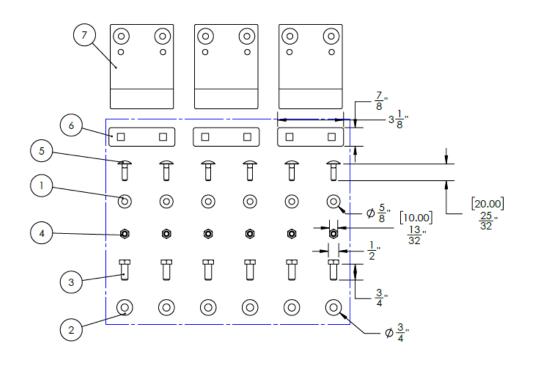
General overview, but the user should blend the information shown with the official process highlighted in Fiamma's manual

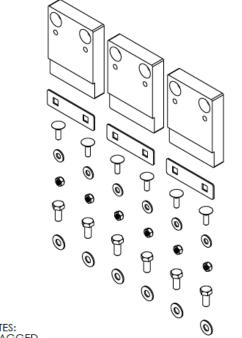
- 1. Note the Unaka brackets do not replace the Fiamma factory brackets, they just act as an interface between their brackets and our racks. Follow Fiamma's installation manual for your awning using our brackets as the interface between the awning and our rack.
- 2. Use the M6 hardware provided with our kit to secure the Fiamma Bracket to our adapter bracket. Apply a small dab of antiseize to the M6 bolt during this step.
- 3. Test fit the awning / adapter brackets as needed to determine their location on the rack, and the awning
  - 1. Test fit typically requires an initial installation of the adapter brackets onto the rack.
  - 2. The location of the brackets should be marked on the rack as needed, as well as on the awning
  - 3. One the location has been identified, remove the awning, then remove the adapter brackets from the rack
  - 4. Install the awning & adapter bracket assembly to the awning using your marks to ensure it gets secured in the right place
- 4. Once the bracket assembly is installed on the awning, raise the awning with brackets back to the HSLD side rail where they were previously installed
- 5. Use the 5/16 Hex bolt, washer, and customer washer plate to secure the awning w/brackets to the HSLD side rail. Apply blue Loctite 242 to the hex bolt during this step.
- 6. Torque assembly

#### What is Included

ITEM NO.	Manufacturer	PART NUMBER	DESC	RIPTION	MATERIAL	QTY.
1	ANY	92141A029	WASHER, 1/4", (	0.625" OD, 18-8 SS	NA	6
2	ANY	92141A030		6" SCREW SIZE, 0.344" OD, 18-8 SS	NA	6
3	ANY	92240A581	HEX BOLT, 5/16"-1	8 X 0.75" LG, 18-8 SS	NA	6
4	ANY	93625A250		, M6 X 1MM THREAD, -8 SS	NA	6
5	ANY	97248A313		M6 X 1MM THREAD X .G, 18-8 SS	NA	6
6	Unaka Gear Co.	1006-MB10-02		AIL DOUBLE WASHER, ACING	AISI 304	3
7	Unaka Gear Co.	1006-MB20-01 REV	0 SPRINTER AW	NING BRACKET	6061 Alloy	3

REVISIONS								
ZONE	REV.	DESCRIPTION	DATE	APPROVED				
	0	BUMPED REVISION FOR RELEASE	8/15/2023	JEO				





KITTING AND PACKAGING NOTES: HARDWARE SHOULD BE BAGGED

- BRACKETS AND BAG OF HARDWARE SHOULD BE PACKAGED, ENSURING HARDWARE BAG CAN NOT SHAKE AROUND AND COME OPEN
- BRACKETS SHOULD BE PACKAGED SO THAT THE FINISH CAN NOT BE DAMAGED
- IF NO OFFICIAL PACKAGE IS AVALIABLE, BRACKETS AND BAG OF HARDWARE SHOULD BE WRAPPED UP CAREFULLY USING PLASTIC WRAP OR SIMILAR

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DO NOT SCALE DRAWING			TITLE:		
TOLERANCES: ANGULAR: ±0.5* ONE PLACE DECIMAL: +0.1	DRAWN CHECKED		DATE	FIAMMA F45S AWN BRACKET SET OF		
TWO PLACE DECIMAL: ±0.01 THREE PLACE DECIMAL: ±0.005			-	SPRINTER HSLD		
PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF UNAKA GEAR CO. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF UNAKA GEAR CO. IS STRICTLY PROHIBITED.	UN	AK	A	B 1006-MK20-00 REV	O O	

POST PROCESSING: FINISH:

ASSEMBLY None

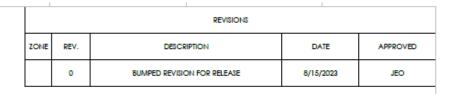
GEAR CO

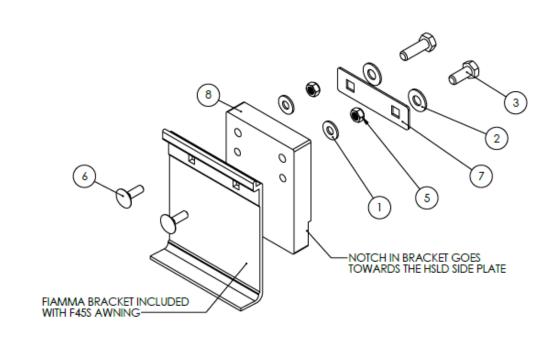
SCALE: NTS

SHEET 1 OF 1

### Single bracket component overview

ITEM NO.	Manufacturer	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
1	ANY	92141A029	WASHER, 1/4", 0.625" OD, 18-8 SS	NA	2
2	ANY	92141A030	FLAT WASHER, 5/16" SCREW SIZE, 0.344" ID, 0.75" OD, 18-8 SS	NA	2
3	ANY	92240A581	HEX BOLT, 5/16"-18 X 0.75" LG, 18- 8 SS	NA	1
4	ANY	92240A583	HEX BOLT, 5/16"-18 X 1" LG, 18-8 SS	NA	1
5	ANY	93625A250	HEX NUT, NYLOCK, M6 X 1MM THREAD, 18-8 SS	NA	2
6	ANY	97248A313	CARRIAGE BOLT, M6 X 1MM THREAD X 20MM LG, 18-8 SS	NA	2
7	Unaka Gear Co.	1006-MB10-02	SPRINTER RACK RAIL DOUBLE WASHER, 2" SPACING	AISI 304	1
8	Unaka Gear Co.	1006-MB20-01 REV 0	SPRINTER AWNING BRACKET	6061 Alloy	1





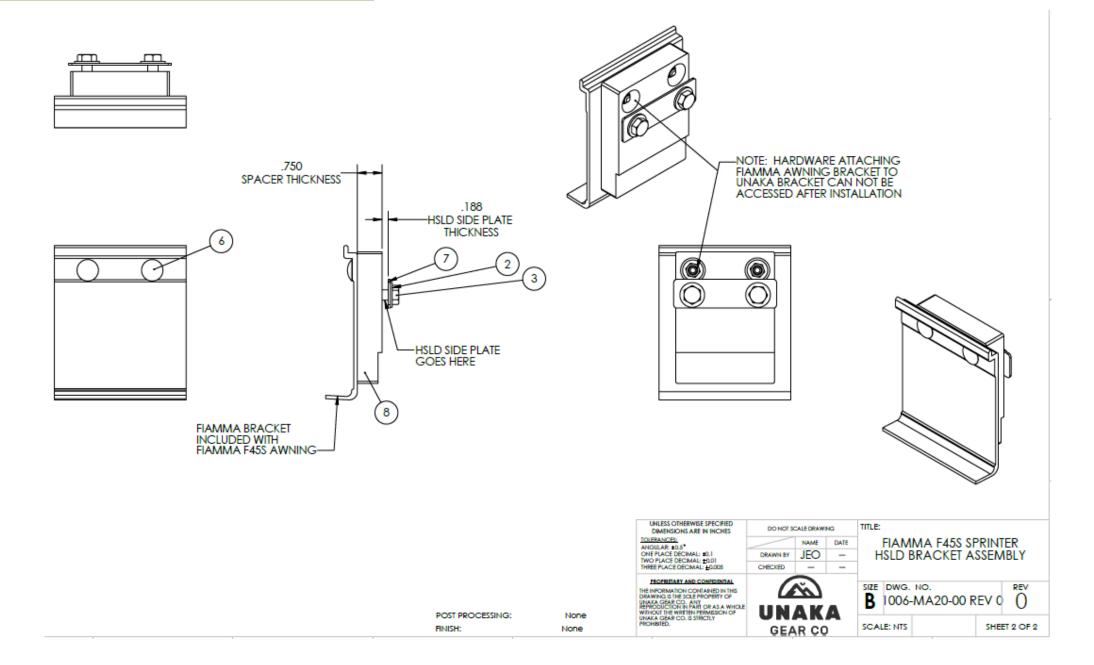
ASSEMBLY STEPS

- NOTE THE UNAKA BRACKETS DO NOT REPALCE THE FIAMMA FACTORY BRACKETS, THEY JUST ACT AS AN INTERFACE BETWEEN THEIR BRACKETS AND OUR RACKS. FOLLOW FIAMMA'S INSTALLATION MANUAL FOR YOUR AWNING USING OUR BRACKETS AS THE INTERFACE BETWEEN THE AWNING AND OUR RACK.
- 2. USE (6), (1), AND (5) TO BOLT FIAMMA FACTORY BRACKET TO
  - UNAKA SPACER 8. \*\*APPLY A SMALL DAB OF ANTISEIZE TO 6
    DURING THIS STEP
- TEST FIT AS NEEDED / DETERMINE WHERE THE ASSEMBLY ABOVE WILL BE LOCATED ON THE AWNING
- 4. TEST FIT TYPICALLY REQUIRES INITIAL INSTALLATION OF BRACKET
  ASSSEMBLY ON RACK, HANGING AWNING, MARKING BRACKET
  LOCATIONS ON AWNING, REMOVING AWNING, AND THEN INSTALLING
  BRAKETS TO AWNING
- 5. ONCE BRACKET ASSEMBLY IS INSTALLED ON THE AWNING, RAISE IT BACK UP TO THE HSLD SIDE RAIL WHERE PREVIOUS MOUNTING WAS DETERMINED
- 6. THE HSLD SIDE PLATE IS LOCATED BETWEEN ITEM (7) AND (8)
- USE 3 , 2 , AND 7 TO SECURE THE BRACKET TO THE HSLD SIDE
   PLATE. APPLY BLUE LOCTITE 242 TO ITEM 3 DURING THIS STEP AND TORQUE TO SPEC.

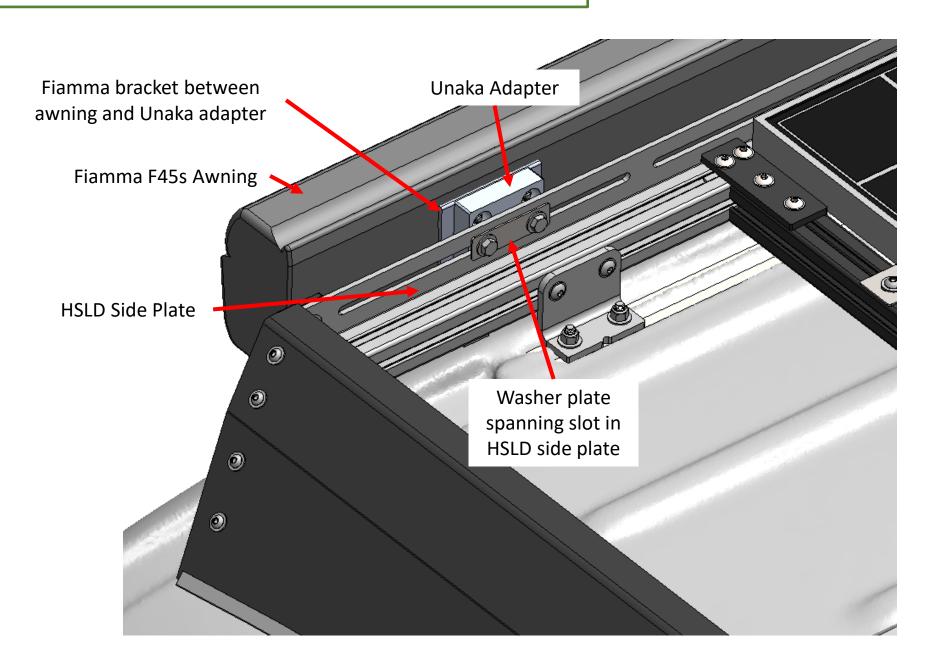
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DO NOT SCALE DRAWING			TITLE:			
TOLERANCES: ANGULAR: ±0.5* ONE PLACE DECIMAL: ±0.1 TWO PLACE DECIMAL: ±0.01 THREE PLACE DECIMAL: ±0.005		NAME	DATE		FIAMMA F45S SPRINTER		
	DRAWN 8Y	JEO	-	HSLD BRACKET ASSEMBLY			
	CHECKED		-				
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				SCA	LE: NTS		SHEET 1 OF 2

POST PROCESSING: FINISH: None None

# Single bracket component overview

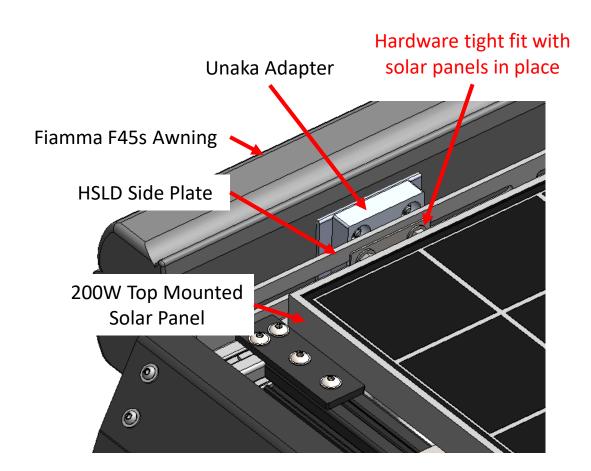


# Awning bracket shown interfacing between awning and rack

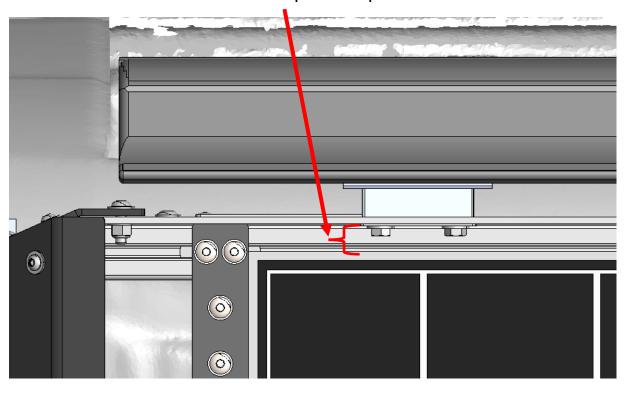


#### Hardware fit between bracket and solar panel

- 1. If an awning bracket and solar panel are going to occupy the same space, try to install the awning before the solar panels.
- 2. If the solar panels are already installed, installing the hardware may be difficult
- 3. If you have enough ladders and people, the awning can be raised into place with the bolts already sticking through the slots in the rack, then lining them up with the tapped holes while the awning with brackets is being installed
- 4. If this does not work, the solar panels may have to be removed or slightly adjusted to complete the awning install



Hardware that secures rack to awning bracket may be hard to insert with solar panel in place.



#### **Preventative Maintenance Checks**

Even though we do not expect any of the hardware to come loose, we recommend checking your roof rack and awning hardware from time to time to help minimize the chance of something coming loose over time. Using the appropriate wrenches check the roof rack hardware to ensure nothing is coming loose at the intervals below. Also inspect the Fiamma factory brackets, the Unaka Brackets, as well as the parts they are bolted to looking for any cracks or signs of fatigue.

- Initial check after 4 to 7 days of moderate driving
- Follow Up Check 1 month after moderate driving
- Routine checks 3 to 4 months of moderate driving
- Anytime after moderate driving on bumpy roads or gravel roads

This completes the installation of your awning.

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