



# Installation Instructions

## SkyMaster™ Fastback Soft Top for 1997-2006 Jeep® Wrangler TJ & Unlimited LJ Item # 15501XXX



### Parts List:

A) Windshield Header with Top Deck	QTY 1
B) Passenger Side Door Surround Kit	QTY 1
C) Driver Side Door Surround Kit	QTY 1
D) Tailgate Bar with Clips	QTY 1
E) Center Bow	QTY 1
F) Driver/Passenger Over Door Bows	QTY 2
G) Drivers Side Quarter Window	QTY 1
H) Passenger Side Quarter Window	QTY 1
I) Rear Window	QTY 1

### Required Tools:

Safety Glasses  
Phillips Head Screwdriver  
Large Soft Towel  
Power Drill  
1/8" Drill Bit



**NOTE:** Throughout the instruction sheet a TJ Wrangler is shown. The sets will be the same for the LJ Wrangler

### NOTICE

This Complete Soft Top kit is designed to fit on your TJ/LJ Jeep® Wrangler when the hard top or original soft top has been completely removed. Before beginning your installation of this product, carefully remove your hard top or current soft top and soft top hardware. Throughout the instruction sheet, photos will depict a TJ Wrangler for reference. However, the installation on an Unlimited LJ Wrangler is the same.

### NOTICE

During the installation of this product you will encounter several steps that will require two people to properly install the soft top hardware.

### WARNING

Loss of vehicle control involves risk of death or serious injury, particularly to parts of your body not restrained within vehicle. This product is intended for weather protection only and should not be relied upon to contain occupants in the event of an accident or to protect from either ground contact or falling objects. To reduce risk of accident or injury:

- ALWAYS WEAR SEATBELTS
- Always keep head, arms & body parts within vehicle.
- Fully secure or stow the soft top before driving according to instructions. Never try to latch or fold soft top while driving. Do not use if damaged or worn.
- Read and follow all instructions & warnings accompanying this product, in your vehicle owner's manual and Off Road Driving Supplement.

### CAUTION

RISK OF EYE INJURY. Safety glasses should be worn at all times while installing or maintaining this product.



### Important Safety information

Your MasterTop® SkyMaster Fastback top is intended to be used with other MasterTop Products to increase the fair-weather enjoyment of your off-road capable vehicle. Before installation, please take a moment to review the following safety information and installation instructions. Important safety information is generally preceded by one of three signal words indicating the relative risk of injury. The signal words mean:

#### **⚠ WARNING ⚠**

A hazardous situation which, if not avoided, could result in death or serious injury. You CAN be KILLED or SERIOUSLY HURT if you don't follow instructions.

#### **⚠ CAUTION ⚠**

A hazardous situation which, if not avoided, could result in minor or moderate injury. You CAN be moderately HURT and also may suffer property damage if you don't follow instructions.

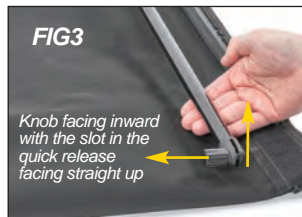
#### **NOTICE**

Careful attention is required to this instruction or operation but does generally not relate to personal injury. Damage to your MasterTop product or other property may result if you don't follow instructions.

### Before you begin Installation:

We are excited that you have chosen the SkyMaster Complete Soft Top Replacement Kit. This high-quality soft top is designed to provide protection from the elements and a stylish look on your Jeep®. Please note that it is important that you become familiar with the installation process of this top by reading the following instruction sheet and warnings thoroughly. When unpacking, carefully check to make sure all parts are included. If any part is missing or broken, please call MasterTop customer service at 720-575-5440.

### SkyMaster Assembly for Wrangler



#### **Step 1: Windshield Header/Over Door Bow Installation**

**Put on safety glasses.** After removing all existing Soft top or hard top hardware/fabric/top, locate the Header/Top Deck assembly shown in Fig1 and lay the assembly on either the box lid or a soft towel.

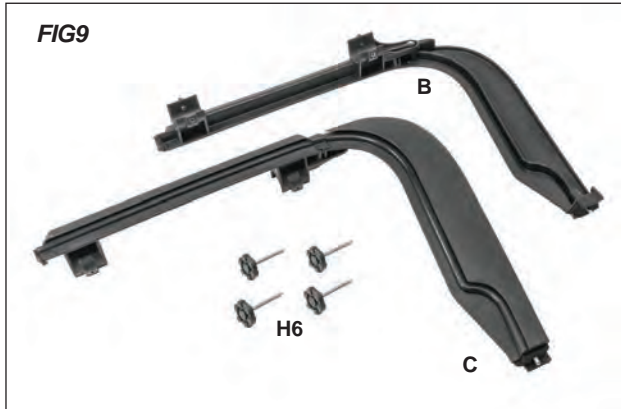
Locate the two over door bows shown in Fig2. These bows have the quick release knuckles pre-installed on the rear of the bow ends and have the set screw installed on the other end of the bow. The "knob" on the bow end must be facing inward on the header/Top deck assembly and the slot of the quick release must be facing up as shown in Fig3.

Remove the set screw. Slip the front bow end into the Header mount as shown in Figs4 & 5 making sure it is as far forward as possible. Using a 1/8" drill bit and drill, drill a pilot hole through the pre-drilled hole located on the over door tube (Fig6). Repeat this on the opposite side (Fig7).

Remove the Bow end from the Header and again using the 1/8" drill bit, drill a hole through the previous drilled pilot holes into the inner steel rod of the header until you feel the drill go through the steel inner. This may take some force. Once the hole is drilled, locate the self-tapping screw from the hardware kit and using a phillip head screw driver, install the over door bow to the Header (Fig 8).

Repeat this on the other side of the header so you have both side tubes installed to the header/top deck assembly. Set this completed assembly aside.

## SkyMaster Assembly for Wrangler



### Step 2: Install Door Surrounds to Vehicle

Locate the (2) Door Surround assemblies B & C and (4) door surround knobs (H6) highlighted in FIG9.

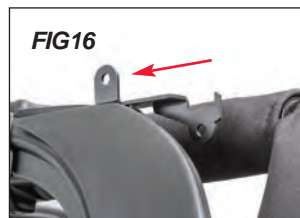
Starting on the Drivers side, if you have the rubber seal shown in Fig 10 this seal must be removed. Once the seal is removed, insert the bottom of the door surround into the hole located just behind the front door (FIGs 10,10A)

Locate the "C" clamps on the upper horizontal over door section and line them up with the holes in the horizontal tubes of the roll bar. Press the "C" clamps onto the horizontal tubes and the front portion of the door surrounds forward into the rubber gasket on the windshield (FIGs 11 & 12).



With the door open, stand on the door sill and locate the two "C" clamp holes. Screw in a Door surround knob into each "C" clamp into the horizontal tube of the roll bar (FIGs 13 & 14).

**Secure the knobs tight. Repeat on passenger side.**



### Step 3: Installing the Header and Top Deck Assembly to the Door Surrounds

Locate the Header and Top Deck assembly completed in step one.

With the help of a friend, place the header/Deck assembly on the vehicle locating the front header on the top of the windshield and the rest of the fabric spread back on the rear of the vehicle (FIG15).



Under the fabric, locate the over door bow installed in step one and place the quick release end in the top-front hole of the pre-installed bow mount bracket pulling the knob out until you hear a "click" (FIGs 16, 17, 18 & 19).

### NOTICE

After installing the side tubes to the door surround brackets please check the location of the front header to make sure it is snug and does not "over-hang" the front of the windshield. Please see page 8, Step 11 for a visual representation of the correct header location.

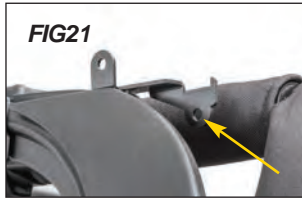


Repeat this on the opposite side of the vehicle and fold back the front portion of the top as shown in FIG20.





## SkyMaster Assembly for Wrangler



### Step 4: Installing the Center Bow to the Door Surrounds

Locate the Center Bow assembly with the pre-installed quick release knuckles on the ends. With the top folded back as shown in FIG20, locate the bottom rear-most bracket hole (FIG21) and slip the rear bow through the webbing strap loop located on corner of the top deck (Fig 21A). Place the Quick Release knob into the hole on the rear of the bow mount bracket (Knob facing out) pull the knob out and down over the bracket until you hear a “click” (FIGs 22 & 23). Repeat this procedure (including the placement of the bow through the installed webbing strap loop) on the opposite side of the vehicle completing the installation of the center bow to the door surrounds.

Note that the center bow will be attached to the soft top but the images above show the bow separate from the fabric for illustration purposes)

### Step 5: Installing the Top Deck to the Jeep®

With the over door bows installed in the bow mount brackets, fold the top and header forward so it rests on the windshield (FIG24).

Un-clip the sun visors and pull the top down to engage the header clamps on each side of the windshield and secure the Header to the windshield (FIGs 25, 26 & 27).

Once the front header is secured, go to the rear corner of the Top deck and locate the rear corner straps. Thread the straps down and under the seat belt mount as shown in FIGs 28 & 29 and thread the strap through the buckle (FIG30). Repeat this on the other side of the vehicle and while pulling towards the rear of the vehicle, tighten one strap and then the other side strap tightening up the top deck.

Do not tighten completely (FIG31).

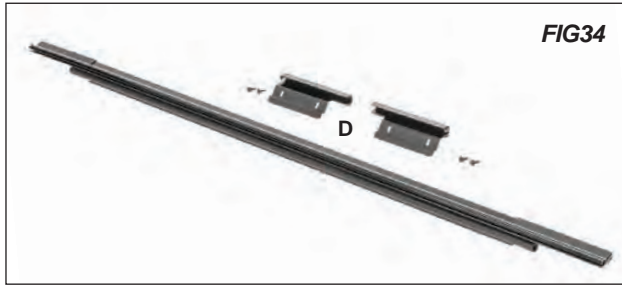
**IMPORTANT: The top deck MUST be centered on the rear of the vehicle for the windows to fit properly.**

When tightening the rear straps notice the location of the rear bar sewn into the pocket on the top deck. It needs to be centered on the rear roll bar legs.

Once the rear straps are secure (but not tightened all the way), go inside the Jeep and make sure the center bow flap is wrapped round and secured to the center bow.

Also double check to make sure the safety strap shown in Fig 21A is looped around the center bow (FIGs 32 & 33).

## SkyMaster Assembly for Wrangler



### Step 6: Install the Rear Tailgate Bar Brackets

**If the vehicle has previously had a tailgate bar bracket (Soft Top Vehicles):** Place the Tailgate Bar Bracket on the outside of the tailgate opening lining up each hole (from previous Tailgate brackets) with the existing holes already drilled in the tailgate (FIGs 35 & 36).

Hand tighten all provided #8 x 1/2" Pan Head washer screws into place holding the Tailgate bracket in place. Repeat on other side of Tailgate opening. Using a Phillips head screwdriver, tighten all four screws securing the tailgate bar bracket to the vehicle.

Do not use a drill or screw gun to tighten. Doing so may over tighten the screws causing damage to your body (FIGs 37, 38 & 39).

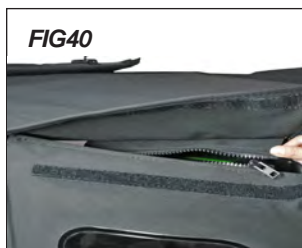


**If the vehicle has not had a tailgate bar bracket on it before:** Line up the driver's side Tailgate Bar Bracket with the inside of the tailgate opening as shown in FIG 36.

Use the retainers as a template to mark and drill two 1/8" holes. Using a Phillips head screwdriver, tighten each screw until the Tailgate bar bracket is secure. Do not use a drill or screw gun to tighten.

Doing so may over tighten the screws causing damage to your body (FIGs 38 & 39).

Repeat on Passenger side.



### Step 7A: Installing the Quarter and Rear Windows to the Top Deck

To ensure the top is centered on the vehicle you will be installing the two quarter windows and the rear window to the top deck and to each other before securing it to the vehicle body.

**Pro-Install TIP:** To make this as easy as possible, you may have to release the front windshield header (release but not un-hook) and loosen the rear corner straps installed in step 5. This will allow you to line up all window zippers and attachments. The rear corner straps and header will need to be re-tightened/clamped before using the top.



Locate the drivers rear quarter window. Line up the driver's side Quarter window to the zipper on the deck and zip it as shown in FIG's 40, 41, 42 & 43. Repeat this on the passenger side of the vehicle. Next page: Rear Window Install



## SkyMaster Assembly for Wrangler



### Step 7B: Installing the Rear Window to the Top Deck

Locate the rear window and line up and slide the rear window into the "C" Channel located at the top of the rear portion of the top deck (FIGs 44, 45 & 46).

Once both quarter windows are secured to the top deck, line up the driver's side rear zipper on the quarter window and on the rear window and zip it down a few inches (FIG 47). Repeat this on the passenger side of the rear window.

You may have to lift the quarter window up to secure this second zipper. Once both side zippers are secure, zip the rear window zippers down about half way (Fig 48). You will close these zippers completely at the end of step 10.



### Each Time you remove the rear window:

Completely pull the window out of the "C" Channel before pulling the window down!

Do not "Peel" the window out.

### NOTICE

There may be times when the rear window "P" extrusion may come out of the "C" Channel ends due to extreme downward pressure. This is normal. If this occurs, slide the "P" extrusion out of the C channel and re-install securing the window back into the "C" Channel.





## SkyMaster Assembly for Wrangler



### Step 8: Installing the Top to the Jeep® Body

Starting at the driver's side front, right behind the front seat, attach the front vertical belt rail into the door surround slot by "rolling the plastic into the slot" (FIGs 49 & 50).

Once secure move to the rear driver's side corner and "roll" the plastic into the Jeep body corner belt rail as shown in FIGs 51 & 52. Repeat this procedure on the passenger side.

Once both corners are secured, "roll" the plastic on the bottom of the quarter windows into the body belt rail as shown in FIGs 53 & 54.

NOTE: as shown in FIGs 55 & 56 there is a web loop installed on the side of the quarter window.

This is to be used for unhooking the quarter window only and is not designed to be pulled down on for installation!

Repeat the quarter window install on the passenger side of the vehicle. You may have to pull the corners around towards the front or back of the vehicle to center the top on the vehicle. Once all body belt rail attachments are secure and the top is centered, you can now reach through the rear zipper on each side and tighten the corner straps. Alternate tightening to keep the top centered. Seal hook and loop around windows.

See Next page.



## SkyMaster Assembly for Wrangler



### Step 9: Secure the Over Door Attachments

Locate the two plastic strips sewn to the sides of the top above each door (FIG57).

Starting with the front strips, slip the strips into the channel in the door surround above the door opening (FIGs 58 & 59).

Secure the strips on each side of the vehicle. When complete each side should look like FIG60.



### Step 10: Install the Tailgate Bar and Rear Window to the Body of the Jeep®

Slide the "C" shaped channel onto the tube sewn into the rear window with the round seal down. See FIG61 for correct alignment.

Slide the tailgate bar all the way across the rear curtain. Open the rear tailgate. As shown in FIG62, insert/roll the tailgate bar into the mounts on each side of the tailgate with the vinyl side of the rear curtain facing the rear of the vehicle.



Once the Tailgate bar is secure, lower zippers on both sides of the rear curtain (FIG63) and then secure the rear zipper cover flap as shown in FIG64.



### Step 11: Ensure your Front Header is properly adjusted on the windshield

The MasterTop Fastback Top has been engineered to the original factory windshield measurements but in rare cases, this measurement may vary slightly from vehicle to vehicle due to prolonged use of the vehicle, worn seals or other factors.

To make sure your windshield header is sealed properly on the windshield, please see FIGs 65 & 66 which show the proper location of the front header on the windshield when the front header is clamped down and the over door bows are attached to the bow brackets.



If your windshield header seals as shown in these pictures you are all ready to go and no further adjustments are necessary. If the header "overhangs" the windshield or exposes the inside windshield seal, the header on your vehicle is not sealed correctly and you will get air and potentially water leaks.





## SkyMaster Assembly for Wrangler



### If Needed: Corrective Action for mis-aligned Windshield Header

If your windshield header is over-hanging or seems “short” on the windshield, you will need to slightly relocate the quick release knobs on the over door bows forwards or backwards. This slight change will move the entire header forward (for “short” mis-location) or backward (For Header “over-hang”).

Locate the over door quick release knob shown in FIG 67. Remove the screw holding the knob on the tube using a Philips head screw driver and move the quick release Knob forward or backward (Backward for over-hang, forward for short) about ¼” or less making sure the slot on the quick release knob is facing up (FIG 68) and the knob itself is facing inwards.

Using a 3/32 drill bit, drill a new pilot hole and attach the screw you just removed in the new hole. Repeat on the opposite side. This “fine tuning” will make your MasterTop top air and water tight.

## Using your SkyMaster Fastback Soft Top

FIG69



**Your SkyMaster Fastback top has been designed with a fold-back “sunroof” feature that gives you the ultimate in open air experience!**

**To fold back your SkyMaster Soft Top:**  
See next pages.



## Using your SkyMaster Fastback Soft Top



### Folding Back the Front Section of your Top

Your SkyMaster Fastback top has been designed with a fold back “sunroof” feature that gives you the ultimate in open air experience. To fold back your SkyMaster Soft Top:

**If driving, stop the vehicle and put in park.**

1. Unlatch your over door Attachments from the door Surrounds.
2. Unlatch the front header from the windshield
3. Pushing up from the middle, fold back the top.
4. Make sure the center bow is secured through the sewn inside webbing strap.

The MasterTop Hardware system can also be easily detached and folded down to the rear of the vehicle. Unlatch the front header from the windshield. Un-hook the over door bows from the door surround brackets (FIG A).

Next, un-hook the center bow from the door surround bracket (FIG B). Once un-hooked, the front header assembly and center bow should easily fold back to the rear of the vehicle and should tuck down behind the rear roll bars (FIG C). The center bow should stay attached to the soft top with the hook and loop fastener that covers the center bow.

**FIG A**

**FIG B**



**FIG C**



### **⚠ WARNING ⚠**

Make sure the hook and loop fastener are tightly secured to the center bow after the front sun roof is folded back. Make sure that each side webbed loop is secured around the center bow. Both rear corner straps must also be secure when the top is folded back. These safety measures are designed to secure the top deck to the vehicle and if not adhered to can cause injury, death and a serious accident.

### **⚠ WARNING ⚠**

As with most aftermarket parts for Jeep vehicles, this soft top has been tested to speeds of up to 75 MPH.

Do not exceed the posted speed limits with this top installed and make sure all straps and attachments are secure before embarking on any long highway road trip. Always wear your seat belts when using this product!

## Parts List for TJ/LJ SkyMaster Fastback Top

### SkyMaster Fastback Top Parts List

	Part #
TJ OE Style Front Header	99931001
Over Door Side Tube - Each	99931002
Quick Release Knobs - Each	99931003
Door Surround Knobs - Pair	16031001
Door Surround - Drivers Side	99931004
Door Surround - Passenger Side	99931005
Center Bow	99931006
Door Surround Brackets - Drivers Side	99931007
Door Surround Brackets - Passenger Side	99931008
Tailgate Bar with Brackets	15433201

### Care and Maintenance of your MasterTop® Product:

Your MasterTop Replacement Top is made of the finest materials available but to keep it looking new and for the maximum possible wear, it will need periodic cleaning and basic maintenance. The main threat to your soft top is pollutants, dirt and grime. By keeping your top clean you will prolong the life of your top.

We recommend the following to keep your top like new:

#### Washing:

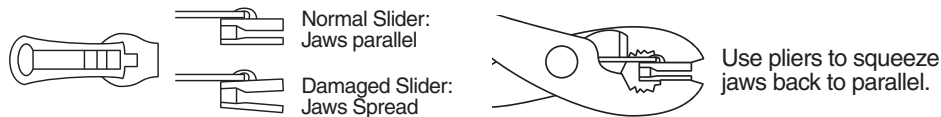
The soft top fabric should be washed often using a mild soap, warm water and a soft bristle brush. You can also use special soft top cleaners available on our Distributors websites. Make sure that after cleaning you rinse with clear water to remove all traces of soap to avoid residue.

#### Water/Fabric:

In the event of seeping through the seams, 3M Scotchgard® may be applied on the inside of the seams to stop the seeping. Rips in the fabric may be repaired with Bondex® iron on patches. Iron the patches to the Inside of the top, carefully following the Bondex® instructions.

#### Windows:

It is very important that you keep your Soft Top windows clean! Use a mild soap and water solution to gently clean your windows. NEVER wipe your windows clean with a dry cloth! Dust and dirt on a dry cloth can scratch your windows causing "fogging" and permanent damage. When removing your windows, store them with a towel. If frost or ice forms on the outside of your windows during the winter, DO NOT use an ice scraper to remove this frost. Over time you will see small micro scratches in your windows which are natural wear and tear. These Micro scratches can be "polished" out using the window polish available at your MasterTop Distributor.



#### Zippers:

Keeping the zipper cleaned and lubricated with a silicone lubricant (available online) will help prevent damage and keep the zippers in a smooth working condition. If zipper opens behind the slider, the slider may have been spread apart. This problem can usually be fixed by using an ordinary pair of pliers to bring the sides back into parallel. Return slider to the end of the zipper in the normal Open position. Squeeze lightly at first and test zipper. If the zipper continues to remain open squeeze more firmly with pliers and try the zipper again. Repeat procedure until your zipper operates correctly.

#### For more information on MasterTop:

This and other helpful product information is available on [www.mastertop.com](http://www.mastertop.com)  
Please visit our website frequently for product updates and exciting news.







# Limited 3 Year Warranty

Your MasterTop® accessory is covered by the following Limited Warranty provided exclusively by MasterTop, Inc., 420 J Corporate Circle, Golden, CO 80401.

This Limited Warranty is the only warranty made in connection with your purchase. MasterTop neither assumes nor authorizes any vendor, retailer or other person or entity to assume for it any other obligation or liability in connection with this product or Limited Warranty. This Limited Warranty does not apply and is not cumulative to any accessory or part distributed by any MasterTop distributor for which the Manufacturer provides a separate written warranty.

**What is Covered:** Subject to the terms, exclusions and limitations herein and with respect only to MasterTop branded accessories first sold in the United States, MasterTop warrants to the initial retail purchaser only that your MasterTop accessory shall be free of defects in material and workmanship; **for a period of 3 years from date of initial retail sale.**

All other warranties are hereby disclaimed, except to the extent prohibited by applicable law in which case any implied warranty of merchantability or fitness for a particular purpose on this product is **limited to 3 years from date of initial retail sale.** MasterTop reserves the rights to: (a.) require invoice or other proof your product is within the terms of this Limited Warranty as a condition of warranty service and, (b.) make future revisions to this product and Limited Warranty without prior notice or obligation to upgrade your product.

**What is Not Covered:** Your MasterTop Limited Warranty does not cover products or parts MasterTop determines to have been damaged by or subjected to: (a.) installation damage, alteration, modification, failure to maintain or attempted repair or service by anyone not authorized by MasterTop, (b.) normal wear and tear, cosmetic damage or damage from water immersion, (c.) Acts of God, accidents, misuse, negligence, inadequate mounting or impact with vehicle(s), obstacles or other aspects of the environment, (d.) theft, vandalism or other intentional damage, (e.) fleet, rental or commercial use, (f.) use in competition or racing.

**Remedy Limited to Repair/Replacement:** The exclusive remedy provided hereunder shall, upon MasterTop inspection and at MasterTop's option, be either repair or replacement of product or parts (new or refurbished) covered under this Limited Warranty. Customers requesting warranty consideration on MasterTop Products should first contact MasterTop to obtain a RGA number (720-575-5440). All labor, removal, shipping and installation costs are customer's responsibility.

## Other Limitations - Exclusion of Damages

### - Your Rights Under State Law:

In consideration of the purchase price paid, neither MasterTop nor any independent MasterTop distributor /licensee are responsible for any time loss, rental costs, or for any incidental, consequential, punitive or other damages you may have or incur in connection with any part or product purchased. Your exclusive remedy hereunder for covered parts is repair/replacement as described above.

This Limited Warranty gives you specific rights. You may also have other rights that vary from state to state. For example, some states do not allow limitations of how long an implied warranty lasts and/or do not allow the exclusion or limitation of incidental or consequential damages, so the limitations and exclusions herein may not apply to you.

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