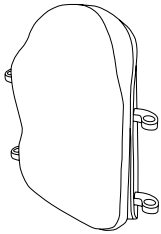




**the ROHO group**  
shape fitting technology®



# JetStream Pro Back

## with CF Technology

### Operations Manual

SUPPLIER: THIS MANUAL MUST BE GIVEN TO THE USER OF THIS WHEELCHAIR BACK.

USER: BEFORE USING THIS WHEELCHAIR BACK, READ THESE INSTRUCTIONS AND SAVE FOR FUTURE REFERENCE.

shape fitting technology®

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ΠΡΟΜΗΘΕΥΤΗΣ: ΤΟ ΕΓΧΕΙΡΙΔΙΟ ΑΥΤΟ ΠΡΕΠΕΙ ΝΑ ΔΟΘΕΙ ΣΤΟ ΧΡΗΣΤΗ ΑΥΤΗΣ ΤΗΣ ΠΛΑΤΗΣ  
ΑΝΑΠΗΡΙΚΟΥ ΑΜΑΞΙΔΙΟΥ.  
ΧΡΗΣΤΗΣ: ΠΡΙΝ ΤΗ ΧΡΗΣΗ ΤΗΣ ΠΛΑΤΗΣ ΑΝΑΠΗΡΙΚΟΥ ΑΜΑΞΙΔΙΟΥ, ΔΙΑΒΑΣΤΕ ΟΛΟΚΛΗΡΟ ΤΟ  
ΕΓΧΕΙΡΙΔΙΟ ΚΑΙ ΦΥΛΑΞΤΕ ΤΟ ΓΙΑ ΜΕΛΛΟΝΤΙΚΗ ΑΝΑΦΟΡΑ.

The JetStream Pro<sup>®</sup> is manufactured by Accessible Designs, Inc. of San Antonio, TX and distributed by ROHO, Inc., 100 N. Florida Ave., Belleville, IL 62221-5429 U.S.A.  
website: [www.therohogroup.com](http://www.therohogroup.com) • e-mail address: [cs@therohogroup.com](mailto:cs@therohogroup.com)

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ROHO<sup>®</sup>, shape fitting technology<sup>®</sup>, JetStream Pro<sup>®</sup>.  
Velcro<sup>®</sup> is a registered trade mark of Velcro Industries B.V.



## **WARNING**

- **DO NOT** operate the JetStream Pro without first reading and understanding this manual. If you need assistance contact your clinician, ROHO provider or ROHO, Inc.
- The JetStream Pro has not been tested for use in a motor vehicle. The risk of an accidental disconnect that could result in a fall and potential serious injury has not been assessed. Always have the user transfer to an approved vehicle seat.



## **CAUTION**

- Before using the JetStream Pro, ROHO, Inc. recommends a clinician evaluate the need for anti-tipping devices or amputee axle adaptors. As with any addition to your wheelchair, the JetStream Pro may affect the stability of the wheelchair.
- **DO NOT** lean over the top of the JetStream Pro. This may cause your center of gravity to change and may cause you to tip over.
- **DO NOT** use if user is over 250 lbs. (113.4 kg).
- **DO NOT** attach the JetStream Pro with the user in the chair.
- Protect the JetStream Pro from blunt force shocks that may cause damage and/or breakage.
- Check screws, clamps, and brackets for wear, breakage, and tightness daily. Retighten loose screws following the Attachment Instructions in this manual. **DO NOT** continue to use the JetStream Pro if any part cannot be tightened or is broken.
- The JetStream Pro may not fit every wheelchair; please refer to the Wheelchair Compatibility Chart in this manual. Consult with your provider or clinician providing your equipment for compatibility with your wheelchair.
- Altering the JetStream Pro may affect performance and will void warranty.
- Only use hardware supplied with the JetStream Pro. If replacement parts are needed please contact your ROHO provider.
- If the JetStream Pro is not positioned to make contact at the PSIS, pelvic support and trunk control may be reduced (see page 3).
- **DO NOT** use the JetStream Pro to lift your wheelchair.
- **DO NOT** use the JetStream Pro near an ozone generator, as the ozone generator may deteriorate the foam pad and other materials, and void your warranty.

## JetStream Pro with CF (carbon fiber) Technology

### INTENDED USE

The JetStream Pro is an ergonomically designed wheelchair back replacement support system that promotes an upright posture, by providing support at the posterior pelvis and trunk. This support system eases the strain on the lower back.

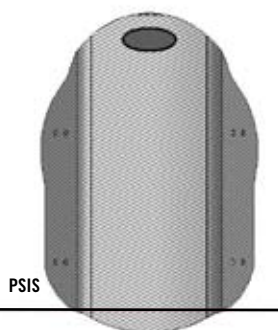
The light weight JetStream Pro is easy to attach to the back posts and set to the necessary height on the wheelchair. ROHO, Inc. recommends the JetStream Pro initially be attached by a trained and authorized ROHO provider.

### Wheelchair Compatibility Chart

The JetStream Pro is designed to be used only with rigid or powered wheelchairs having circular back posts 3/4" (2.0 cm) to 1" (2.5 cm) in diameter. All measurements taken are from outside of back post to outside of back post. A Standard Height JetStream Pro Back is 16.5" (42.0 cm) tall. A Mid Height back is 13" (33.0 cm) tall. A Low Height JetStream Pro Back is 10" (25.5 cm) tall.

Fixed Back Item Numbers	Chair Width		Fixed Back Width	
	in.	(cm)	in.	(cm)
JSP14LF, JSP14SF	14	(35.5)	14	(35.5)
JSP15LF, JSP15SF	15	(38.0)	15	(38.0)
JSP16LF, JSP16SF	16	(40.5)	16	(40.5)
JSP17LF, JSP17SF	17	(43.0)	17	(43.0)
JSP18LF, JSP18SF	18	(45.5)	18	(45.5)
Adjustable Back Item Numbers	Chair Width		Adjustable Back Range	
	in.	(cm)	in.	(cm)
JSP14LFA, JSP14MFA, JSP14SFA	14	(35.5)	13 to 14.5	(33.0 to 37.0)
JSP15LFA, JSP15MFA, JSP15SFA	15	(38.0)	14 to 15.5	(35.5 to 39.5)
JSP16LFA, JSP16MFA, JSP16SFA	16	(40.5)	15 to 16.5	(38.0 to 42.0)
JSP17LFA, JSP17MFA, JSP17SFA	17	(43.0)	16 to 17.5	(40.5 to 44.5)
JSP18LFA, JSP18MFA, JSP18SFA	18	(45.5)	17 to 18.5	(43.0 to 47.0)

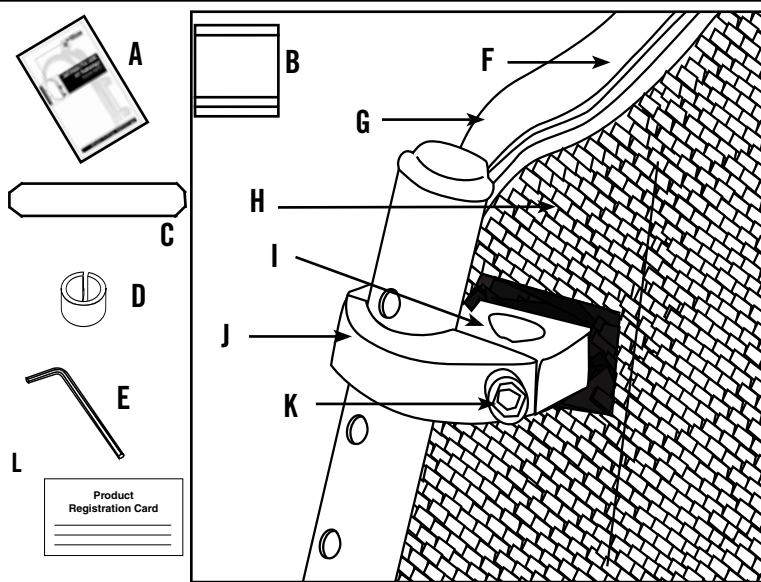
Reducers are required for installation of JetStream Pro Backs when back posts of 3/4" (1.9 cm) or 7/8" (2.2 cm) in diameter are used.



### Posterior, Superior, Iliac Spine (PSIS).

ROHO, Inc. recommends that the bottom portion of the JetStream Pro Back be positioned to make contact at the PSIS for optimal pelvic support and trunk control. The PSIS processes are the two bumps below the waist on each side of the spine, halfway between the tail bone (coccyx) and the lower back (lumbar spine). On some individuals these landmarks can be evident by two dimples at the same level.

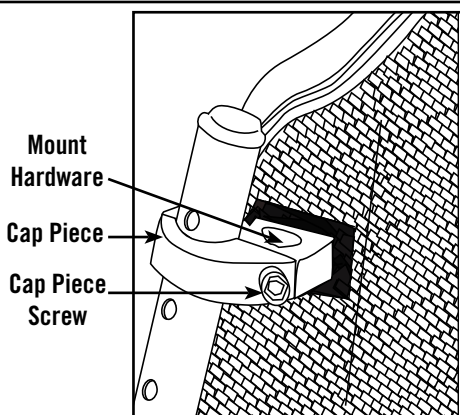
# JetStream Pro Fixed Back Standard and Low Height Parts Detail



- A. **Operations Manual** - instructions on JetStream Pro use and installation.
- B. **Privacy Flap** - polyester material bridges gap between JetStream Pro Back and wheelchair seat.
- C. **Lumbar Support Pad** - foam pad provides added support to lumbar region.
- D. **Reducer** - for more secure fit with Standard JetStream Pro Backs on 3/4" (1.9 cm) back posts (Qty. 2). 7/8" (2.2 cm) available upon request.
- E. **Allen Wrench** - 5mm Allen wrench for adjusting cap piece screws.
- F. **Contoured Foam Pad** - provides cushioning between user and carbon fiber shell.
- G. **Breathable Cover** - covers contoured foam pad and attaches to the carbon fiber shell with Velcro®.
- H. **Carbon Fiber Shell** - attaches to back posts of wheelchair with cap pieces.
- I. **Mount Hardware** - connects to the carbon fiber shell and fastens to bracket clamps with screws (Qty. 4 Standard / Qty. 2 Low).
- J. **Cap Piece** - holds JetStream Pro to back posts with cap piece screws (Qty. 4 Standard / Qty. 2 Low).
- K. **Cap Piece Screws** - fastens bracket clamps on wheelchair back posts. (Qty. 4 / 1 per cap piece on Standard and Qty. 4 / 2 per cap piece on Low)
- L. **Product Registration Card** - Complete card and mail to ROHO or register online at [www.therohogroup.com](http://www.therohogroup.com).

## Attaching & Removing the JetStream Pro Fixed Back Standard & Low Height To Your Wheelchair

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**CAUTION:** DO NOT attach or adjust the JetStream Pro while the wheelchair is occupied.

**Step 1:** Remove existing wheelchair backrest/upholstery.

**Step 2:** Place the JetStream Pro onto wheelchair back posts. Attach cap pieces by inserting the cap piece screw(s). Do not fully tighten. (4 screws to each Standard Back, 1 per Cap Piece) (4 screws to each Low Back, 2 per Cap Piece ).

**Step 3:** Adjust JetStream Pro vertically for desired backrest height.

**Step 4:** Secure the JetStream Pro by tightening each cap piece screw with the 5mm Allen wrench. **Note:** If you have a torque wrench, ROHO, Inc. recommends you tighten to 6.5 ft -lbs. (8.8 Newton-meters).

**Step 5:** Check the JetStream Pro to make sure it is secured properly. With the user seated, check the back for comfort. If adjustments need to be made, have the user transfer out of the chair and loosen the cap piece screw(s). Then, adjust the JetStream Pro vertically if necessary. Re-tighten cap piece screw(s) when adjustment is complete.

**NOTE:** Reducers are required for installation of JetStream Pro Backs when back posts of 3/4" (1.9 cm) or 7/8" (2.2 cm) in diameter are used. 7/8" (2.2 cm) available upon request.

\* torque wrench not included.

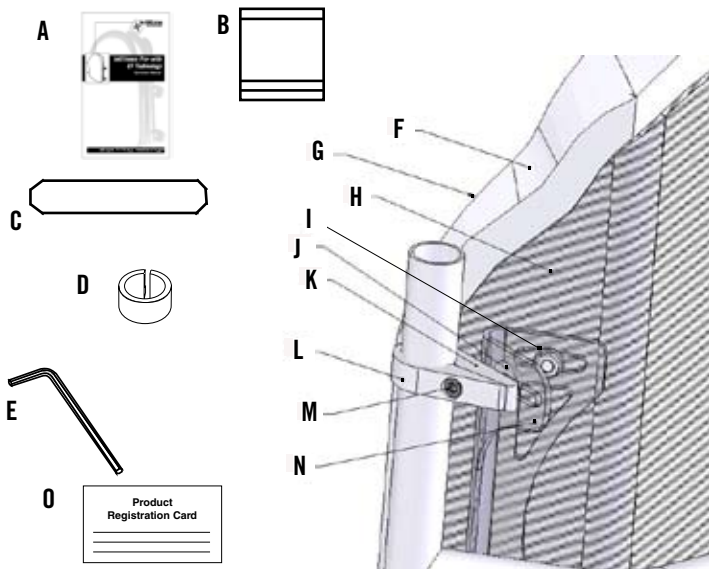
### REMOVAL

Step 1: Loosen cap piece screws.

Step 2: Remove cap pieces and the JetStream Pro Back.

**CAUTION:** DO NOT use wheelchair without a backrest.

## JetStream Pro Adjustable Back Standard and Low Height Parts Detail



- A. Operations Manual** - instructions on JetStream Pro use and installation.
- B. Privacy Flap** - polyester material bridges gap between JetStream Pro Back and wheelchair seat
- C. Lumbar Support Pad** - foam pad provides added support to lumbar region.
- D. Reducer** - for more secure fit with Standard JetStream Pro Backs on 3/4" (1.9 cm) back posts. (Qty. 2) 7/8" (2.2 cm) available upon request.
- E. Allen Wrench** - 5mm Allen wrench for adjusting cap piece screws.
- F. Contoured Foam Pad** - provides cushioning between user and carbon fiber shell.
- G. Breathable Cover** - covers contoured foam pad and attaches to the carbon fiber shell with Velcro®.
- H. Carbon Fiber Shell** - attaches to the backrest clamps through the adjustable bracket.
- I. Nut** - attaches adjustable brackets to the carbon fiber shell. Use a 10mm wrench\* and the 5mm Allen wrench on opposing side (qty 4).
- J. Hex Head Bolt** - attaches adjustable brackets to backrest clamps (qty 4). Requires 10mm wrench\*
- K. Adjustable Bracket Clamp** - connects adjustable brackets to wheelchair back posts (qty 4).
- L. Cap Piece** - secures Adjustable Bracket Clamp to back posts (qty 4).
- M. Cap Piece Screw** - screw fastens bracket clamp on wheelchair back post (qty 4).
- N. Adjustable Bracket** - attaches to carbon fiber shell and backrest clamps (qty 2)
- O. Product Registration Card** - Complete card and mail to ROHO or register online at [www.therohogroup.com](http://www.therohogroup.com).

\* Additional Tools Needed for Assembly: 10 mm wrench

## Attaching & Removing the JetStream Pro Adjustable Back Standard and Low Height To Your Wheelchair

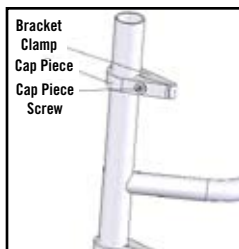


Figure 1

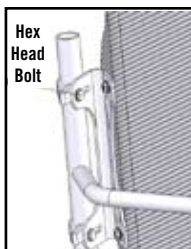


Figure 2

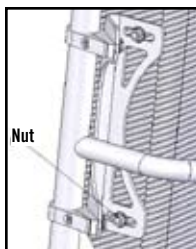


Figure 3



**CAUTION: DO NOT** attach the JetStream Pro while the wheelchair is occupied.

**Step 1:** Remove existing wheelchair backrest/upholstery.

**Step 2:** Hold the adjustable bracket clamps and cap pieces in place around the chair back posts and secure by tightening cap piece screw, as shown in Figure 1.

**NOTE:** The bracket clamps should all "point" in the same direction and the cap piece screw heads should all face outward.

**Step 3:** Place the JetStream Pro in between the four adjustable bracket clamps and insert the four hex head bolts in the desired mounting hole as shown in Figure 2.

**Step 4:** If the width of the JetStream Pro needs to be adjusted to fit between the backrest clamps, loosen the nuts using a 10mm wrench\* and adjust accordingly as shown in Figure 3.

**Step 5:** To adjust for seat depth, slide the backrest forward or back using the slots shown in Figure 2.

**Step 6:** Angle adjustments are also made by sliding the backrest within the slots shown in Figure 2.

**NOTE:** There are two holes on each adjustable bracket clamp that can be used for adjusting the seat depth and angle. Use whichever hole is appropriate on each backrest clamp for proper positioning and comfort.

**Step 7:** Securely tighten the four attaching hex head bolts using a 10mm wrench.

**Note:** If you have a torque wrench, ROHO, Inc. recommends tightening to 5.83 ft-lbs (7.9 Newton-meters).

**Step 8:** Securely tighten the four cap piece screws using a 5 mm Allen wrench. **Note:** If you have a torque wrench, ROHO, Inc. recommends tightening to 5.83 ft-lbs (7.9 Newton-meters).

**Step 9:** Check the JetStream Pro to make sure all fasteners are tightened securely. With the user seated, check for comfort. If further adjustments are needed, have the user transfer out of the wheelchair, and adjust as necessary per the instructions above. Re-tighten all fasteners when adjustment is complete.

**NOTE:** Angle Adjustment - The Standard sized back is designed with a 30° adjustment range and can provide up to 15° of posterior or anterior tilt. The Low sized back is designed with a 64° adjustment range and can provide up to 32° posterior or anterior tilt.

**NOTE:** Depth Adjustment - Approximately 3.25" (8.5 cm) (dependent on seat post cross bar).

\* 10mm wrench and torque wrench not included.

**NOTE:** Reducers are required for installation of JetStream Pro Backs when back posts of 3/4" (1.9 cm) or 7/8" (2.2 cm) in diameter are used. 7/8" (2.2 cm) available upon request.

### REMOVAL

**Step 1:** Loosen cap piece screws.

**Step 2:** Remove cap pieces and the JetStream Pro Back.



**CAUTION: DO NOT** use wheelchair without a backrest.



## **Attaching Accessories to the Fixed or Adjustable JetStream Pro Back**

### **Attaching The JetStream Pro Privacy Flap**

1. Remove existing contoured foam pad from the JetStream Pro Back.
2. Attach the loop side of the double sided Velcro® portion of the Privacy Flap to the hook side Velcro strips on the JetStream Pro Back.
3. Remove the cushion from the wheelchair and attach the opposite end of the Privacy Flap to the Velcro on the base of the wheelchair seat.
4. Replace the contoured foam pad to the JetStream Pro Back and the cushion to the wheelchair.

### **Attaching the JetStream Pro Lumbar Support Pad**

1. Remove the contoured foam pad from the carbon fiber shell.
2. Unzip the cover and place the lumbar support inside the cover of the JetStream Pro Back Support
3. Position at the curve of your spine, or where it is most comfortable. (The Lumbar Support may be placed either in front or in back of the foam pad.)
4. Zip cover and place contoured foam pad back onto the carbon fiber shell.

## **Cleaning and Disinfecting the JetStream Pro Back**

**Cleaning and Disinfecting are two separate processes. To be effective, cleaning must precede disinfecting.**

**NOTE:** Institutions MUST clean, disinfect, and check product for proper functioning between multiple patient use.

### **Cleaning the JetStream Pro Carbon Fiber Shell & Hardware**

Using a soft cloth, hand wash the carbon fiber shell & hardware with mild soap and warm water. Towel Dry with a soft cloth.

### **Cleaning the JetStream Pro Breathable Cover**

Remove foam. Machine wash in warm water using a household laundry detergent (**DO NOT BLEACH**). Air Dry. Replace foam.



### **Cleaning the JetStream Pro Contoured Foam Pad and Lumbar Support Pad**

Gently hand wash foam pad(s) with mild soap and water. Rinse thoroughly. Carefully squeeze water out of the foam. Air Dry. No heat.



### **Cleaning the JetStream Pro Privacy Flap**

Machine wash **SEPARATELY** in cold water. **DO NOT BLEACH**. Air Dry.



### **Disinfection (All Parts EXCEPT Foam Components)**

Wipe gently with a cloth dampened with a household disinfectant. Air Dry.

**NOTE:** Disinfectants are not effective on porous surfaces such as foam. If the foam becomes soiled or contaminated, **DO NOT** use with multiple users. Replacement foam parts may be purchased from ROHO, Inc.

## **Maintenance**

Check screws, clamps, and brackets for wear, breakage, and tightness daily. Retighten loose screws following the Attachment Instructions in this manual. **DO NOT** continue to use the JetStream Pro if any component cannot be tightened or is broken. ROHO, Inc. recommends that you have your JetStream Pro Back thoroughly inspected by a qualified technician, every 6 months, or as necessary.

## **Return, Repair Policy & Contact Information**

All returns require prior authorization from ROHO, Inc. and are subject to a restocking charge. Before returning your product to ROHO Inc., contact our Customer Service Department at 1-800-851-3449 toll free in the **U.S.A.** for a Return Authorization Number. A Return Authorization Form must be included with your product when returned, which can be obtained from our website at [www.therohogroup.com](http://www.therohogroup.com) or by contacting Customer Service. **Outside the U.S.A.**, contact your country's distributor or contact ROHO International at 1-618-277-9150 for your nearest distributor. Check our web site, [www.therohogroup.com](http://www.therohogroup.com), for the latest list of ROHO International distributors. You may also e-mail us at: [cs@therohogroup.com](mailto:cs@therohogroup.com).

## **Disposal**

When properly used and disposed, none of the components of the JetStream Pro will present an environmental hazard. Dispose of the product and / or components in accordance with the applicable regulations in your jurisdiction.

## Limited Warranty

### **What is covered?**

ROHO, Inc. covers any defects in materials or workmanship of the product. Any substitutions of supplied components will void the warranty.

### **For how long?**

24 months from the date the product was originally purchased, with the exception of fabric components, which have a 6 Month Limited Warranty.

### **What we will do.**

Within a reasonable amount of time after you return the product to us, we will repair any defect in material and workmanship and ship it back to you, all free of charge.

### **What we will not do.**

We will not repair a product free of charge if it has been misused, damaged by an accident, or damaged from "an act of Nature", e.g., flood, tornado, earthquake, fire.

### **What the customer must do.**

Within the **U.S.A.**, the customer must contact ROHO, Inc. to obtain a Return Authorization Number and a completed Return Authorization Form must be included with the product when returned. The Return Authorization Form can be obtained from our website at [www.therohogroup.com](http://www.therohogroup.com) or by contacting Customer Service at 1-800-851-3449 toll free.

**Outside the U.S.A.**, contact the nearest ROHO distributor. See website for current list of ROHO distributors ([www.therohogroup.com](http://www.therohogroup.com)).

Failure to submit a Return Authorization Form may result in the product being returned without evaluation or repair.

### **Questions.**

Call our Customer Service Department toll free from **U.S.A.** at (800)-851-3449. **Outside the U.S.A.** call your distributor or the ROHO Customer Service Department at 1-618-277-9150.

### **Disclaimer**

Any implied warranties, including the MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE are also limited to twenty-four (24) months from the date of original purchase and any action for a breach of such warranties or any express warranties herein must be commenced within this time. ROHO, Inc. shall not be responsible for any incidental or consequential damages with respect to economic loss or injuries to property, whether as a result of a breach of express or implied warranties, or otherwise. ROHO, Inc. will not be responsible for the results of careless handling, unreasonable or improper use of this product

### **Your Rights and the Effect of this Warranty upon Them**

This warranty restricts the duration of all implied warranties as noted above and limits or excludes recovery for incidental or consequential damages. Some jurisdictions do not allow limitations on how long implied warranties will last and some jurisdictions do not allow the exclusion or limitation of consequential or incidental damages, so those provisions may not apply to you. While this warranty gives you specific legal rights, you may also have other rights which vary from jurisdiction to jurisdiction.



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The Quality Management Systems  
of ROHO, Inc. are certified to  
ISO 9001:2000 and ISO 13485:2003



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