



## **Instruction Sheet for DIA-COMPE Hombre Brake**

Please read the instructions before installing brakes and riding your bike.

### **Warnings :**

When Bicycle Brakes are not properly installed and adjusted, they may not work properly and severe injury or death could result. We strongly recommend that a DIA-COMPE authorized dealer install and adjust these brakes.

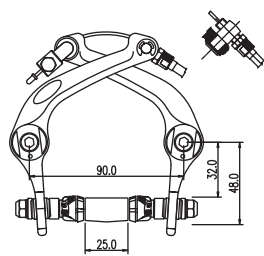
### **Models:**

Front HOMBRE for freestyle bicycles, cable adjuster on brake arm.

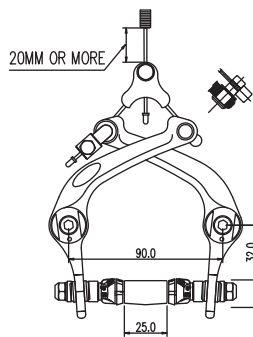
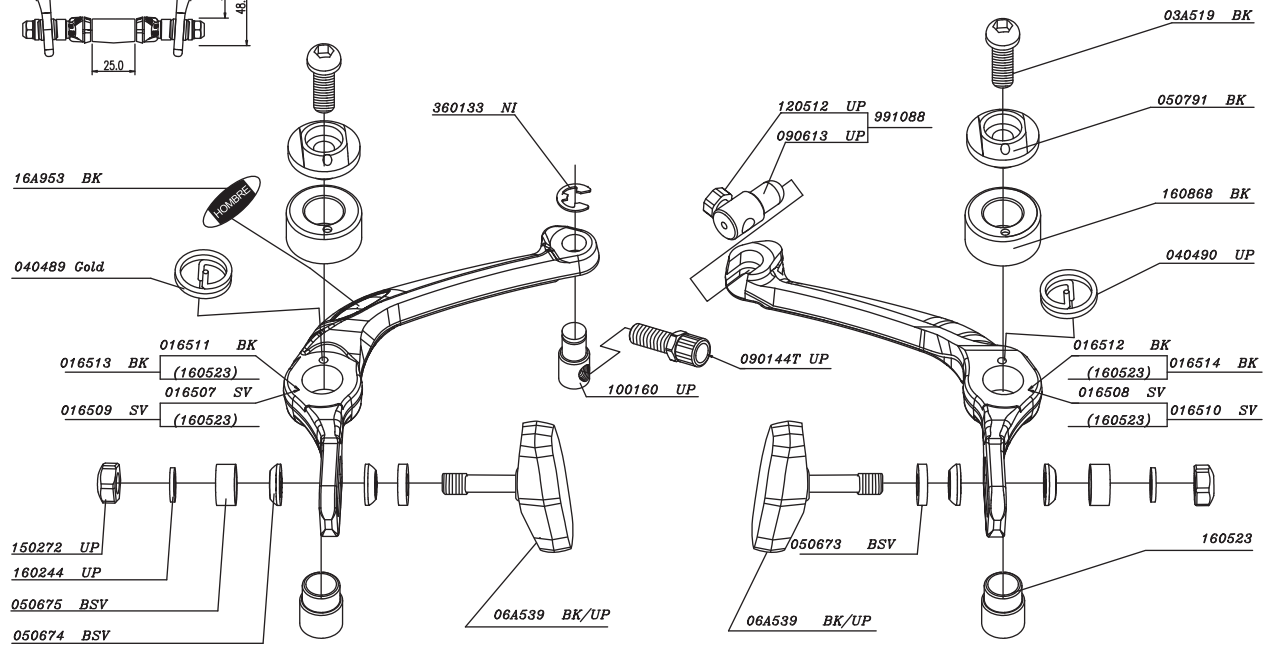
Rear HOMBRE for all bicycles, with center pull cable.

### **Installation:**

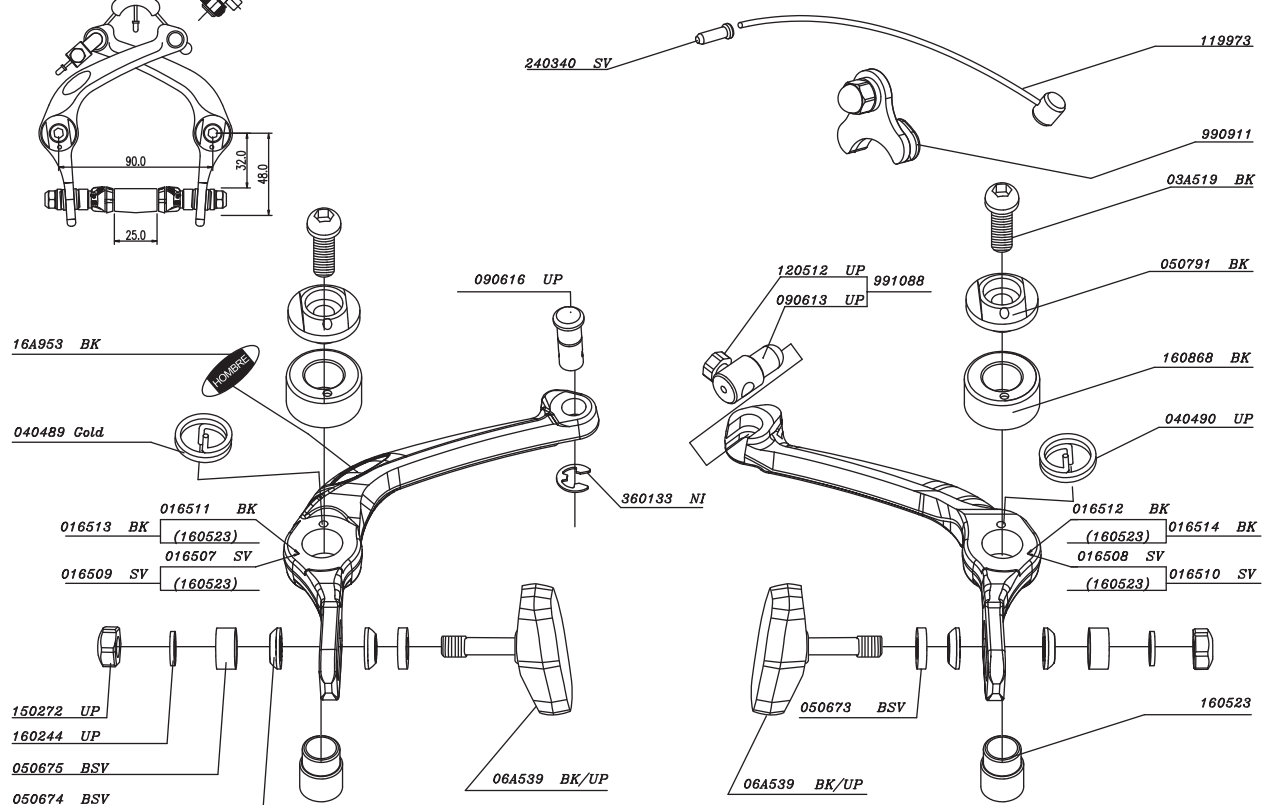
1. Lubricate frame bosses with grease.
2. Remove the packaging wires that hold the return springs, spring covers, and arm fixing nut together. Keep parts together as you slide each arm onto frame bosses. Examine each spring to see that the ends of the springs fit into the holes in spring cover, frame boss and frame fixing nut. Adjust spring tension by loosening frame fixing bolt with 5mm Allen wrench, and applying 13mm open end wrench to arm fixing nut, turn arm fixing nut to adjust spring tension. Adjust spring tension on both sides to be equal or balanced.  
Since the springs are wrapped in opposite directions, tighten the spring by moving wrench from outside to inside. You will be able to feel the spring tension increase or decrease as you do this.
3. Tighten the frame fixing bolt with 5mm Allen wrench to 60 to 80kgf.cm. to secure the spring tension adjustment.
4. Check that arms move freely on frame boss.
5. Align brake shoes with rims, be sure directional arrow on brake shoe points in the direction of rim travel.
6. Adjust spacers on brake shoe mounting bolts to position brake shoes. Be sure that once cable is attached and adjusted, the shoes are about 1mm from rim in the open position. Spacing can be adjusted by changing the position of the spacers on the brake shoe attaching bolt from in-between the arm and rim, or outside the arm.
7. Brake shoe mounting bolts should be tightened to 70-90 kgf.cm.
8. Connect Brake Cable:  
On front HOMBRE cable threads through adjusting barrel, similar to side pull brake. Pull cable through until shoes are positioned approx. 1mm from rim, and tighten cable anchor to 50-70Kgf.cm. On rear HOMBRE a straddle cable and cable yoke are supplied to set brake up as a center pull. Install straddle wire by seating barrel end, and pulling inner cable end through anchor bolt. Use cable yoke to attach brake inner cable to straddle wire. Adjust so that there is at least 20mm of inner cable from top of cable yoke to bottom of adjusting barrel or cable stop on bicycle frame-to provide sufficient range of motion for brake operation. Tighten cable anchor on yoke to 50-70Kgf.cm. Cut off excess brake and straddle wire and attach cable ends.  
On HOMBRE W, two brake inner cables come back to the cable anchors. Bicycle frame must be designed for double inner cable, with rotor and two-wire brake lever installed on bike. Pull each inner cable through cable anchor bolts, until brake shoes are 1mm from rim. Tighten cable anchor bolts to 50-70Kgf.cm. Be aware that if brake inner cables are loose, the nipple on one or both cables could slip out of rotor. Keep brake adjusted and cable secure.
9. Test installation by squeezing brake lever all the way to handlebar 10 times. Check that brake inner cable does not slip through cable anchor bolts, and that cable housing has seated correctly at all frame attachment points and into brake lever. Test ride bicycle carefully.



## FRONT SET UP



## REAR SET UP



### Contact Info:

**DIA-COMPE Taiwan Co., Ltd.**

**No.62 Taichung Industrial Park 35 th rd. Taichung Taiwan**

**Tel:886-4-2359 1117 /Fax:886-4-2359 3188 /E-mail:diatech@ms15.hinet.net /WEB:www.diacompe.com.tw**

### Yoshigai Corporation

**No.7-25,Higashi-ebata Cho, Kadoma City, Osaka, Japan 571-0008**

**Tel:81-72-884-8020 /Fax:81-72-884-8030 /E-mail:info@diacompe.co.jp /WEB:www.diacompe.co.jp**