



**LEFT HAND**

**REAR BRAKE**

**PN: N1-B / N1-H / N1-K**

**N1-S / N1-Y**

**OX-BRAKE "2"**

**NISSIN REAR BRAKE SYSTEM  
BETA, HONDA, KAWASAKI, SUZUKI, YAMAHA,**

**INSTALLATION INSTRUCTIONS**

***Read instructions prior to installing your OX-BRAKE.  
These instructions will help you with proper installation!!!***

Your OX-BRAKE, Left Hand Rear Brake (LHRB), with or without an auto-clutch, will add a new dimension to your riding style. After a day or two of riding you will begin to appreciate the advantages of your LHRB.

OX-BRAKE, LHRB is a stand-alone, "Auxiliary-Braking System" that works in conjunction with your rear brake foot lever .OX-Brake does not replace your primary brake system. Installation of your OX-Brake will have no affect on the original hydraulic braking system installed by the manufacturer

***. Note: the OX-Brake system will not function as designed when installed on a brake system that does not meet manufacturer specifications, or one that requires maintenance.***

**\*\*\*\*\* \*\* "WARNING" \*\* \*\*\*\*\***

**INSTALL THIS PRODUCT AT YOUR OWN RISK !!!**

**SOME BETA MOTORCYCLE MAY REQUIRE TANK REMOVAL !!  
OX-BRAKE "2" LEVER REQUIRES GRIP REMOVAL FOR ALL Motorcycles, for information of grip removal, youtube, motorcycle grip removal, it's easily done.**

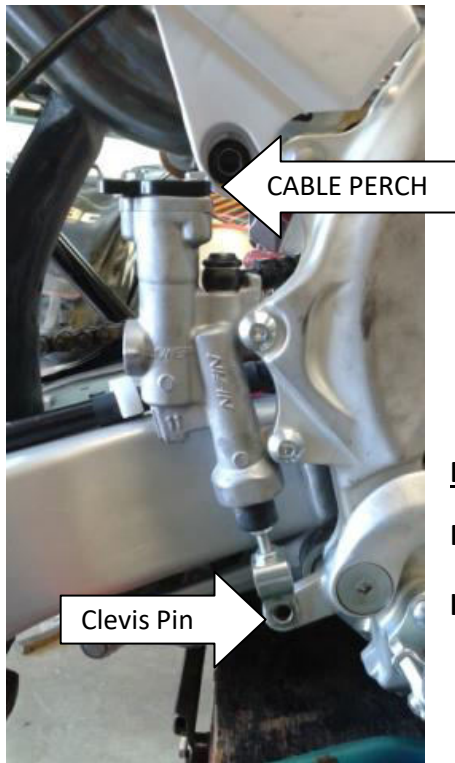
1. Some of the Plastic on the left side of the fuel tank may be removed or loosened.
2. Remove Grip, Install LHRB Lever next to the left grip flange. A space of 5/8" is required. move the clutch lever and other items in toward the center of the handle bars.
3. Figure #1-- Remove the clevis pin from brake foot lever and clevis.
4. Figure #2-- Move clevis away from brake pedal.
5. Figure #3-- Slide the "Cable adapter over the Rear brake pedal.
6. Figure #4-- Return the Brake Clevis to the Pedal, raise the Cable Adapter and insert pin.
7. Figure #6—Install Cable Perch on top of brake cylinder, paint side down, use supplied screws 4x20mm and washers, use thread locker and torque to manufacture specifications.
8. Figure #6--Route cable- Follow the routing of the clutch line/cable. *Direct cable away from any exhaust contact, route under the subframe, over or around the shock and down to the cable perch.*
9. Insert lower end of cable into the Cable Perch on brake cylinder. The cable may be required to be inside or outside of the subframe to be clear of the exhaust. Install the upper end of inner cable wire into the LHRB Lever screwing the adjuster on the LHRB Lever all the way in. Thread the inner wire into the rear hole on the Cable Adapter.
10. Figure #6--Install the Cable Clamp over the inner wire, Tighten the set screw in Cable Clamp just enough to keep it from sliding down (used supplied hex wrench).
11. Figure #6—Snap the inner wire several times. With a pair of pliers snap down on the inner wire to take out slack and seat the cable in its routing. Next push the cable clamp up to touching the Cable Adapter and the Cable Adapter seated on the brake pedal, tighten the cable clamp to test the LHRB lever for proper operation of the brake system. Cable end cap can now be crimped onto cable end to prevent fraying of the cable.

The OX-Brake system has been tested and works as stated, if you need assistance or any questions. Call: Technical Support, **Chuck 303-888-6923**



**Figure #1 Install OX-Brake Left Hand Rear Brake Lever**

## Installing the OX-BRAKE on the NISSIN Brake Systems



Note

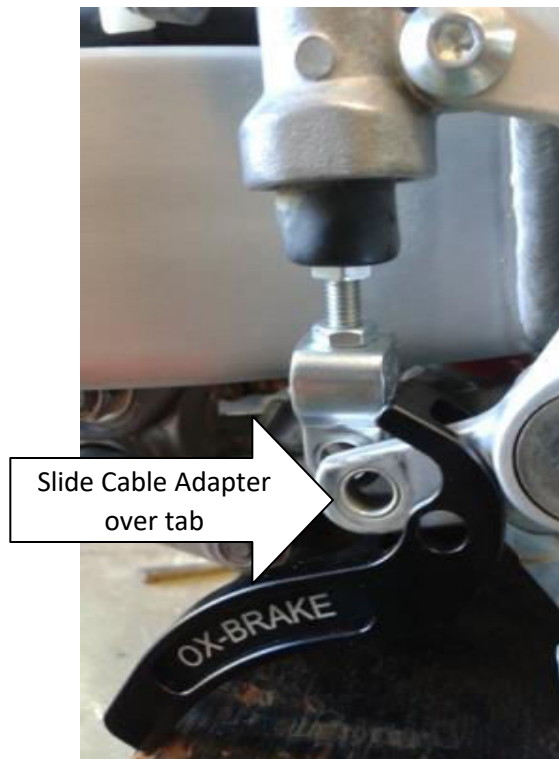
Photos may not be of your specific Motorcycle

**Figure 2**

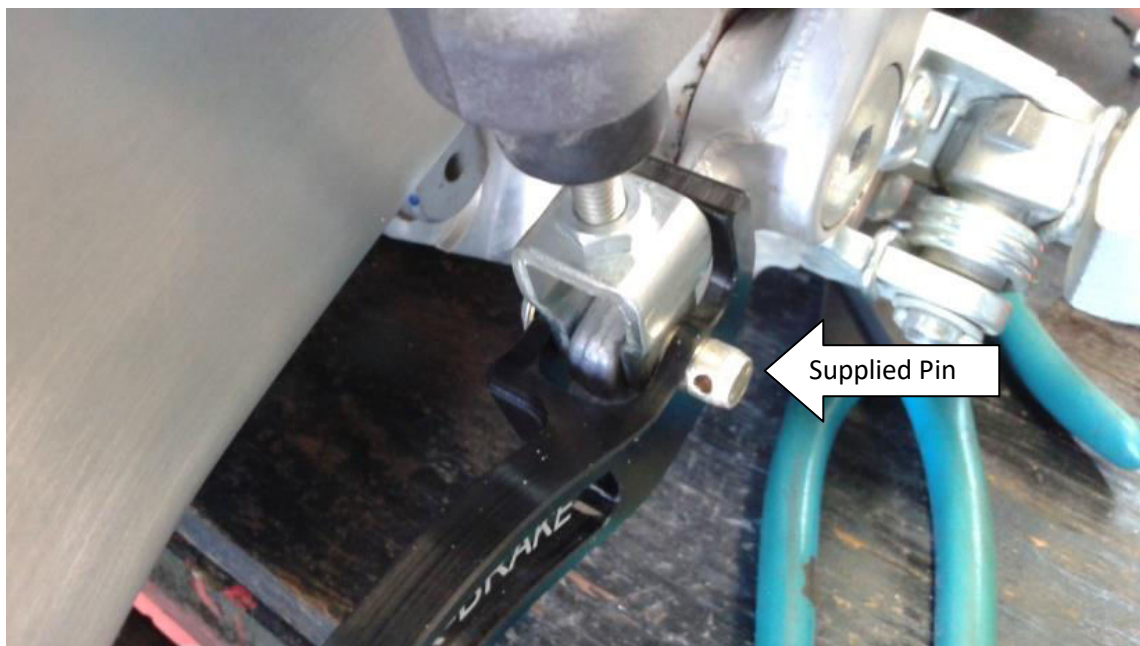
Remove Clevis Pin from clevis connecting to brake pedal. Install cable perch to top of brake cylinder.



**Figure 3, Move clevis and pushrod aside**



**Figure 4 Slide Cable Adapter over the brake lever tab**



**Figure 5. Reposition clevis over brake tab, Raise Cable Adapter, shim as required (supplied washers). Align holes, insert supplied clevis pin, and secure with supplied washer and cotter pin.**

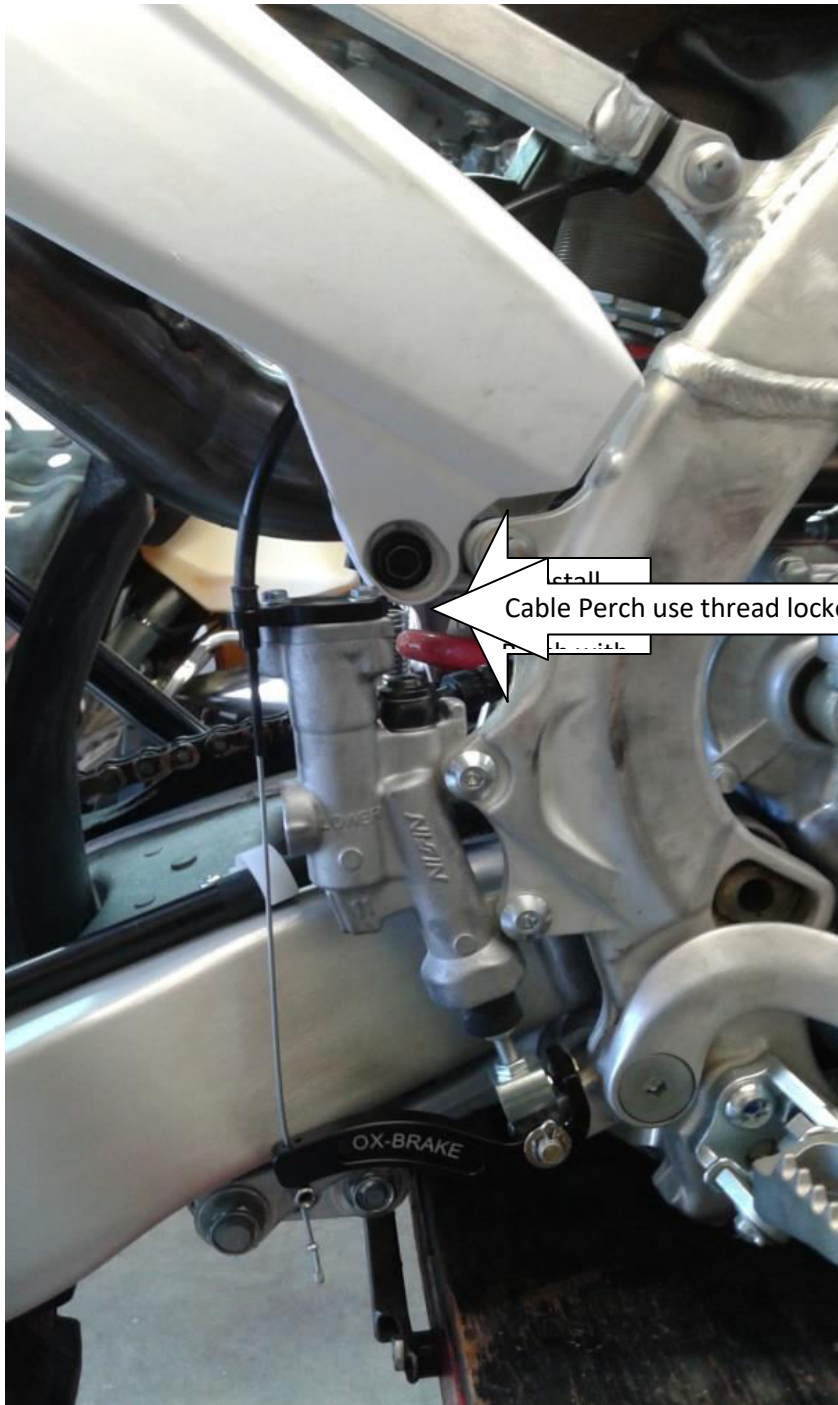


Figure 6.

Installation of Cable Adapter, Cable Perch, Cable, And Cable Clamp Completed.

**Caution:** Confirm the Cable housing is no closer than 3/16" from **Exhaust!**, **heat will melt the cable housing.!!!!** Your warranty does not cover a melted cable.

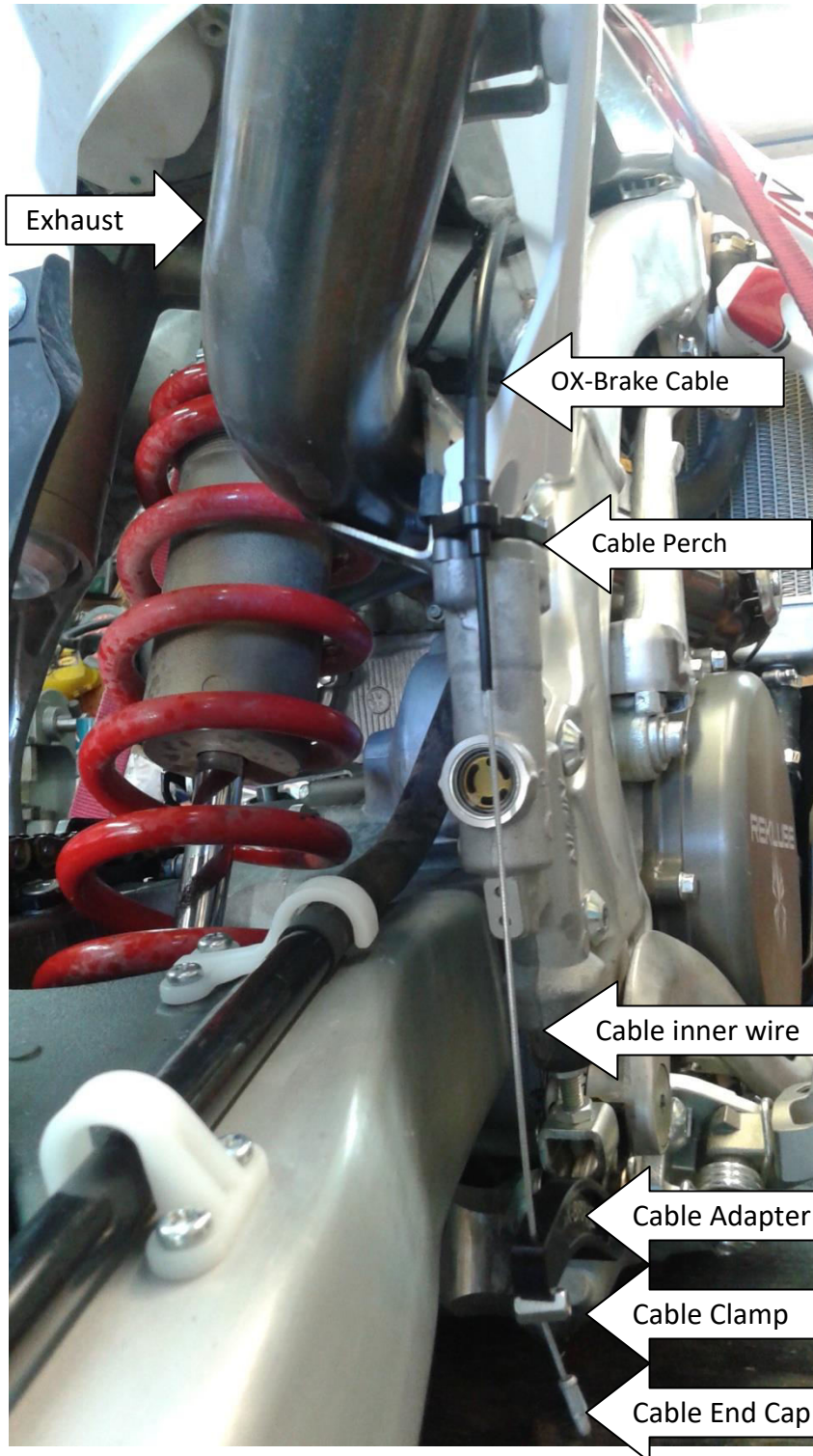


Figure 7

Photo may not be  
your specific  
motorcycle

## DID YOU SET THE “FREE TRAVEL ?

### Refer to Your Owners Manual for this information

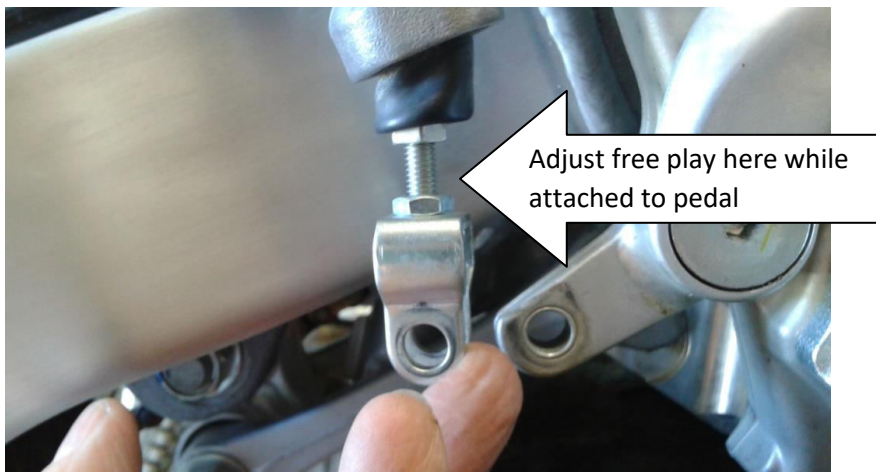
The Free Travel of your rear brake pedal is critical to the performance of your OX-BRAKE.

#### “SETTING THE FREE TRAVEL”

1. Remove the spring from the Brake Pedal, if installed.
2. Move the Brake Pedal up and down to determine when the Push Rod contacts the Brake Cylinder Piston.
3. When you have determined the amount of Free Travel (at the front of the Brake Pedal) adjust this Free Travel to 3/8” up and down movement.
4. When completed, torque nuts to manufacture specification.
5. Reconnect the spring.

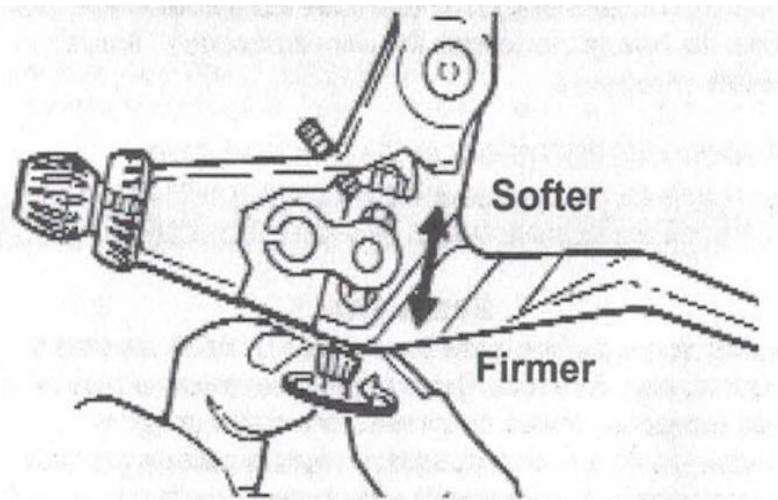
**Warning:** if there is no free travel on the foot brake lever, pressure builds up on the rear brake circuit, the rear brake can fail due to overheating, It will drag and can lock-up the rear wheel.

Adjust free travel on foot brake lever according to manufacture specification.



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### **POWER SELECT LEVER**

- 1. Install lever place cable in center of travel.**
- 2. Ride and test brake in this position.**
- 3. Following initial test, move to the maximum Firmer position, test for change.**
- 4. Following the Firmer position, move to the softer position.**
- 5. This will allow you to experience the full range of adjustment. Select your desired position.**
- 6. As you become more comfortable with the LHRB, You will change the position several times, to find your desired POWER.**