

Revised 7-5-11

TOOLS NEEDED: 6MM ALLEN WRENCH 5MM ALLEN WRENCH 12MM WRENCH 12MM SOCKET
10MM WRENCH 10MM SOCKET T40 TORX BIT AND WRENCH
THREAD LOCKER BRAKE FLUID

HARDWARE INCLUDED: (2) RUBBER WASHER (2) DUAL THREADED STUD (2) M6-1.0 ACORN NUT (1) M6 FLAT WASER
(1) M6-1.0 X 35MM FLANGE HEAD HEX BOLT (1) M6-1.0 X 35MM FLANGE HEAD HEX BOLT (1) M6 HEX NUT

WE RECOMMEND PROFESSIONAL INSTALLATION OF THIS PART.

WE RECOMMEND USING A SMALL AMOUNT OF THREAD LOCKER ON ALL HARDWARE. PLACE BIKE ON CENTER STAND.

INSTALLATION:

- 1.) USING THE 5MM ALLEN WRENCH, REMOVE THE FOUR BOLTS HOLDING THE FRONT FENDER ON. THER ARE TWO ON EACH SIDE IN FRONT OF THE FORKS. SET BOLTS AND FRONT FENDER ASIDE.
- 2.) USING THE 5MM ALLEN WRENCH, REMOVE THE TWO BOLTS HOLDING THE CHROME FORK COVER, AT THE REAR OF THE COVER. DO THIS FOR BOTH SIDES. SET BOLTS AND FORK COVERS ASIDE. THIS STEP WILL EXPOSE THE BRAKE CALIPERS AND THE BRAKE CALIPER MOUNTING BRACKETS.

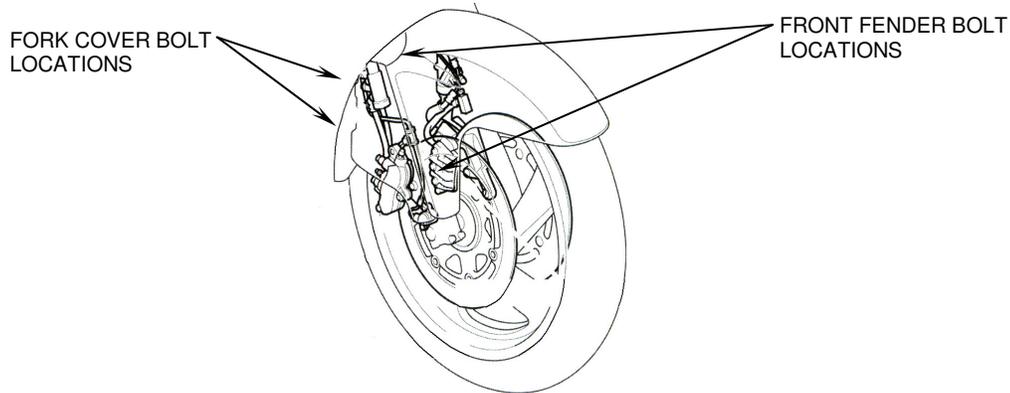


Figure 1 -REMOVAL OF FENDER AND FORK COVERS

INSTALLATION INSTRUCTIONS FOR FRONT LEFT CALIPER COMPONENTS, SEE FIGUR 2: WE RECOMMEND PROFESSIONAL INSTALLATION BY A DEALER FAMILIAR WITH THE CORRECT PROCEDURES TO DRAIN, FILL, AND BLEED THE BRAKES. IT WILL BE NECESSARY TO REMOVE A BRAKE LINE FROM THE LEFT FRONT BRAKE CALIPER TO REPLACE THE OEM THREADED STUD WITH THE NEW DUAL THREADED STUD. INCORRECT BLEEDING PROCEDURE CAN CAUSE THE BRAKES TO MALFUNCTION OR WEAR OUT PREMATURELY.

- 3.) REMOVE THE BRAKE PAD PIN COVER (A) AND USING THE 5MM ALLEN WRENCH, REMOVE THE BRAKE PAD PIN (B). REMOVE THE BRAKE PADS (C) AND SET THEM ASIDE.
- 4.) USING THE T40 TORX BIT AND WRENCH, REMOVE THE LOWER PIVOT SCREW (D) AND THE HYDRAULIC YOKE SCREW (E) , THAT ARE HOLDING THE CALIPER (F) AND THE CALIPER MOUNTING BRACKET (G) TO THE FORK, AND SET ASIDE. THIS WILL ALLOW THE CALIPER (F) AND THE CALIPER MOUNTING BRACKET (G) TO BE SWUNG FREE OF THE BRAKE ROTOR. IT WILL BE NECESSARY TO ALSO DISCONNECT THE UPPER BRAKE LINE AT THIS TIME. USE A SHOP CLOTH TO SOAK UP THE BRAKE FLUID AS IT DRAINS.
- 5.) WITH THE BRAKE LINE DISCONNECTED, SLIDE THE CALIPER (F) AND THE CALIPER MOUNTING BRACKET (G) APART. THIS ALLOWS FOR REMOVAL OF THE OEM THREADED STUD.
- 6.) WITH THE 12MM WRENCH, REMOVE THE OEM THREADED STUD AND REPLACE IT WITH THE NEW DUAL THREADED STUD (H) AND SLIDE THE NEW RUBBER WASHER (J) OVER THE DUAL THREADED STUD.
- 7.) REMOVE THE RUBBER OEM THREADED STUD COVER PLUG FROM THE CALIPER.
- 8.) SLIDE THE CALIPER AND THE CALIPER MOUNTING BRACKET BACK TOGETHER, RECONNECT THE BRAKE LINE, AND REMOUNT THE ASSEMBLY ONTO THE LOWER PIVOT AND THE HYDRAULIC YOKE. DO NOT TIGHTEN DOWN AT THIS TIME. BE CAREFUL NOT TO DAMAGE THE BRAKE ROTOR OR THE CALIPER PISTONS WHEN RE-INSTALLING.
- 9.) RE-INSTALL THE BRAKE PADS (C) IN THE REVERSE ORDER THAT THEY WERE REMOVED. SEAT THE FRONT OF THE PADS INTO THE PAD CLIP IN THE CALIPER (F) AND SLIDE THE PAD PIN INTO PLACE AND TIGHTEN DOWN WITH THE 5MM ALLEN WRENCH AND INSERT THE PAD PIN COVER (A) INTO THE END OF THE PAD PIN (B) . THIS COVER WAS REMOVED IN STEP #1
- 10.) CHECK THE BRAKE FLUID LEVEL ,ADD BRAKE FLUID, AND BLEED THE BRAKES TO INSURE PROPER BRAKE OPERATION.

(IMPROPER BRAKE INSTALLATION COULD CAUSE SERIOUS DAMAGE TO YOU OR YOUR BIKE)

INSTALLATION OF FRONT LEFT CALIPER COVER (K): SEE FIGURE 2

- 11.) PLACE FRONT LEFT CALIPER COVER (K) AS SHOWN SO THAT THE UPPER HOLE LINES UP WITH THE HOLE SHOWN AND SECURE IN PLACE USING THE M6-1.0 X 30MM LONG FLANGE HEAD HEX BOLT (L) SUPPLIED.
- 12.) SECURE THE LOWER END OF THE FRONT LEFT CALIPER COVER (K), AS SHOWN, USING THE M6-1.0 ACORN NUT (M), ONTO THE END OF THE DUAL THREADED STUD (H). **DO NOT OVER TIGHTEN**

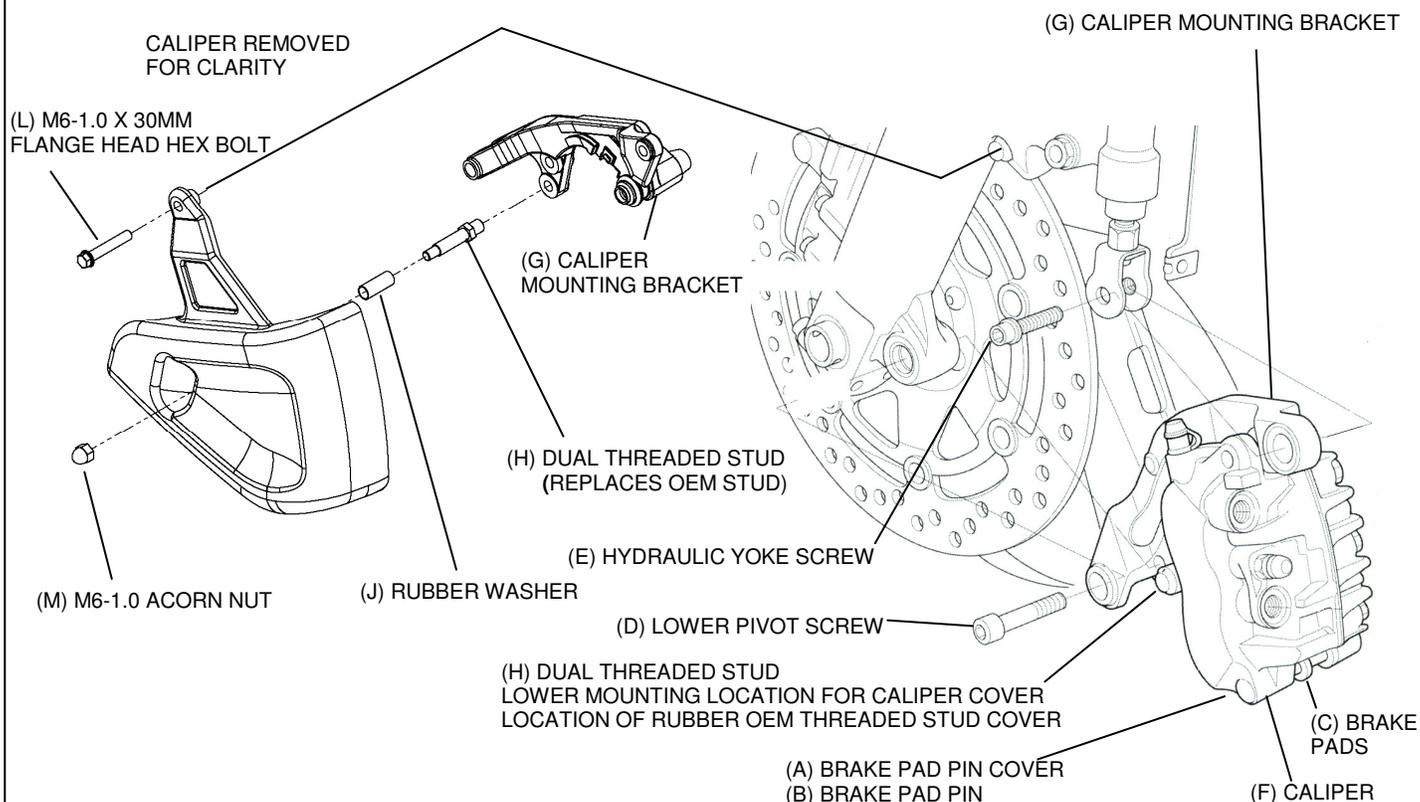


Figure 2 - LEFT SIDE CALIPER REMOVAL AND CALIPER COVER INSTALLATION (RIGHT SIDE NOT SHOWN)

NOTE: DO NOT OVER TIGHTEN THE ACORN NUT, TO PREVENT IT FROM PUTTING PRESSURE ON THE CALIPER. WE RECOMMEND CHECKING THE TIGHTNESS OF ALL BOLTS AFTER 50 MILES.

INSTALLATION INSTRUCTIONS FOR FRONT RIGHT CALIPER COMPONENTS: IT IS NOT NECESSARY TO REMOVE THE BRAKELINES ON THE RIGHT SIDE CALIPER TO REPLACE THE OEM THREADED STUD WITH THE NEW DUAL THREADED STUD.

- 13.) REPEAT STEP 3 ON THE RIGHT SIDE CALIPER (N, NOT SHOWN) .
- 14.) REMOVE (2) HEX FLANGE BOLTS, USING THE 12MM WRENCH, THAT ARE HOLDING THE CALIPER MOUNTING BRACKET (P, NOT SHOWN) TO THE FORKS. THIS WILL ALLOW THE CALIPER (N, NOT SHOWN) AND THE CALIPER MOUNTING BRACKET (P, NOT SHOWN) TO BE SWUNG FREE OF THE BRAKE ROTOR.
- 15.) REPEAT STEP 5-9 ON THE RIGHT SIDE CALIPER (N, NOT SHOWN). **DO NOT REMOVE BRAKELINE ON RIGHT SIDE CALIPER (N, NOT SHOWN).**

INSTALLATION OF FRONT RIGHT CALIPER COVER (R, NOT SHOWN):

- 16.) REPEAT STEPS 11-12 FOR THE RIGHT SIDE CALIPER COVER (R, NOT SHOWN). USE THE M6-1.0 X 35MM LONG FLANGE HEAD HEX BOLT (S, NOT SHOWN), WASHER (T, NOT SHOWN), AND NUT (V, NOT SHOWN) FOR THE TOP MOUNTING HOLE.
- 17.) RE-INSTALL FENDER AND FORK COVERS IN REVERSE ORDER THAT THEY WERE REMOVED.