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ITEMS NEEDED: PHILLIPS HEAD SCREW DRIVER
8MM WRENCH
10MM WRENCH
12MM WRENCH
NEEDLE NOSE PLIERS

NOTE: BEFORE STARTING INSTALLATION, READ THROUGH THE DIRECTIONS TO FAMILIARIZE YOURSELF WITH THE STEPS NEEDED TO COMPLETE THE INSTALLATION

81-110B – BRAKE SIDE

1. REMOVE THE TWO SCREWS ON THE BACK OF THE SWITCHBOX HOUSING USING THE PHILLIPS SCREWDRIVER.
2. ON THE FRONT SWITCHBOX REMOVE THE TWO PHILLIPS SCREWS ON THE BACKSIDE ON THE BOTTOM HOLDING THE STARTER BUTTON IN, AND HOLDING THE WIRES IN PLACE. BE SURE TO KEEP TRACK OF THE SCREWS AS TO WHAT ONES GO WHERE AS THEIR LENGTHS VARY.
3. REMOVE THE STARTER SPRING AND BUTTON FROM THE SWITCHBOX HOUSING.
4. REMOVE THE TWO SCREWS HOLDING IN THE BLACK PLASTIC BACKER PIECE IN.
5. REMOVE THE ONE SCREW HOLDING THE KILL SWITCH INTO THE HOUSING.
6. REINSTALL THE KILL SWITCH AND THE PLASTIC BACKER PIECE IN THE REVERSE ORDER OF REMOVAL FROM THE ORIGINAL HOUSING. MAKE SURE THAT THE TWO WIRES FROM THE KILL SWITCH GO UNDER THE SMALL TAB LOCATED ON THE BACKER PIECE.
7. REINSTALL THE STARTER BUTTON. MAKE SURE THAT THE NARROW END OF THE SPRING GOES INTO THE BUTTON AND THE WIDE END GOES INTO THE PLASTIC PIECE THAT GETS PUT BACK ON WITH THE ONE SCREW THAT WAS REMOVED IN STEP 2. THEN REINSTALL THE SMALL METAL CLIP THAT HELD THE WIRES IN PLACE WITH THE SCREW THAT WAS REMOVED IN STEP 2.
8. LOOSEN THE TWO NUTS ON THE THROTTLE CABLES ALL THE WAY BACK, AND THEN LOOSEN THE ADJUSTMENT NUTS BACK TO GIVE THE THROTTLE CABLES ROOM TO COME OFF OF YOUR GRIP.
9. USING A PAIR OF NEEDLE NOSE PLIERS REMOVE THE TWO ENDS OF THE CABLES FROM THE GRIP.
10. REMOVE THE PHILLIPS SCREW HOLDING THE TOP CABLE INTO PLACE, AND THEN PULL THE CABLE OUT. THEN SPIN THE HOUSING OFF OF THE BOTTOM THROTTLE CABLE.
11. INSTALL THE BOTTOM CABLE INTO THE NEW SWITCHBOX HOUSING BY SPINNING THE HOUSING INTO THE BOTTOM CABLE HOLE, MAKING SURE NOT TO TIGHTEN THE HOUSING ALL THE WAY TO THE TOP OF THE CABLE HOUSING.
12. INSTALL THE TOP CABLE BY PUTTING THE CABLE AND CABLE HOUSING INTO THE TOP HOLE ON THE SWITCHBOX HOUSING AND PUT THE SCREW BACK TO PREVENT THE CABLE FROM SPINNING.
13. THEN REINSTALL THE CABLES BACK ONTO YOUR GRIP IN THE REVERSE ORDER YOU REMOVED THEM.
14. INSTALL THE FRONT OF YOUR SWITCHBOX COVER TO THE REAR USING THE TWO PHILLIPS SCREWS REMOVED EARLIER IN STEP 1. MAKE SURE THAT THE WIRES TO NOT GET PINCHED IN THE SIDES PREVENTING THE HOUSING FROM CLOSING ALL THE WAY. ALSO MAKE SURE THAT THE SMALL CYLINDER STICKING OUT OF THE REAR SWITCHBOX HOUSING GOES INTO THE HOLE ON THE HANDLE BAR TO PREVENT THE HOUSING FROM ROTATING AROUND THE HANDLEBAR.
15. ADJUST YOUR THROTTLE TENSION BY ADJUSTING THE ADJUSTMENT NUTS UNTIL YOU GET THE CORRECT THROTTLE TENSION. YOU DO NOT WANT YOUR THROTTLE TENSION TO BE TOO TIGHT BECAUSE IF IT IS THE THROTTLE WILL NOT SNAP BACK TO THE IDLE POSITION WHEN LET GO, AND YOU DON'T WANT IT TOO LOOSE BECAUSE THEN YOU WILL HAVE TOO MUCH PLAY. WHEN YOU DO GET YOUR THROTTLE AT THE RIGHT TENSION LOCK THE ADJUSTMENT NUTS INTO PLACE BY TIGHTENING THE TWO NUTS WITH A 10MM OPEN ENDED WRENCH UP AGAINST THE ADJUSTMENT NUTS.
16. USING A 12MM OPEN ENDED WRENCH TIGHTEN THE NUT ON THE BOTTOM OF THE THROTTLE CABLE HOUSING TO PREVENT THE HOUSING FROM MOVING AROUND.

OVER

81-110C – CLUTCH SIDE

ITEMS NEEDED: PHILLIPS SCREW DRIVER

1. REMOVE THE TWO PHILLIPS SCREWS AT THE BACK OF THE SWITCHBOX HOUSING.
2. ROTATE THE SWITCHBOX TO RELEASE THE REAR HOUSING.
3. REMOVE THE TWO SCREWS HOLDING THE HIGH/LOW BEAM SWITCH IN THE FRONT OF THE HOUSING.
4. PULL OFF THE BLACK TURN SIGNAL BUTTON FROM THE FRONT OF THE HOUSING.
5. REMOVE THE TWO SCREWS HOLDING IN THE TURN SIGNAL SWITCH. THEN PULL OUT THE SWITCH.
6. REMOVE THE TWO SCREWS HOLDING THE HORN BUTTON IN. REMOVE THE HORN BUTTON AND SPRING FROM THE HOUSING.
7. REINSTALL THE HORN AND HORN SPRING MAKING SURE THAT THE NARROW END OF THE SPRING GOES INTO THE BUTTON AND THE WIDE END OF THE SPRING FACES UP. AND THEN REINSTALL THE TWO SCREWS BACK INTO PLACE HOLDING THE HORN BUTTON INTO THE NEW CHROME SWITCHBOX HOUSING.
8. REINSTALL THE TURN SIGNAL INTO THE HOUSING WITH THE TWO SCREWS MAKING SURE THAT NONE OF THE WIRES GET PINCHED BETWEEN THE HOUSING AND THE TURN SIGNAL SWITCH. THEN PUT THE BLACK TURN SIGNAL BUTTON BACK ON THAT WAS REMOVED IN STEP 4.
9. REINSTALL THE HIGH/LOW BEAM SWITCH BACK IN USING THE TWO SCREWS, MAKING SURE THAT THE WIRES GO UNDERNEATH THE WHITE PLATE ON THE HIGH/LOW BEAM SWITCH AS SO THEY WONT GET PINCHED INTO THE HANDLEBARS. ALSO MAKE SURE THAT ON THE SWITCH ITSELF, IS A SMALL PIECE OF PLASTIC THAT STICKS OUT RIGHT BELOW THE TWO WIRES, AND THIS NEEDS TO BE PUSHED DOWN SO IT RESTS UPON THE SMALL METAL EXTRUSION IN THE HOUSING SO THE SWITCH CAN REST IN THE HOUSING PROPERLY.
10. REINSTALL THE FRONT AND REAR HOUSINGS, WITH THE TWO SCREWS REMOVED IN STEP 1, BACK ONTO THE HANDLE BAR MAKING SURE THAT THE WIRES ARE NOT BEING PINCHED BETWEEN THE FRONT AND REAR HOUSING.