

FLYWHEEL REPLACEMENT



STEP 1 – USE A SIZE 3MM ALLEN TO LOOSEN THE TWO (2) SCREWS ON EACH FRONT COVER (FIG. 1), THEN REMOVE BOTH FRONT COVERS (FIG. 2).











STEP 2 – USE A SIZE 3MM ALLEN (OR MINI RATCHET W/ 3MM ALLEN ATTACHMENT) TO LOOSEN (**BUT NOT REMOVE**) THE TWO (2) SCREWS HOLDING THE SHROUD TO THE INNER FORK ON THE DRIVE-SIDE.





STEP 3 – USE A SIZE 3MM ALLEN TO REMOVE THE SEVEN (3 SHORT AND 4 LONG) SCREWS FROM THE USER-RIGHT SHROUD (FIG. 1), THEN REMOVE THE SHROUD BY PULLING IT AWAY FROM THE INNER FORK SCREWS (FIG. 2) AND MANEUVERING IT OVER THE RIGHT CRANK AND PEDAL (FIG. 3). *NOTE: NEITHER THE RIGHT CRANK NOR THE PEDAL NEED TO REMOVED.











STEP 4 – USE YOUR FINGERTIPS TO SLIDE THE DRIVE BELT OFF THE REAR PULLEY (FIG. 1) AND AROUND THE RIGHT CRANK/PEDAL (FIG. 2). THEN REMOVE THE DRIVE BELT FROM THE FLYWHEEL PULLEY AND PUSH IT TO THE SIDE WHERE IT WILL NOT INTERFERE WITH DISASSEMBLING AND REASSEMBLING THE AXLE HARDWARE (FIG. 3).



Fig. 1



Fig. 3



STEP 5 – ON THE NON-DRIVE SIDE, USE A PAIR OF DIAGONAL CUTTERS TO CUT THE ZIP TIE THAT HOLDS THE GENERATOR WIRE TO THE FRAME (FIG. 1), THEN PULL THE CONNECTED WIRE OUT OF THE FRAME AND DISCONNECT THEM (FIG. 2). *NOTE: BE VERY CAREFUL NOT TO SNIP THE WIRE ITSELF. ALSO, DO NOT PULL THE WIRE SO FAR OUT OF THE FRAME THAT YOU CAN NOT REINSERT IT.







STEP 6 – USE A SIZE 14MM WRENCH TO REMOVE THE AXLE NUTS FROM EACH END OF THE FLYWHEEL AXLE.





STEP 7 – GENTLY PULL THE FLYWHEEL OUT FROM THE FRAME TO RELEASE THE STRAIN ON THE BELT TENSIONERS, THEN SET IT BACK IN PLACE SO THE TENSIONERS ARE SITTING LOOSELY (FIG. 1). REMOVE THE BELT TENSIONERS FROM EACH SIDE (FIGS. 2,3). *NOTE: THE TENSIONERS MUST BE REINSTALLED ONTO THE SAME SIDE THAT THEY WERE REMOVED FROM.











STEP 8 – SLIDE THE FLYWHEEL OUT OF THE FRONT OF THE BIKE, THEN INSTALL THE NEW FLYWHEEL IN ITS PLACE (FIG. 1). SPIN THE FLYWHEEL SO THAT THE GENERATOR WIRE IS NOT OBSTRUCTED BY THE FRAME OF THE BIKE (FIG. 2).











STEP 9 – LOOSELY REINSTALL THE BELT TENSIONERS ON BOTH SIDES OF THE AXLE. *NOTE: ENSURE THAT THE TENSIONERS ARE PLACED ONTO THE SAME SIDE THAT THEY WERE REMOVED FROM.





STEP 10 – GENTLY PUSH THE FLYWHEEL BACK SO THAT IT IS FULLY SEATED WITHIN THE FRAME. ENSURE THAT THE BELT TENSIONERS ARE SNUG AGAINST THE FRAME AND SITTING AT AN EQUAL HEIGHT TO ONE ANOTHER.





STEP 11 – CONNECT THE GENERATOR WIRE TO THE LOWER FRAME WIRE (FIG. 1) THEN PUSH THE CONNECTED WIRES AND EXCESS SLACK UP INTO THE UPRIGHT (FIG. 2).









STEP 12 – USE A ZIP TIE TO SECURE THE EXPOSED WIRE TO THE FRAME AWAY FROM THE AXLE AND THEN USE DIAGONAL PLIERS TO TRIM THE EXCESS LENGTH OF THE ZIP TIE.





STEP 13 – REINSTALL THE AXLE NUTS ONTO EACH SIDE OF THE AXLE AND TIGHTEN THEM BY HAND (FIG. 1). ENSURE THAT THE FLYWHEEL IS FULLY SEATED, THE BELT TENSIONERS ARE ALIGNED EVENLY AGAINST THE FRAME, AND THE GENERATOR WIRE IS SECURED AWAY FROM THE AXLE AND USE A SIZE 14MM WRENCH TO TIGHTEN DOWN THE AXLE NUTS ON EACH SIDE (FIG. 2).









STEP 14 – REINSTALL THE DRIVE BELT ONTO FLYWHEEL PULLEY (FIG. 1). THEN LINE UP THE BELT WITH THE LARGE PULLEY AND PUSH IT ONTO THE PULLEY FROM THE SIDE. *NOTE: DO NOT ROTATE THE CRANK WHILE INSTALLING THE BELT AS THIS COULD TWIST AND DAMAGE THE BELT."











STEP 15 – LIFT THE SHROUD OVER THE RIGHT PEDAL AND CRANK (FIG. 1) THEN MANEUVER THE SHROUD INTO ITS PROPER POSITION. BE SURE TO INSERT THE SMALL SLOTS IN THE FRONT OF THE SHROUD UNDERNEATH THE SCREWS ON THE FORK THAT WERE LOOSENED IN STEP 2 (FIG. 2).





Fig. 2



STEP 16 – USE A SIZE 3MM ALLEN TO BEGIN REINSTALLING THE SHROUD SCREWS. START THE FIRST SHORT SCREW INTO THE HOLE AT THE TOP-CENTER OF THE COVER (FIG. 1), THEN START THE SECOND SHORT SCREW INTO THE HOLE DIRECTLY TO THE LEFT OF THE FIRST (FIG. 2). *NOTE: DO NOT FULLY TIGHTEN AT THIS TIME OR IT MAY BE DIFFICULT TO LINE UP THE REMAINING SCREWS.









STEP 17 – CONTINUE WORKING COUNTERCLOCKWISE TO START THE FINAL SHORT SCREW INTO THE HOLE IN THE REAR OF THE SHROUD (FIG. 1). THEN MOVE TOWARD THE FRONT OF THE BIKE AND START THREADING ONE LONG SCREW INTO THE HOLE JUST BEHIND THE FLYWHEEL (FIG. 2).









STEP 18 – WORK CLOCKWISE FROM BEHIND THE FLYWHEEL, INSERTING THE 3 REMAINING LONG SCREWS INTO THE HOLES ALONG THE BOTTOM OF THE SHROUD. ENSURE THAT THE SEAMS OF THE SHROUDS ARE ALIGNED PROPERLY, THEN TIGHTEN ALL 7 SHROUD SCREWS.





STEP 19 – USE A SIZE 3MM ALLEN (OR MINI RATCHET W/ 3MM ALLEN ATTACHMENT) TO TIGHTEN THE TWO SCREWS HOLDING THE SHROUD TO THE INNER FORK. MAKE SURE THAT THE SHROUD IS BETWEEN THE SCREWS AND THE FORK. *NOTE: DO NOT OVERTIGHTEN THESE SCREWS OR THEY WILL EAT INTO THE SHROUD.





STEP 20 – REINSTALL BOTH FRONT COVERS USING A SIZE 3MM ALLEN.

