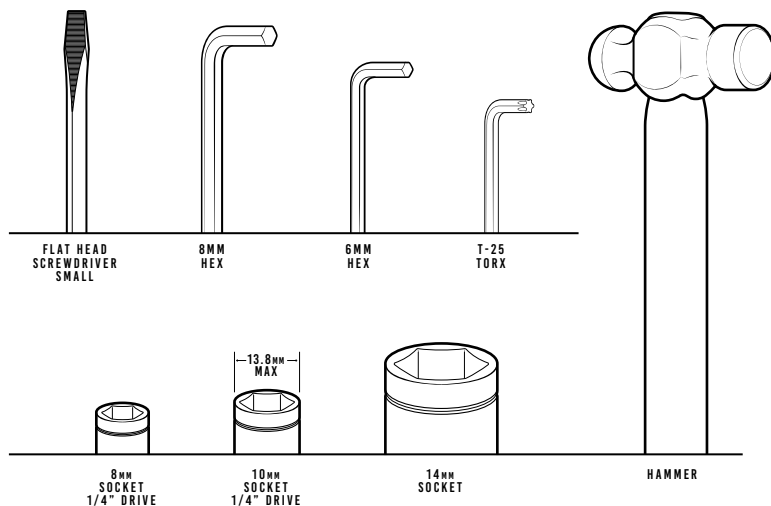
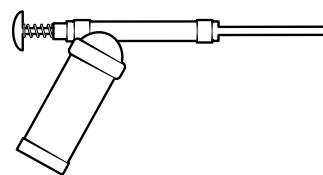




TOOLS NEEDED



SUPPLIES NEEDED



GREASE



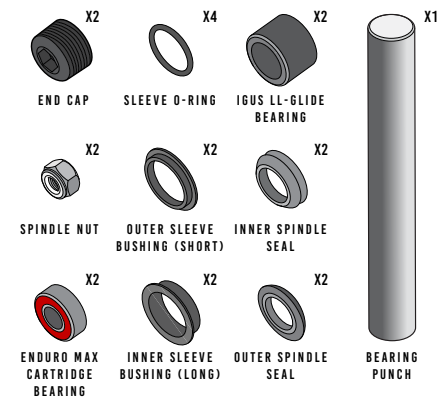
242 THREADLOCK



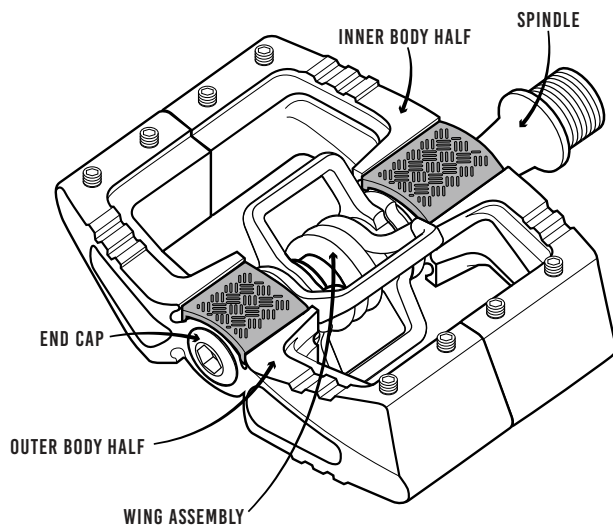
SHOP RAG

REFRESH KIT (PART #16051)

KIT INCLUDES:



PARTS EXPLAINED



BEFORE YOU START

- BRIEFLY REVIEW THE STEPS OF THIS MANUAL TO GET AN IDEA OF THE PROCESS AND DECIDE IF THIS IS SOMETHING YOU ARE CONFIDENT HANDLING. IF NOT, CONTACT YOUR LOCAL BIKE SHOP FOR ASSISTANCE.

- FAMILIARIZE YOURSELF WITH THE GENERAL TERMS OUTLINED IN "PARTS EXPLAINED". A DETAILED VERSION OF THIS CAN BE FOUND ON OUR SUPPORT PAGES.

[Crankbrothers.com / Support / Support Documents / Pedals / Mallet Technical Documents / Parts Explained](https://www.crankbrothers.com/Support/Support%20Documents/Pedals/Mallet%20Technical%20Documents/Parts%20Explained)

- GATHER ALL REQUIRED TOOLS AND SUPPLIES.

- REMOVE THE PEDALS FROM THE BIKE(RECOMMENDED). IT'S IMPORTANT TO CLEAN AND REGREASE THE SPINDLE THREADS CONSISTENTLY TO PREVENT SEIZING IN THE CRANK ARMS. REFER TO THE PEDAL REMOVAL MANUAL IF YOU ARE NOT FAMILIAR WITH THIS PROCESS.

[Crankbrothers.com / Support / Support Documents / Pedals / Mallet Technical Documents / Pedal Installation and Removal](https://www.crankbrothers.com/Support/Support%20Documents/Pedals/Mallet%20Technical%20Documents/Pedal%20Installation%20and%20Removal)



DISASSEMBLE PEDAL



1. REMOVE THE END CAP FROM THE PEDAL WITH A 6MM HEX WRENCH AND DISCARD.



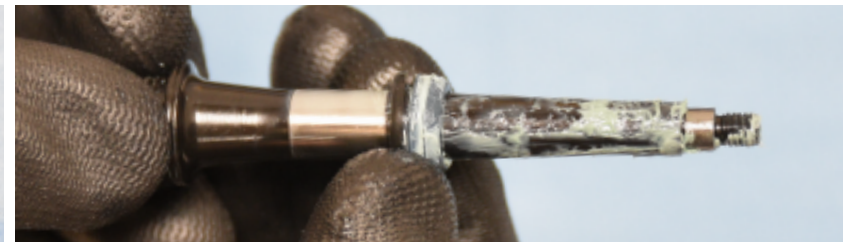
2. REMOVE AXLE NUT USING AN 8MM SOCKET AND 8MM HEX WRENCH INSERTED INTO THE SPINDLE END. DISCARD THE SPINDLE NUT ONCE REMOVED.



DISASSEMBLE PEDAL



3. REMOVE THE SPINDLE FROM THE PEDAL BODY.



4. REMOVE AND DISCARD BOTH SPINDLE SEALS AND CLEAN THE OLD GREASE AND DIRT OFF OF THE SPINDLE.



DISASSEMBLE PEDAL



5. REMOVE THE TWO BODY SCREWS WITH THE T-25 TORX WRENCH AND SET ASIDE ALONG WITH THE SMALL BODY INSERTS.



6. PULL THE TWO BODY HALVES APART.

DISASSEMBLE PEDAL



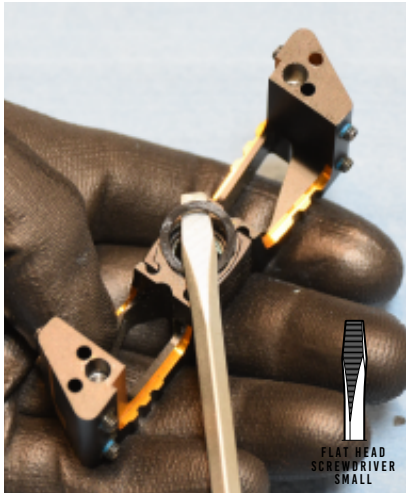
7. REMOVE THE WING/SPRING/SLEEVE ASSEMBLY AND SET ASIDE.



8. USING THE LONG HANDLE 6MM HEX WRENCH, PUSH OUT THE CARTRIDGE BEARING AND DISCARD.



DISASSEMBLE PEDAL



9. REMOVE AND DISCARD THE SLEEVE BUSHINGS AND O-RINGS FROM BOTH PEDAL BODY HALVES.



10. USING THE BEARING PUSH ROD REMOVE THE IGUS LL-GLIDE BEARING FROM THE INSIDE PEDAL BODY. PLACE THE 14MM SOCKET UNDER THE INNER BODY HALF TO ALLOW THE BEARING TO MOVE OUT OF THE PEDAL BODY.



DISASSEMBLE PEDAL



11. WIPE ALL GREASE OUT OF THE INTERIOR OF THE PEDAL BODY USING A SHOP RAG OR PAPER TOWEL.

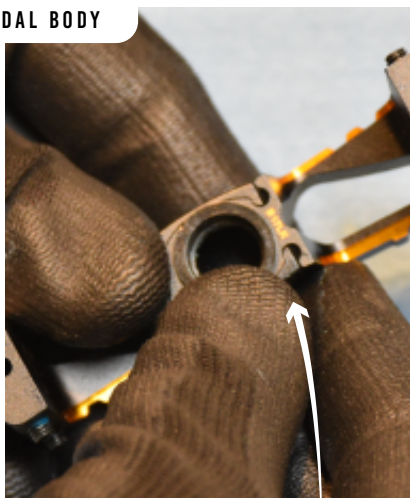


12. CLEAN THE WING ASSEMBLY USING A SHOP RAG OR PAPER TOWEL.



REASSEMBLE PEDAL

OUTER PEDAL BODY

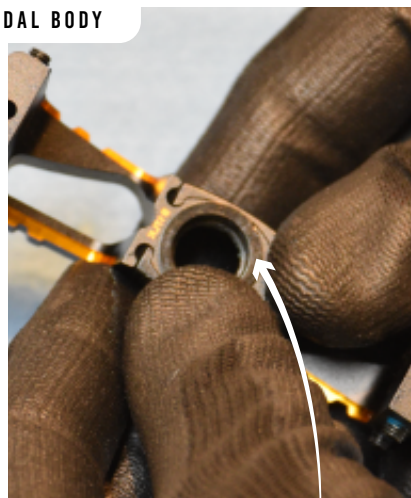


1. INSTALL NEW O-RINGS AND SLEEVE BUSHINGS (SHORT) INTO THE OUTER PEDAL BODY HALF. LIGHTLY TAP WITH A HAMMER TO SEAT.



SHORT

INNER PEDAL BODY



2. INSTALL NEW O-RINGS AND SLEEVE BUSHINGS (LONG) INTO THE INNER PEDAL BODY HALF. LIGHTLY TAP WITH A HAMMER TO SEAT.

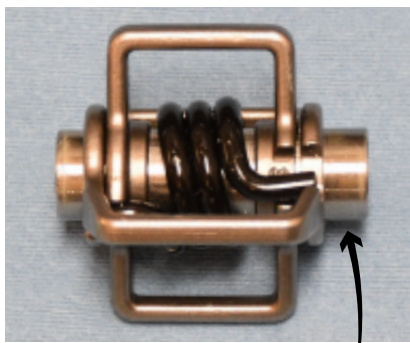


LONG

REASSEMBLE PEDAL



3. APPLY A SMALL AMOUNT OF GREASE TO THE SLEEVE BUSHINGS AND O-RINGS IN BOTH THE INNER AND OUTER PEDAL BODY HALVES.



NOTE: THE SLEEVE IN THE WING ASSEMBLY WILL PROTRUDE A BIT FURTHER ON ONE SIDE, THE LONG SIDE SHOULD BE INSERTED INTO THE INNER PEDAL BODY HALF.



4. INSERT THE WING ASSEMBLY (LONG END) INTO THE INNER BODY HALF, THEN PLACE BOTH BODY INSERTS INTO THE INNER BODY HALF AND HOLD THEM IN PLACE AS SHOWN ABOVE.



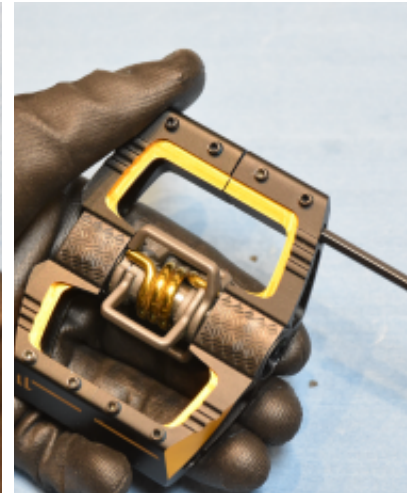
REASSEMBLE PEDAL



5. LIGHTLY COAT THE THREADS OF THE BODY BOLTS WITH 242 BLUE THREAD LOCKER.



6. PLACE A BODY INSERT IN ITS FITTING BETWEEN THE INNER AND OUTER BODY, THEN INSERT THE BODY BOLT TO KEEP THE INSERT IN PLACE. REPEAT THIS ON THE OTHER SIDE OF THE PEDAL.



7. TIGHTEN BOTH BODY BOLTS TO 6Nm USING A T-25 TORX.

REASSEMBLE PEDAL

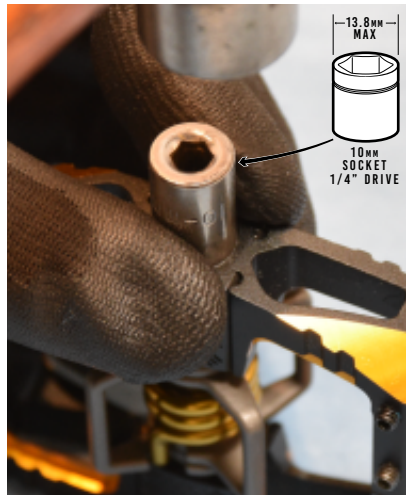


PROFILE VIEW

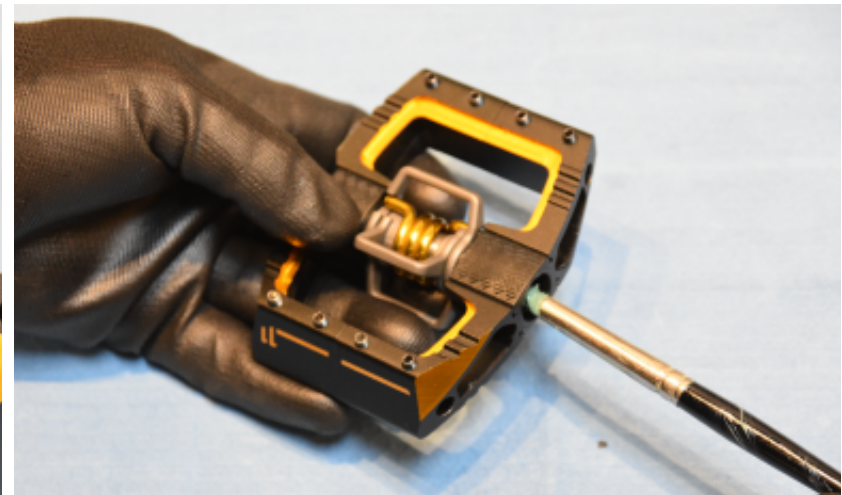
SHARP EDGE

BEVELED EDGE

IGUS LL-GLIDE BEARING



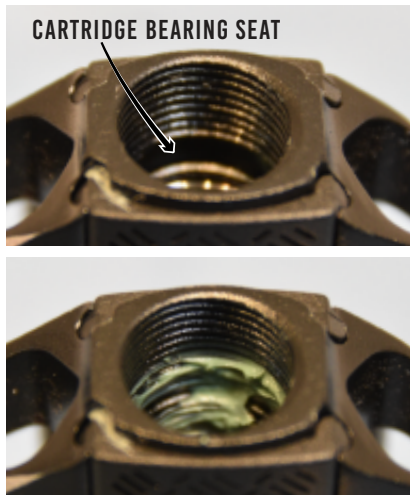
8. POSITION A NEW IGUS LL-GLIDE BEARING AS SHOWN ABOVE WITH THE TOP SIDE FACING AWAY FROM THE INNER PEDAL BODY HALF. USING A HAMMER AND A 10MM - 1/4" DRIVE SOCKET WITH AN OUTER DIAMETER NO LARGER THAN 13.8mm, PRESS THE IGUS LL-GLIDE BEARING INTO THE INNER PEDAL BODY TILL IT'S FULLY SEATED. HAMMER LIGHTLY AND DO NOT FORCE INTO THE PEDAL BODY. IF DIFFICULT TO INSTALL, CHECK BEARING ALIGNMENT.



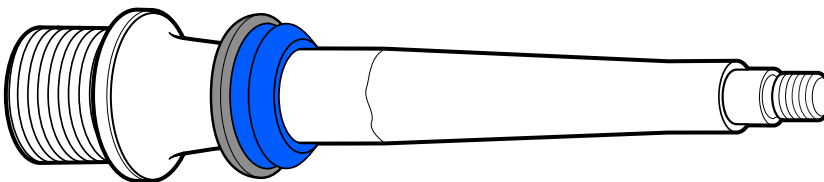
9. GENEROUSLY GREASE INSIDE OF THE PEDAL BODY AND IGUS LL-GLIDE BEARING.



REASSEMBLE PEDAL

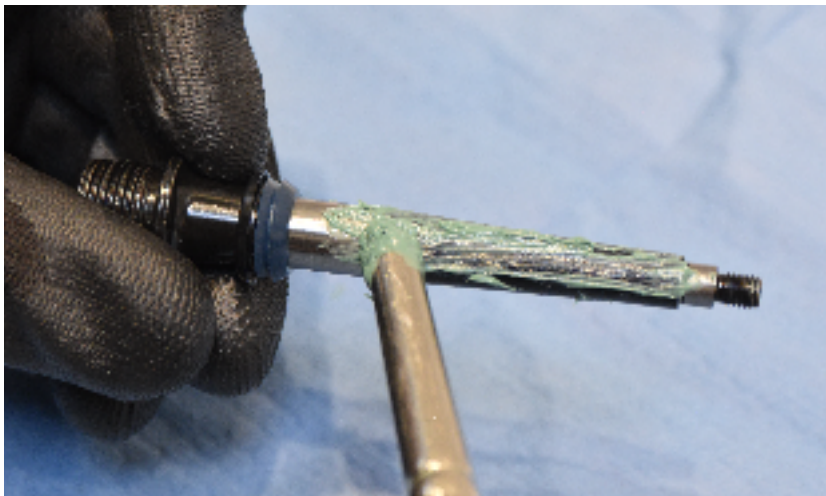


10. AS SHOWN ABOVE, LIGHTLY GREASE THE CARTRIDGE BEARING SEAT INSIDE OF THE OUTER PEDAL BODY BELOW THE THREADS. TRY NOT TO GET MUCH ON THE THREADS IF POSSIBLE. INSTALL CARTRIDGE BEARING INTO OUTER BODY.

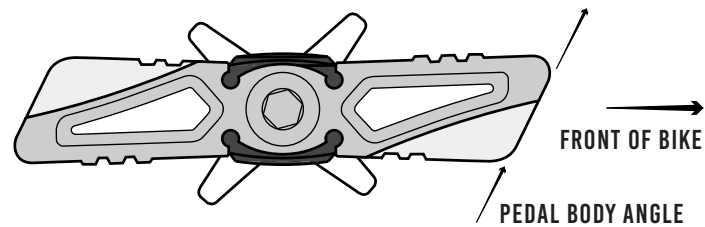


11. INSTALL THE OUTER SPINDLE SEAL FIRST, ROUNDED EDGE FACING AWAY FROM SMALL END OF THE SPINDLE. INSTALL THE INNER SEAL (DOUBLE-LIP SEAL) WITH THE POINTED END FACING TOWARD THE LARGE END OF THE SPINDLE.

REASSEMBLE PEDAL



12. LIGHTLY COAT THE SPINDLE WITH GREASE. (DO NOT GREASE THE THREADS AT THE SPINDLE END)



13. INSERT THE SPINDLE INTO PEDAL AND THROUGH CARTRIDGE BEARING. NOTE: THE PEDAL BODIES ON THE CANDY 7 ARE LEFT/RIGHT SPECIFIC. PAY ATTENTION TO THE ANGLES ON THE PEDAL BODY, THEY SHOULD RAMP UP AND TOWARD THE FRONT OF THE BIKE.



REASSEMBLE PEDAL



14. INSTALL NEW AXLE NUT AND TIGHTEN TO 4Nm. WARNING: THE NUT MUST BE TIGHTENED CORRECTLY OR THE BODY ASSEMBLY COULD FALL OFF DURING RIDING AND CAUSE INJURY.



15. ADD GREASE TO INSIDE OF THE END CAP AND SET ASIDE.



16. INSTALL THE HEX END CAP AND TIGHTEN TO 3Nm WITH A 6mm HEX.

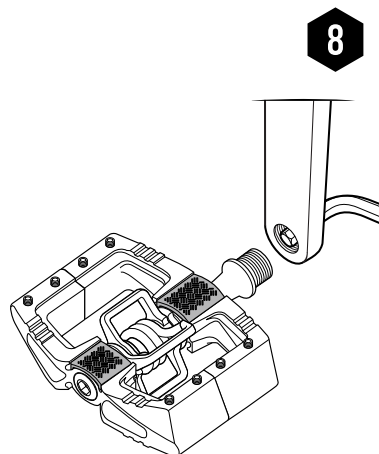


17. CHECK THE OUTER SEAL AND CONFIRM IT IS FLUSH AGAINST THE PEDAL BODY. IT MAY BE NECESSARY TO PRESS THE OUTER SEAL AGAINST THE PEDAL BODY.

INSTALL PEDALS



18. ADD A THIN COAT OF ANTI-SEIZE TO THE SPINDLE THREADS.



19. INSTALL YOUR PEDALS USING AN 8MM HEX WRENCH, REFER TO THE PEDAL REMOVAL MANUAL IF YOU ARE NOT FAMILIAR WITH THIS PROCESS.

