

BIG BIKE PARTS®

INSTALLATION INSTRUCTIONS

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PART NO. 71-323/71-323L

ELLIPTICAL MINI DRIVING LIGHT KIT

FITMENT: KAWASAKI VN900 CLASSIC

11/28/2016

TOOLS NEEDED:	PHILLIPS SCREWDRIVER	2MM ALLEN WRENCH	4MM ALLEN WRENCH	5MM ALLEN WRENCH	6MM ALLEN WRENCH
	5MM WRENCH	10MM WRENCH	12MM SOCKET WRENCH	14MM WRENCH	DRILL
	13/16" DRILL BIT	THREAD LOCKER	WIRE CUTTER/CRIMPER	13MM SOCKET WRENCH	

PLEASE READ THROUGH AND UNDERSTAND THESE INSTRUCTIONS BEFORE BEGINNING. USE REMOVABLE THREAD LOCK ON ALL FASTENERS.

ESTIMATED INSTALLATION TIME: 90 TO 120 MIN.

INSTALLATION: DIAGRAM 1

1. DISCONNECT THE NEGATIVE BATTERY CABLE.
2. USING THE PHILLIPS SCREWDRIVER, REMOVE THE TWO SCREWS HOLDING THE FRONT COVER TO THE HEADLIGHT HOUSING, AND THEN DISCONNECT THE HEADLIGHT AND SET IT ASIDE.
3. DISCONNECT THE TURN SIGNALS FROM INSIDE THE HEADLIGHT HOUSING, NOTING AS TO WHICH ONE IS THE LEFT AND RIGHT TURN SIGNAL.
4. USING THE 5MM ALLEN WRENCH, REMOVE THE TWO BOLTS HOLDING THE OEM LIGHT BAR TO THE SIDES OF THE FORKS. REMOVE THE BRAKE CABLE FROM THE WIRE HOLDER ATTACHED TO THE OEM LIGHT BAR.
5. REMOVE THE OEM LIGHT BAR FROM THE BOTTOM OF THE TRIPLE TREE BY USING A 5MM WRENCH TO REMOVE THE TWO BOLTS HOLDING IT TO THE TRIPLE TREE.
6. USING THE 12MM SOCKET WRENCH, REMOVE THE TWO NUTS HOLDING THE HEADLIGHT BRACKET TO THE TOP OF THE TRIPLE TREE. THEN TIGHTEN THE EXTENSION NUTS (A) TO THE TWO BOLTS USING A 13MM SOCKET WRENCH.
7. THEN INSTALL THE MOUNTING PLATE (E) TO THE EXTENSION NUTS (A) WITH THE TWO M8 - 1.25 X 12MM LONG SOCKET HEAD CAP SCREWS.
8. INSTALL THE BRAKE LINE HOLDER TO THE LEFT FORK USING ONE OF THE M8 - 1.25 X 12MM LONG BUTTON SOCKET HEAD CAP SCREW, AND SCREW THE OTHER INTO THE OPEN HOLE ON THE RIGHT SIDE. THEN PLACE THE BRAKE LINE IN THE HOLDER.
9. TAKE EACH MINI LIGHT AND ONE AT A TIME REMOVE THE SET SCREW (N) AND APPLY A DROP OF THREAD LOCK. REPEAT THIS FOR ALL 6 SET SCREWS.
10. INSTALL THE MINI LIGHTS (H) ONTO THE LIGHT BAR (G) USING THE THREADED STEM (D) AND LOCK NUTS (P) PROVIDED WITH THE LIGHTS. TIGHTEN WITH A 13MM SOCKET. (CONNECT THE GROUND WIRE WITH THE RING TERMINAL TO THE M6 - 1.0 X 20MM LONG (I) SOCKET HEAD CAP SCREW AND THE POSITIVE WIRE WITH BULLET CONNECTOR WILL GO INTO THE EXTRA HOLE ON TOP OF THE LIGHT BAR. YOU WILL HAVE TO REMOVE THE BULLET CONNECTOR TO FIT INTO HOLE.)

NOTE: STEPS 10, 11, AND 12 ARE FOR INSTALLING OEM TURN SIGNALS WITH 16-111T ADAPTERS. (SOLD SEPARATELY)

11. REMOVE THE TURN SIGNALS FROM THE OEM LIGHT BAR BY PULLING BACK THE RUBBER COVER COVERING THE NUT HOLDING THE TURN SIGNAL TO THE BAR. REMOVE THE NUT WITH A 14MM WRENCH AND SLIDE THE RUBBER COVER AND NUT ALL THE WAY OFF THE WIRES SO IT CAN BE REMOVED FROM THE LIGHT BAR. REPEAT FOR THE OTHER SIDE.
12. INSTALL EACH OEM TURN SIGNAL (K) ONTO THE TURN SIGNAL INSERT (L) ROUTING THE WIRES THROUGH THE HOLE IN THE INSERT. USE THE NUT REMOVED IN STEP 10 TO ATTACH THE TURN SIGNAL TO THE TURN SIGNAL ADAPTER.
13. ROUTE THE OEM TURN SIGNAL WIRES AND THE MINI LIGHT WIRE UNDER THE LIGHT BAR (G).
14. THE TURN SIGNAL INSERT (L) WITH OEM TURN SIGNAL (K) CAN BE POSITIONED INTO THE LOWER ENDS OF THE LIGHT BAR (G) AND SECURED WITH THE SET SCREWS (N). THE SHORT SET SCREWS GO IN THE BACK HOLES. THERE ARE THREE SET SCREWS ON EACH SIDE.
15. USING THE M6 - 1.0 X 16MM LONG BUTTON SOCKET HEAD CAP SCREWS AND LOCK WASHERS (B), INSTALL THE LIGHT BAR (G) ONTO THE MOUNTING PLATE (E). TIGHTEN SECURELY WITH A 4MM ALLEN WRENCH.
16. RE-ROUTE THE OEM TURN SIGNAL WIRES INTO THE HEADLIGHT HOUSING AND RE-CONNECT AS THEY WERE.
17. LOCATE YOUR BIKE'S BATTERY, FUSE BLOCK, AND/OR ACCESSORY TERMINALS AND WIRE ACCORDING TO **DIAGRAM 2**.

NOTE: IF A 13-207 SWITCHBOX IS PURCHASED, STEPS C & E CAN BE SKIPPED AND PLUG ONE OF THE SWITCHES INTO THE RELAY.

- A) CONNECT THE BULLET CONNECTORS ON BLACK WIRES TO BULLET CONNECTORS ON LIGHT.
 - B) WIRE SMALL GREEN AND RED HARNESS WITH IN-LINE FUSE DIRECTLY TO THE BATTERY: RED (+) POSITIVE, GREEN (-) NEGATIVE.
 - C) FIND A CONVENIENT PLACE TO INSTALL THE SWITCH. DRILL A PILOT HOLE FIRST AND THEN DRILL A 13/16" HOLE.
 - D) ROUTE WIRE HARNESS, AND PLUG THE THREE SPADE CONNECTORS TO SWITCH PER DIAGRAM: (GREEN=GROUND: ORANGE=SUPPLY: BLUE=LEAD.)
 - E) CONNECT THE RING TERMINAL TO THE BATTERY GROUND AND SPLICE THE T-TAP INTO A KEYED POWER SOURCE AND CONNECT THE MALE SPADE.
 - F) CONNECT THE REMAINING FIVE LEADS (2 BLACK, 1 RED, 1 BLUE, AND 1 GREEN) TO THE RELAY PROVIDED AS PER DIAGRAM.
18. TEST LIGHTS FOR PROPER OPERATION BEFORE REINSTALLING ANY REMOVED SIDE COVERS, SEATS, ETC. SECURE RELAY TO KEEP FROM BOUNCING.
 19. USE THE ADHESIVE WIRE HOLDER TO HOLD THE WIRES UNDERNEATH THE LIGHT BAR AND OUT OF SIGHT.

DIAGRAM 1

