



## 2010 & Up HARLEY DAVIDSON® TOURING MODELS RCX True-Dual Headers



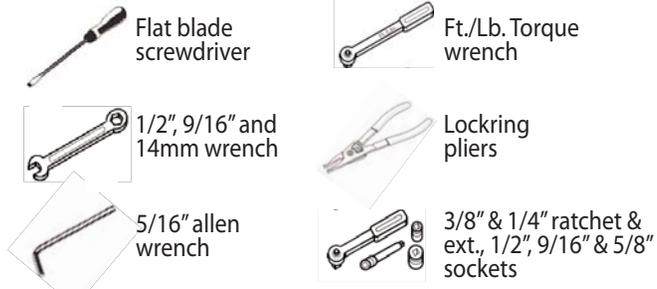
### Installation Instructions Part# RCX301C and RCX301B

Congratulations on your purchase of the RCX Exhaust True-Dual Headers. RCX Exhaust products are designed and engineered for a perfect fit and great performance. Please follow the installation instructions below and if you need further assistance please call our tech support line at 800-360-0915 (ext 130)

#### PACKING LIST

RCX-HDRFRT	Front Header Pipe .....	x1
RCX-HDRREAR	Rear Header Pipe .....	x1
RCX-HDRXOVER	Crossover Head Pipe.....	x1
RCX-HSFRT	Heat Shield Front .....	x1
RCX-HSREAR	Heat Shield Rear.....	x1
RCX-HSXOVER	Heat Shield Crossover.....	x1
NBC200	Torca Band Clamp.....	x1
	Exhaust Gasket.....	x2
	Nylon Cable Tie.....	x2
	Hose Clamps.....	x8

#### TOOLS REQUIRED



### Stock Exhaust System Removal

- Remove both left and right saddlebags. Remove right sidecover.
- Loosen the muffler clamps on the front end of each muffler. (9/16" socket)
- Remove the two 5/16" bolts and washers that mount the mufflers to the saddlebag brackets, (save these to reuse later). Remove mufflers and set aside. (Fig. A)
- Using a 5/16" allen wrench remove the right front floorboard and bracket.
- Locate and disconnect the factory O2 sensor wire connectors (behind right side cover) *Note: pay attention to O2 wire routing for re-installation.*
- Using a 1/2" socket or wrench remove exhaust hanger bolt located on the backside of the oil pan. Do not remove the black bracket. (save bolt for later use) Leave exhaust clamp attached to the OEM crossover pipe, this will not be reused. (Fig. B)
- Loosen exhaust clamp on crossover pipe (5/8"socket). Remove crossover section.
- Using a 9/16" socket and short extension, remove the carriage bolt and nut that attaches the head pipe to the bracket located on the transmission housing. (save bolt and nut for later use)
- Remove the 2 flange nuts from each head pipe located at the cylinder heads. (1/2" socket) Save these to reuse later. (Fig. C)
- Carefully remove the head pipes. *Note: make sure O2 sensor wires are not attached.*
- Carefully remove the O2 sensors from head pipes by using a 14mm wrench. *Note the colors of the front and rear O2 sensor connectors to ensure they are re-installed in the correct location on the new system.*
- Remove the exhaust port flanges and circlips from the factory head pipes. *Note: if the circlip appears bent or twisted, replace them. (Fig. D)*
- Remove the factory exhaust gaskets from each cylinder head. Install the new supplied RCX exhaust gaskets. *Note: tapered side of gaskets go to the outside. (Fig. E)*

### WARRANTY

RCX Exhaust products are warranted against defects in material and workmanship for a period of 90 days from the date of original purchase. This warranty does not cover any discoloration of the chrome finishes. This warranty is limited to the repair or replacement of a RCX Exhaust product proven to be defective from normal use. This warranty does not cover any RCX Exhaust product subject to abuse, misuse, improper installation or modification.





FIG. F



FIG. G



FIG. H



FIG. I



FIG. J

## RCX True-Dual Header Installation

- Carefully unpack and remove all RCX Exhaust components from packaging.
- Using a 14mm wrench install the O2 sensors into bungs on the front and rear head pipes.  
*Note: front O2 sensor has a grey connector and the rear O2 sensor has a black connector.  
Note: use a small amount of anti-sieze compound on the threads of each O2 sensor. (Fig. F)*
- Install the exhaust port flanges and circlips onto RCX header pipes. (Fig. G)  
*Note: circlips must seat flush into the recessed areas on each exhaust flange.*
- Attach the front and rear head pipe to the engine using the stock 1/2" flange nuts. Finger tighten only at this time. (Fig. H)
- Align both header support tabs under the factory transmission mount, (rear head pipe tab on top of front head pipe tab).** Reinstall the carriage bolt from the top side and attach 9/16" lock nut. Finger tighten only at this time. (Fig. I)
- Install the Torca band clamp (supplied) with nut facing down onto the expanded section of the crossover pipe. (Fig. J)
- Place crossover pipe under motorcycle and attach expanded end of pipe to the front head pipe. Leave Torca band clamp loose at this time.
- Align the mounting tab on the crossover pipe with the threaded hole located on the mounting bracket on the backside of the oil pan. Insert 1/2" bolt through mounting tab and finger tighten into the mounting bracket. (Fig. K)
- Install mufflers (preferably RCX) with clamps onto both head pipes. Secure mufflers to saddlebag supports. Finger tighten at this time.
- Route both O2 sensor wires along the same path to which they were removed. Attach O2 sensor wires to frame using the supplied nylon cable ties.
- Tighten the front and rear head pipe flange nuts using a 1/2" socket and a 1/4" drive ratchet and extension. (Torque 18-22 ft. lbs.)
- Tighten the 9/16" lock nut on the support bracket below the transmission housing.
- Tighten the 1/2" flange bolt behind the oil pan that attaches the crossover pipe.
- Tighten the supplied Torca band clamp using a 5/8" deep well socket, that attaches the crossover pipe with the front head pipe.
- Tighten both muffler clamps and hardware that attaches mufflers to saddlebag supports.
- Loop the supplied hose clamps through the mounting clips on the backside of the heat shields. (Fig. L)
- Lay the front heat shield over top of the front head pipe. Tighten hose clamps with 5/16 socket or flat head screw driver. Do not tighten all the way at this time. (Fig. M)
- Repeat the above step for the rear heat shield and head pipe.
- Install the crossover pipe heat shield on the left side of the motorcycle where it meets the left side muffler. Tighten hose clamp with 5/16 socket or flat head screwdriver. (Fig. N)
- Using a 5/16" allen wrench re-install the right front floor board. Check clearance between floor board and heat shield as you tighten the head shield hose clamps. (Torque 55-60 ft.lbs.)
- Fully tighten all heat shield hose clamps. Pay attention to alignment with other heat shields and mufflers. Some readjusting may be necessary.
- Re-attach saddle bags and right side cover.



FIG. K



FIG. L



FIG. M



FIG. N

## FUEL MANAGEMENT

### RC Components is taking the guesswork out of tuning!

Now that you have installed a set of RCX True-Dual headers, your next step should be fuel management. When you install a performance exhaust system, the air flow changes and can lead to an incorrect air/fuel ratio. So you need a fuel management system that will correct this ratio and keep your engine running smooth and efficient.

The **RCX-Celerator** is the best of the best in fuel management! It is a full closed loop system which is the same technology used by today's major auto and motorcycle manufacturers. No programming, No adjustments, No downloads. Just plug it in and ride, it is that easy! The RCX-Celerator automatically detects and adjusts for changes in load, RPM, temperature, elevation and engine modifications. So no matter where you travel your bike will always be running it's best. For more information visit [www.rccomponents.com](http://www.rccomponents.com).

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