



SONORA TOWER BRACKET INSTALL NOTES

**CONGRATULATIONS ON CHOOSING THE LIGHTEST, STRONGEST
TOWER AVAILABLE FOR YOUR BUILD!**

INSTALLING YOUR SONORA IS VERY SIMPLE, AND CAN BE DONE BY ANYONE WITH BASIC MECHANICAL ABILITY. THE SONORA IS DESIGNED TO BE A UNIVERSAL FIT TOWER. EVERY BIKE IS A LITTLE BIT DIFFERENT, AND WE CAN'T FORESEE ALL OF THE DETAILS OF YOUR PARTICULAR INSTALL, SO THE NOTES BELOW ARE INTENDED AS SUGGESTIONS TO HELP YOU MAKE GOOD DECISIONS IN FITTING IT TO YOUR BIKE.

ANY MODIFICATIONS THAT YOU MAKE TO YOUR BIKE ARE AT YOUR OWN RISK.

GIVE US A CALL (01-604-374-5943) OR SEND US AN EMAIL (STORE@RALLYMOTOSHOP.COM) IF YOU HAVE ANY QUESTIONS, OR IF THERE IS ANY WAY WE CAN HELP.

TOOLS AND SUPPLIES RECOMMENDED:

- RTV OR GASKET SEALANT
- DRILL AND 5/16" SHARP BIT
- FT/LBS OR NM TORQUE WRENCH
- SHARPIE
- CLAMPS TO HOLD BRACKET TO MOTO FRAME
- BASIC HAND TOOLS FOR SERVICING YOUR BIKE



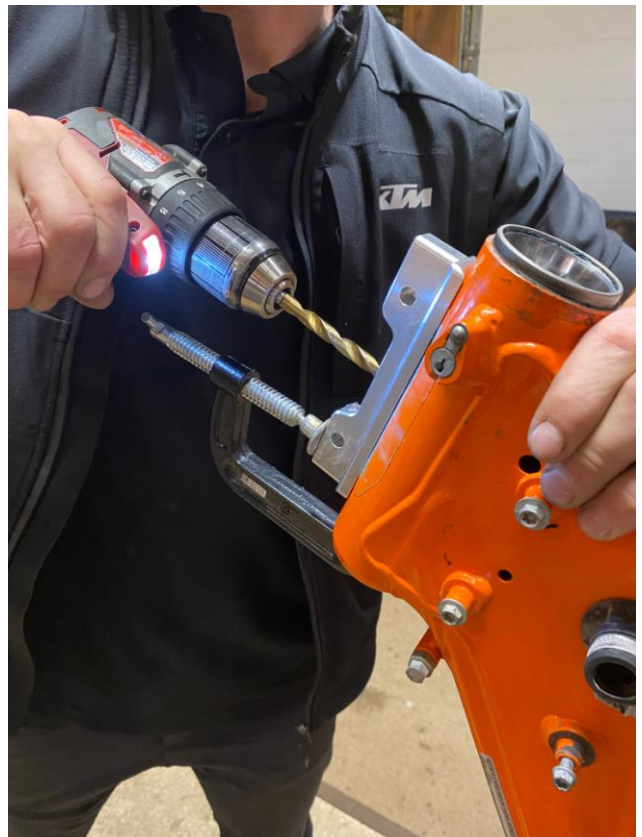
INSTALLATION TIPS:

- FIRST, SECURE YOUR BIKE WELL UPON A STAND SO THAT THE FORKS AND FRONT WHEEL CAN BE LOWERED OUT OF THE FRAME. REMEMBER THAT THIS CAN CAUSE THE BIKE TO TIP BACKWARDS ON THE STAND.
- REMOVE THE HEADLIGHT MASK AND SECURE THE WIRING OUT OF THE WAY.
- NEXT, REMOVE THE UPPER TRIPLE CLAMP FROM THE BIKE AND LOWER THE BOTTOM TRIPLE CLAMP, FORKS, AND FRONT WHEEL OUT OF THE HEADSTOCK.
- TAKE NOTE OF THE POSITION OF THE BEARING RACES INSIDE THE HEADSTOCK. THE INNER PLATE OF THE SONORA BRACKET MUST BE POSITIONED SO THAT IT DOES NOT HIT EITHER THE UPPER OR LOWER BEARING RACE. ALSO TAKE NOTE OF THE POSITIONING OF ANY DAMPER PIN MOUNTS THAT MAY INTERFERE WITH THE BRACKET. GENERALLY SPEAKING, THE CENTRE BOLT ON THE SONORA BRACKET SITS IN THE VERTICAL CENTRE OF THE HEADSTOCK.
- AFTER DETERMINING THE VERTICAL POSITIONING OF THE BRACKET, DETERMINE THE HORIZONTAL POSITIONING TO ENSURE THAT THE TOWER WILL FACE STRAIGHT AHEAD IN LINE WITH THE FRAME. ON MANY BIKES, THE VIN DECAL CAN BE A GOOD REFERENCE FOR THIS. THERE MAY BE MARKS OR WELDS ON YOUR FRAME THAT YOU CAN USE FOR REFERENCE. WE RECOMMEND CLAMPING THE BRACKET IN POSITION AND VISUALLY CHECKING THE ALIGNMENT BEFORE DRILLING.



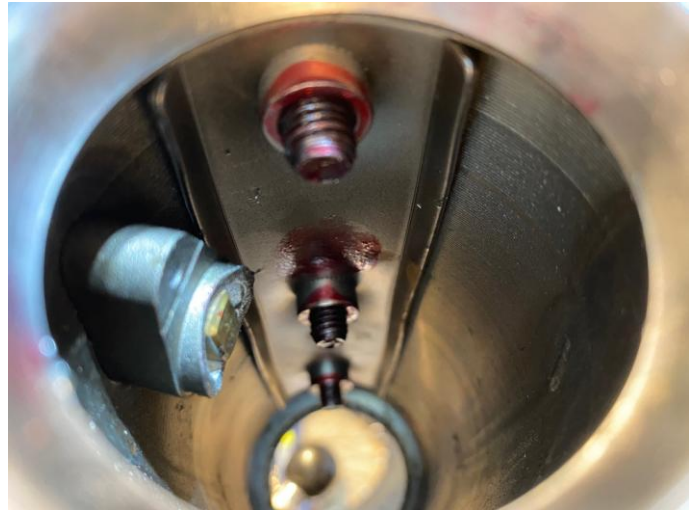


- ONCE YOU ARE HAPPY WITH THE POSITIONING OF YOUR BRACKET, WE RECOMMEND MARKING ITS POSITION ON THE FRAME WITH A SHARPIE SO THAT YOU HAVE A VISUAL REFERENCE IF IT MOVES DURING THE DRILLING PROCESS.
- WITH THE BRACKET CLAMPED IN PLACE, ALIGNED VERTICALLY AND HORIZONTALLY, YOU CAN USE IT AS A GUIDE TO DRILL YOUR MOUNT HOLES IN THE HEADSTOCK. USING A 5/16" BIT, DRILL THE CENTRE HOLE. INSERT A MOUNTING BOLT THROUGH THE CENTRE HOLE TO ENSURE THAT THE BRACKET DOES NOT MOVE DURING ADDITIONAL DRILLING.
- USING THE BRACKET AS A GUIDE, DRILL THE UPPER AND LOWER MOUNTING HOLES.
- REMOVE THE BRACKET FROM THE BIKE, AND CLEAN OUT ANY DRILL SHAVINGS FROM INSIDE THE HEADSTOCK. APPLY A LAYER OF RTV OR GASKET SEAL TO BIKE-SIDE OF THE BRACKET. THIS WILL ENSURE THAT THERE WILL BE NO WATER INGRESS INTO THE HEADSTOCK DURING HIGH-PRESSURE WASHING OR OTHER WET ADVENTURES. APPLY RED LOCKTITE TO THE MOUNTING BOLTS.
- PLACE THE BRACKET BACK IN POSITION ON THE HEADSTOCK, THE INNER PLATE IN POSITION ON THE INSIDE OF THE HEADSTOCK, AND THREAD IN THE THREE MOUNTING BOLTS.





- SEQUENTIALLY TIGHTEN THE MOUNTING BOLTS, ALTERNATING BETWEEN THEM, TO A FINAL TORQUE OF 30NM (22 FT/LBS). NOTE: THE INNER PLATE IS DESIGNED TO DEFORM TO THE EXACT SHAPE OF THE INSIDE OF YOUR HEADSTOCK. THIS IS NORMAL AND INTENTIONAL TO SPREAD ANY LOADS EVENLY.
- RE-INSTALL YOUR TRIPLE CLAMPS AND ASSOCIATED PARTS PER THE MANUFACTURER'S SERVICE MANUAL.
- THE SONORA MOUNTS ONTO ITS BRACKET USING THE STEEL MOUNTING BOLTS, THE NYLON BREAKAWAY BOLTS, OR A COMBINATION OF THE TWO. WE GENERALLY RECOMMEND A STEEL BOLT ON THE LOWER HOLE AND A NYLON ONE ON THE TOP.
- MOST CUSTOMERS REMOVE THE STOCK ODOMETER FROM THEIR BIKES, BUT IF YOU WANT TO KEEP IT, IT IS SIMPLE TO FABRICATE A SMALL ALUMINUM BRACKET TO ATTACH TO THE HANDLEBAR CLAMPS FOR THIS PURPOSE.
- ENSURE THAT ALL WIRING IS SECURED, AND PROTECTED FROM CHAFE THROUGH THE FULL SWING OF THE HANDLEBARS.



Now Go Racing!