





CORKSPORT FRONT STRUT TOWER BAR 2004-2009, 2010+ MAZDA3



WARNING: TORQUE VALUES NOTED IN THESE INSTRUCTIONS MUST BE ABIDED. YOUR SUSPENSION IS A CRITICAL PART OF THE SAFETY OF THE VEHICLE.

THESE INSTRUCTIONS WERE WRITTEN AS A SUPPLEMENT ONLY AND SHOULD BE USED IN CONJUNCTION WITH A FACTORY SERVICE MANUAL. **READ ALL INSTRUCTIONS PRIOR TO BEGINNING THE JOB.**

HOW THE INSTRUCTIONS WORK

TO BEST COVER ALL OF OUR CUSTOMERS EXPERIENCE LEVELS AND FAMILIARITY WITH THE SYSTEMS ON THEIR MAZDA, WE HAVE BROKEN OUR INSTRUCTIONS DOWN INTO NUMBERED STEPS, EACH OF WHICH HAS THE CORE INFORMATION IN THE HEADER WITH ADDITIONAL DETAIL AS NEEDED DEPENDING ON YOUR EXPERIENCE. WHEN VIDEO ASSISTANCE IS ALSO AVAILABLE FOR CERTAIN STEPS IT IS INDICATED BY THE HD ICON:  AREAS WHERE THERE IS A SAFETY CONCERN ARE INDICATED BY THE WARNING ICON:  CAUTIONARY AREAS (WHERE PARTS ARE FRAGILE, ETC) ARE INDICATED BY THE CAUTION ICON:  KEY TIPS ARE INDICATED WITH THE LIGHT BULB ICON: 

PART NUMBER: AXE-3-020 TIME ESTIMATE: 30 MINUTES WRENCH RATING: 1/5	MODEL MAZDA3	YEAR 2004-2009 2010+	TRIM ALL ALL
TOOLING LIST: 3/8 RATCHET 14MM SOCKET TORQUE WRENCH		PARTS LIST: 1. FRONT STRUT TOWER BAR	



INSTALLATION INSTRUCTIONS: CORKSPORT FRONT STRUT TOWER BAR 2004-2010 MAZDA3

1: FIND A SUITABLE LOCATION.

BEFORE INSTALLATION YOU SHOULD PARK YOUR CAR ON A LEVEL SURFACE TO ENSURE THAT YOUR INSTALLATION OF THE FRONT STRUT TOWER BAR WILL NOT BE PRELOADED WITH THE CHASSIS OUT OF ALIGNMENT. ⚠️ SET THE EMERGENCY BRAKE.

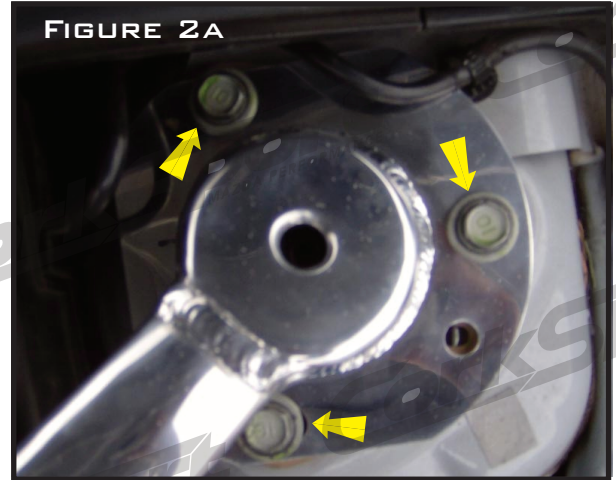
2: INSTALLATION OF FRONT STRUT TOWER BAR

A. REMOVE 3X 14MM STRUT TOP BOLTS ON EACH SIDE OF THE VEHICLE AS SHOWN IN FIGURE 2A.

B. PLACE STRUT TOWER BAR IN ENGINE COMPARTMENT, AS SHOWN IN FIGURE 2A (JOG IN THE BAR GOES FORWARD), ALIGNED OVER HOLES FOR STRUT TOWER BOLTS. START BOLTS BY HAND INTO ALL SIX LOCATIONS.

C. TORQUE BOLTS TO 14-20 FT LB OF TORQUE.

D. CHECK ENGINE COMPARTMENT FOR CLEARANCE GENERALLY BETWEEN THE BATTERY AND THE STRUT TOWER BAR AS WELL AS THE CLEARANCE BETWEEN THE STRUT TOWER BAR AND THE HOOD LINER.



3. TEST DRIVE AND RETORQUE.

A. TAKE THE CAR ONTO A CLOSED STREET OR PARKING LOT, MAKE A FEW AGGRESSIVE SHARP TURNS AT LOW SPEEDS AS WELL AS A FEW HARD ACCELERATIONS AND DECELERATIONS. RETURN TO YOUR SHOP / DRIVEWAY WITH FLAT SURFACE.

B. RETORQUE BOLTS TO 14-20 FT LB OF TORQUE.

NOTE: IF YOU ARE RUNNING A SET OF ADJUSTIBLE FRONT STRUTS AND NEED FURTHER ACCESS TO THE ADJUSTERS THAN IS AVAILABLE WITH THE HOLE IN THE TOP OF THE STRUT TOWER BAR, YOU CAN USE A HOLE SAW WITH A CENTER DRILL BIT SLIGHTLY LARGER THAN THE EXISTING HOLE TO OPEN THE HOLE UP TO A LARGER SIZE. SOME GUIDELINES:

1. WHEN CHOOSING A SAW SIZE, YOU SHOULD RETAIN AT LEAST 1/2"/13MM OF THE FLAT SURFACE AROUND THE OUTSIDE EDGE OF THE TOP PLATE ABOVE THE STRUT.
2. USE A ROUNDED SURFACE FILE OR A DIE GRINDER WITH A DEBURRING TOOL TO CLEAN UP THE EDGE OF THE CUT AFTER YOU'VE COMPLETED THE CUT.

4. WHAT'S NEXT?

NOW THAT YOU'VE INVESTED IN SOME THE STRUT TOWER BAR TO AUGMENT YOUR CORNERING CAPABILITIES, CONSIDER ONE OF OUR REAR MOTOR MOUNT INSERT SETS. AT \$35/SET, THESE URETHANE BUSHINGS FILL THE VOIDS IN YOUR FACTORY MOTOR MOUNT, SUBSTANTIALLY REDUCING WHEEL HOP AND DRIVELINE LASH FOR A FIRMER LAUNCH AND QUICKER DELIVERY OF TORQUE TO THE GROUND. THE INSTALL ON THESE IS A SNAP - PULL 5 BOLTS, PULL THE MOTOR MOUNT, PUT THE INSERTS IN, PUT THE MOTOR MOUNT BACK AND TORQUE ALL FIVE BOLTS TO 70 FT LB OF TORQUE. START TO FINISH IT'S A 30 MINUTE JOB AND MAKES A HUGE IMPROVEMENT.



[HTTP://WWW.CORKSPORT.COM/CORKSPORT-MAZDA-3-MOTOR-MOUNT-INSERT.HTML](http://www.corksport.com/corksport-mazda-3-motor-mount-insert.html)