

Cracked head bolt stud hole



Metal stitching crack using out patented Castmaster stitching pins



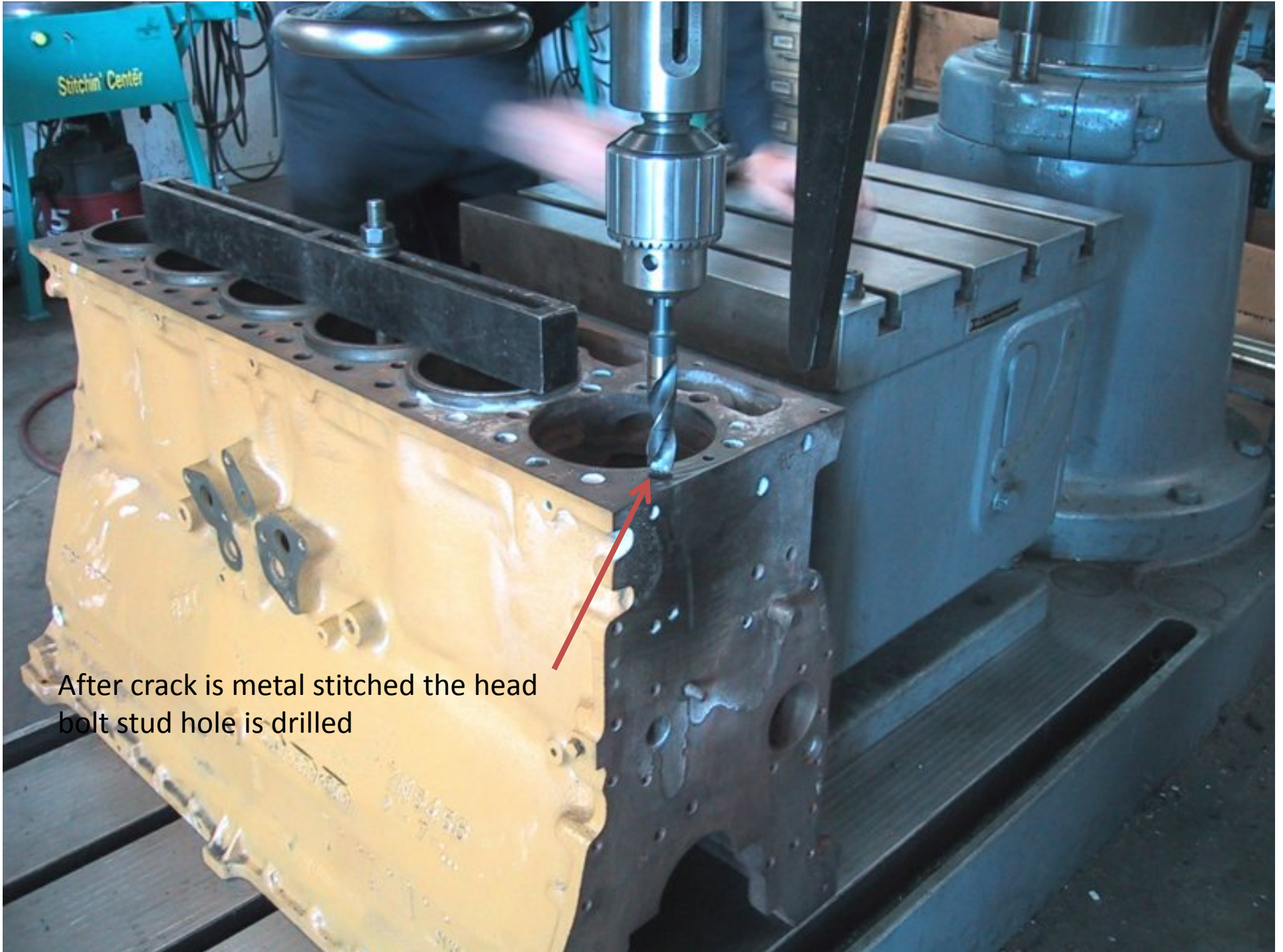
Using the piloted spot facing tool to drill shoulder for stitching pin



Using a power tapping gun to tap holes to accept the Castmaster stitching pins



Installing a continuous row of overlapping stitching pins until the crack is completely sealed



After crack is metal stitched the head bolt stud hole is drilled



Once hole is drilled it is tapped using our spiral hook design threads to accept out Full-Torque insert.



Full-Torque being installed to fix cracked bolt hole. With the outside thread geometry we can fix cracked holes even into a water jacket.







Repaired head stud bolt hole