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Better ways to Remove Broken Bolt by [James Blee](#)

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A broken bolt is a malaise of auto restores, not to point out anyone else trying to fix any piece of machinery. Various ways can be adopted to remove broken bolt. The selection of method depends upon the situation and your existing tools small easy-out kit, left hand drill bits, propane torch, electric drill and vise-grip pliers are helpful in eliminating broken bolt.

Some methods to remove broken bolt:

1. try grasping the remaining bolt with a vise grip pliers or a small pipe wrench. If a portion of the bolt where the head broke off is protruding out, patiently turn out the bolt.
2. If it is an oxidised and detained bolt; scatter the threads with stabbing oil and give it a joint hard rap with a hammer to probably release the seized bolt prior to turning.
3. in order to insert screwdriver and remove broken bolt. A slot may be sliced into the top of the broken bolt.
4. If the bolt is detained, apply a slight heat.
5. A file may be used to even out the sides of the bolt in order to increase the grip.
6. Drill a hole in segment of flat steel, place and weld the strip over the broken stud. An arc welder gives best performance.
7. A screw extractor or broken bolt extractor can also come into use.
8. Use a midpoint punch in the middle of the stud. Make use of a minute diameter drill, drill a hole through the center of the stud, and then employ a drill size that accommodates the screw extractor. Then calmly plug the extraction instrument into the bolt and rear out the broken bolt.

Finally, If all these methods fail, you can rethread the hole to use a new fastener. Drill through the bolt just below its minor diameter and use a tap to rethread the hole. So by using these methods we can easily remove broken bolt.

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