

TECHNICAL
BRIEF

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Manual Pin Pulling Tools



To remove a pin without the use of a hydraulic power pack, there are three tools required in addition to the E-clip tool. They are the pin pulling aid ladder (B990327), the pin puller (B940706), and barrier pulling bar (A990418) which is a specialized pry bar.

- Remove the E-clip at the bottom of the pin using the E-clip tool shown in TB 091015-Rev. 0 in accordance with that Tech Brief.
- Place pin pulling aid ladder on top of barrier



- Place the pin puller on top of the pin.
Note: The pin puller should be handled from the top half ring only. A vice grip or similar wrench may facilitate handling from the top half ring.

- Put the pulling bar through the lower hole of the pulling aid and through the top half ring of the pin puller.



- Using the ladder as a fulcrum, push down on pulling bar to raise pin. Push the bar down as far as it will go, until it hits the top of the barrier.
- Release the tension on the bar and
- Move the pulling bar to the next higher hole of the pulling aid.
- Repeat the above procedure.
- Repeating the procedure to the top of the ladder will allow the pin to be completely removed from the hinge assembly.

