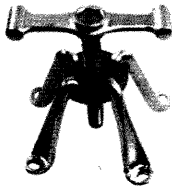


# THE SUNBEAM SURVIVOR

*Tip Of the Month* articles are published in each issue of the *Rootes Review* when possible. They are from *Sunbeam Survivor Tech tips* posted on the *TEAE* website that were culled from decades of "printed" newsletters. Illustrations and photos are occasionally not of high quality because of origin and technology used at time of printing. The *Sunbeam Survivor* is indexed the same as the *Rootes workshop manuals (WSM)*. Comments on *TEAE* forum or to *Rootes Review* editor are encouraged.

T.O.M.'s comment:

Pulling rear axle hubs on any Sunbeam, Tigers in particular, has traditionally resulted in destroyed hubs, axles, skinned knuckles and the owner giving up in despair and taking it to a shop who many times continues the destruction process with a torch. The effective removal of an axle hub requires a very robust tool usually not in the tool box of a DIY (Do It Yourself) owner. These tools are expensive, see example of proper tools. However, a simple effective tool can be made from scrap metal and a welder. Be sure to use at least 3/8<sup>th</sup> inch or thicker metal plate.



Use a puller with four arms like this



Do Not use one like this!

## R1 – Rear Axle Hub Puller

by Ed Esslinger in the July 1996 *RootesReview*

After trying many methods of removing rear (axle) hubs from Alpines and Tigers, I had my welding shop make this tool. The plate is 6" x 6" and is 3/8" thick. The hole pattern is the same as the brake drum. Lug bolt holes 1/2"; U-channel is 1-1/4" deep.

To use this tool, remove brake drum, remove, reverse and reinstall axle nut (to protect threads), leave space between axle nut and hub. Place tool over wheel studs and install wheel nuts. Keep tool square with hub and tighten wheel nuts evenly to 60 ft-lbs. If hub does not start to loosen, tap with hammer.

I've removed a lot of hubs, and it has worked every time. Note the depth of the U-channel can be adjusted by shim placement.

