

# Dealer Service Bulletin # DSB128

## Avenger Turning Circle Modification



The minimum turn radius can be reduced for tighter turning with a slight modification to the steering limit pegs found on the left and right hand steering knuckles.

Fig 1 Shows the Limit Peg, which can be bent slightly to allow a greater arc of motion in the steering linkage, use a piece of pipe or the end of a spanner to such as in Fig 2 to bend the peg towards wheel for each side, to the desired amount. Make the adjustment in small increments and consider effect of additional turning capacity at higher speeds.

Fig 1



Fig 2



If a substantial amount of additional turning is desired, relief's will need to be cut into the Mudflap's as their inner edges will contact the steering tied rod end at full lock, shown in Fig 3. Cut a relief into the plastic mudflap sufficient to accommodate the amount of additional turning arc, using a file, hacksaw blade or rotary tool such as a Dremel as in Fig 4.

Fig 3



Fig 4



Keep removing material from the inner corner of the mudguard, as in Fig 5 and frequently check the amount of clearance to the Tie Rod End as in Fig 6 with each pass of the cutting tool until the relief that has been cut clears the Tie Rod End, In this example a large amount of additional turn was desired, so a large relief was cut

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Fig 5



Fig 6



Begin to smoothen the edges of the relief making sure there is no interference between the guard and Tie Rod End. The process is the same for the left and right sides. Ensure the reliefs are large enough that any vibration of the mudflap from bumps and potholes doesn't cause rattling noises.

