

HILL STALL RECOVERY

Introduction

- a) Always try to succeed in a hill climb first go – select best gear, revs, momentum, line of travel.
- b) But, how do you recover safely if you are driving up a steep slope and you lose power or traction or you need to stop, or you are going down a steep slope and you need to stop??
- c) There are some differences depending on whether you have a manual or automatic vehicle.

Recovery Procedure

a) MANUAL

- Foot on brake. Stall engine
- Keep foot on brake in gear
- Apply handbrake
- Turn off ignition
- Make sure wheels are straight and it is clear behind
- Clutch in. Put in reverse low. Engage hill descent controls if available.
- Foot off clutch (place under pedal)
- Release hand brake
- Release foot brake. (Vehicle should hold in gear)
- Look behind
- Turn ignition on (do not touch foot pedals)
- Back down. NO accelerator. NO clutch. May have to feather brake.

b) AUTO

- Stop the vehicle using the foot brake
- Leave the engine running
- Put the hand/park brake on
- If you need to get out of the vehicle - release the foot brake and let the transmission take up the slack before putting into “P”. NOTE: Putting straight into “P” can lock up the transmission! If the transmission locks up you need to release it by taking the strain off with a light pull by a winch or vehicle/snatch strap
- If you do not need to get out of the vehicle put into “N” - NOT “P” to prevent lock up and keep foot on brake especially if handbrake is not reliable
- Turn off ignition
- Check behind and wheels straight
- Start engine (should start in “N” or “P”)
- Select Low Reverse (use hill descent controls if fitted)
- Release hand brake
- Gently release foot brake
- Back down, feather brake, no accelerator.

Practice! Practice! Practice! Action needs to be automatic. When the time comes you will not have much time to think.

You can find more handy resources like this on our clubs [webpage](http://www.wagga4wdclub.org) (www.wagga4wdclub.org)