

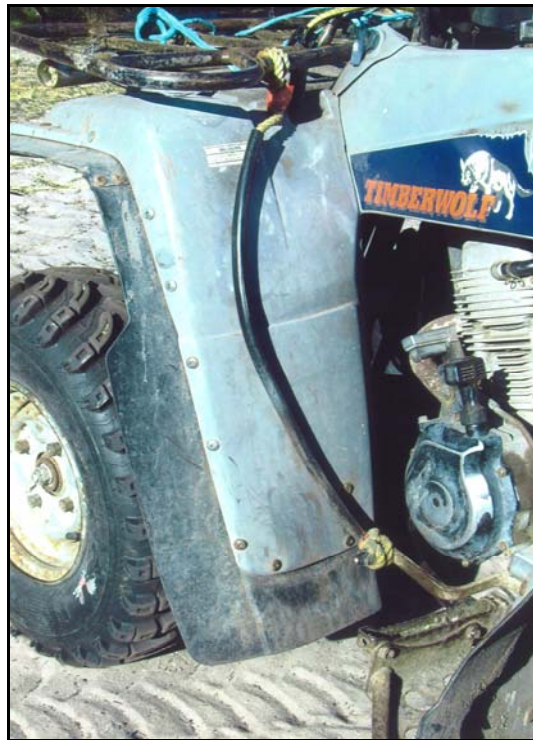
Australian Centre for Agricultural Health and Safety

## Information Sheet 6

### Modified All Terrain Vehicle: Hand Operated Gear Change

Adrian Pearce, a south Australian farmer was involved in an accident which resulted in his left leg being nearly severed below the knee. While Adrian's leg has healed well he has some weakness in his foot and was having difficulty changing gears on his Yamaha 250 quad runner. Adrian made a simple modification to over come this problem; he ran a piece of 10mm rope through a piece of 12mm garden irrigation pipe, attaching one end of the rope to the gear lever and the other to the front loading tray. Adrian simply pulls up on the pipe to change gears and with the remaining strength in his foot he is able to depress the gear lever to go down the gears.

Adrian's Yamaha 250 quad has a centrifugal clutch, so there is no hand clutch on the handle bars, making this modification particularly easy to use, an additional advantage is that others can operate the gears without the interference of the modification.



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