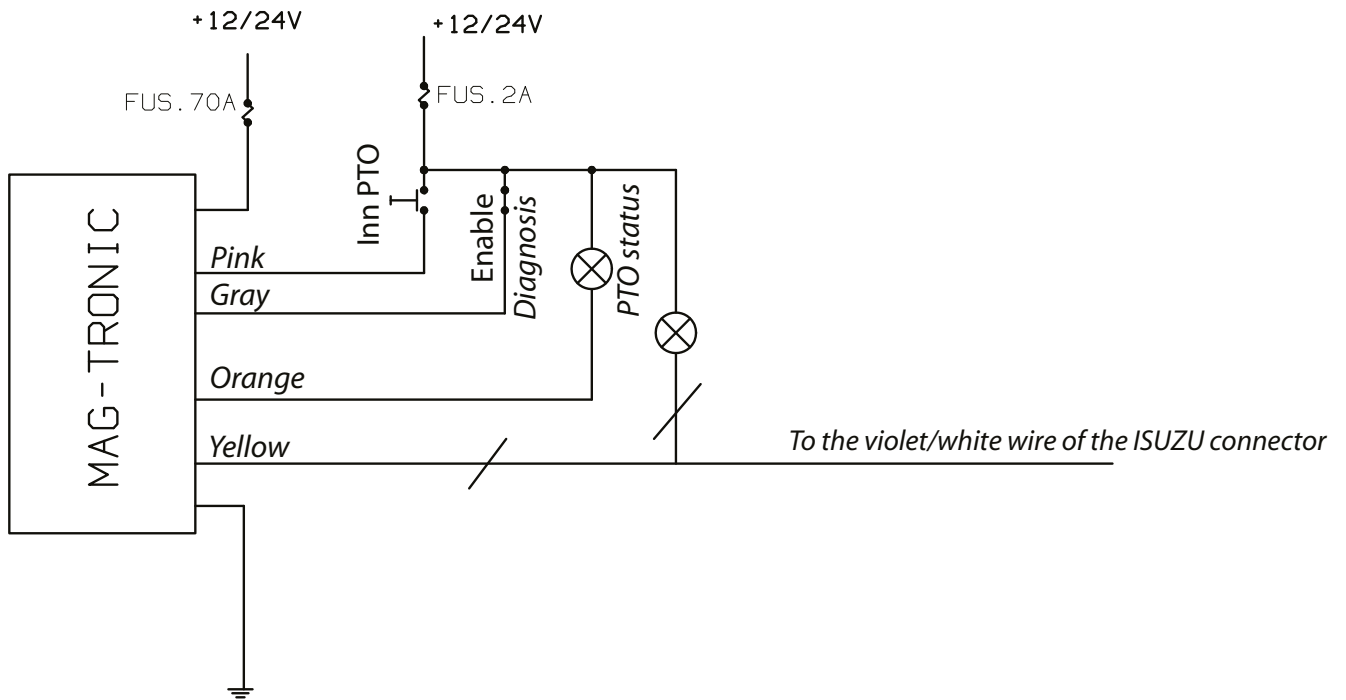
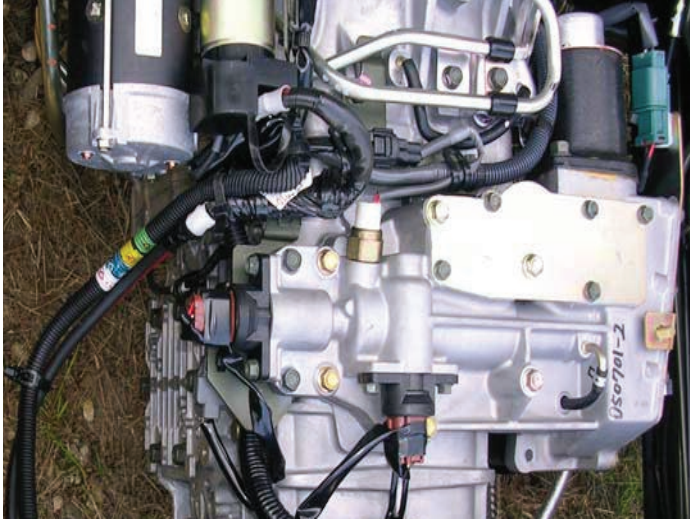


PTO Wiring Kit - SA3050

SA3050 - Isuzu Wiring Kit Smoother Mag-Tronic PTO

GEARBOX ASSEMBLY

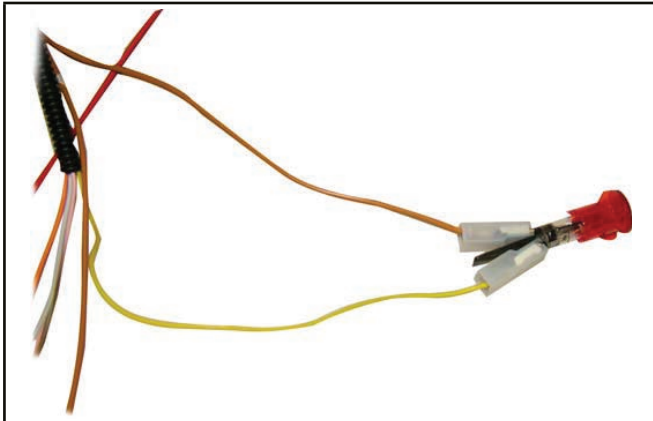
CAB INTERIOR



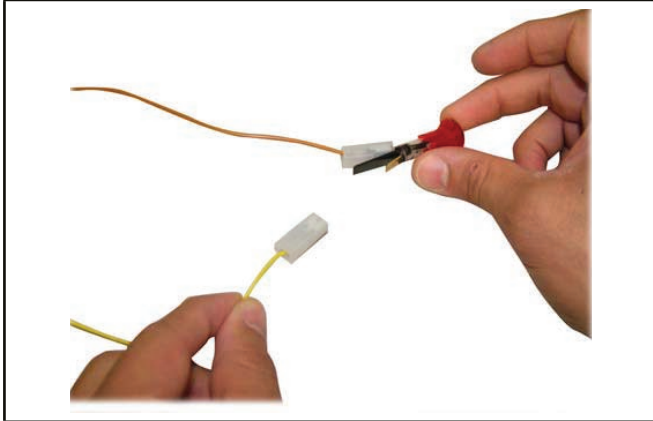
Power Take Off Range

All dimensions are given in mm unless otherwise stated. Technical Specifications are subject to change without notice.

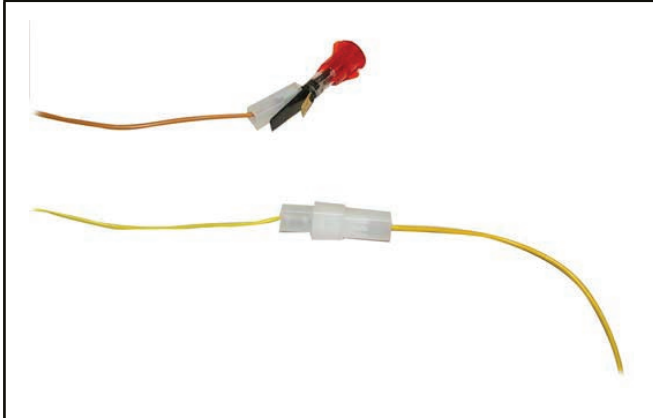
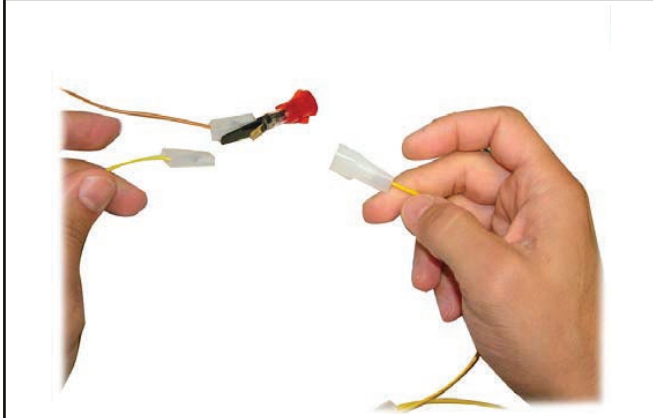
PTO Wiring Kit - SA3050



Find the yellow wire of MAG-TRONIC harness

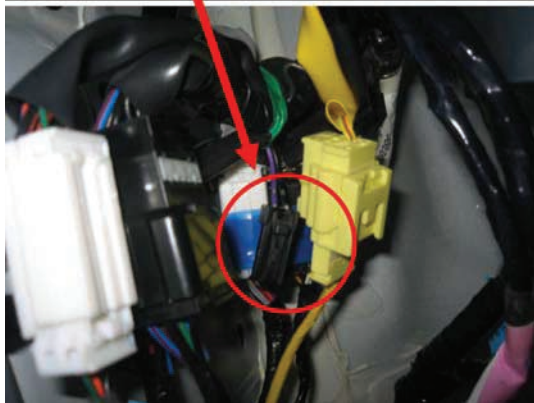


Disconnect it from the lamp and connect to the yellow wire of the adaptor kit.



PTO Wiring Kit - SA3050

ASSEMBLY OF POWER PACK FEEDBACK CONNECTOR



Locate, under the dashboard (looking from below left in relation to the steering column), the two-way black connector with two black and violet/white wires.
On some 2012 vehicles, violet/white wire can be black/violet.

Connect the wire yellow leading from the Kit adapter to the violet/white wire.
N.B. Make sure that connections are fitted properly. If necessary secure the wires with plastic clips.

All dimensions are given in mm unless otherwise stated. Technical Specifications are subject to change without notice.

PTO Wiring Kit - SA3050**PTO engaging procedure:**

- Bring the gear lever to the N (neutral) position.
 - Apply the handbrake.
 - Release the accelerator pedal completely.
 - Press and release the original Isuzu PTO engaging pushbutton.
 - The buzzer of the original Isuzu system starts to emit a pulsed beep, in this way indicating that the system can accept engaging of the PTO: N.B. 10 seconds are given for engaging the PTO; after 10 seconds the system returns to normal and the procedure has to be repeated.
 - Give the PTO engaging command.
 - As soon as the PTO is engaged, this is communicated to the electronic power pack of the vehicle which automatically brings the engine revs to the preset value and transmits the torque to the PTO. During the whole time the PTO is engaged and under torque, the original Isuzu buzzer emits a pulsed beep with frequency greater than that of the engaging phase.
 - Warning: the PTO is fitted on the countershaft of the gearbox, therefore if the PTO shaft turns (multidisks clutch engaged when the truck is either with neutral or drive gear selected. Consequently, the torque is permanently transmitted to the countershaft and PTO, especially when the truck is on the move. As standard, the Smoother gearbox management system is set in such a way to allow the gears selection when the PTO function is ON to permit move at low speed transmitting torque to the PTO only.
- In this mode it is possible to select the following gears only: 1 2 NR.

PTO disengaging procedure:

- With the PTO engaged, press and release the original Isuzu PTO engaging pushbutton.
- The buzzer of the original Isuzu system starts to emit a pulsed beep, indicating in this way that the system can accept disengaging of the PTO. N.B. 5 seconds are given for disengaging the PTO; after 5 seconds the system returns to normal and the procedure has to be repeated.
- When the PTO engaging indicator detects the condition of disengaging and communicates this to the power pack of the vehicle correctly, the system removes torque from the PTO, returns the revs to the engine minimum and emits a further 2 beeps; the operator can then move the vehicle freely.

Problems and trouble-shooting:**PTO engagement not possible:**

Please check that basic operations required for PTO engagement on Isuzu Smoother have been fulfilled, i.e. parking brake applied, accelerator pedal fully released.

By switching on the original Isuzu PTO button can you hear the acoustic beeper?

If NO, the potential problem should be correlated to the Isuzu truck. Please check the following:

- 1) Check that the manual speed governor (if present) is fully released. If it is not so the CPU of the Isuzu gearbox inhibits the PTO engagement operation.
- 2) Please check with the ISUZU dealer that gearbox CPU is set correctly.

If YES, the potential problem might be correlated either to faulty installation, defective OMFB parts or to the vehicle.

Please check the installation has been made according to this instruction.

All dimensions are given in mm unless otherwise stated. Technical Specifications are subject to change without notice.