

MOUNTING INSTRUCTIONS

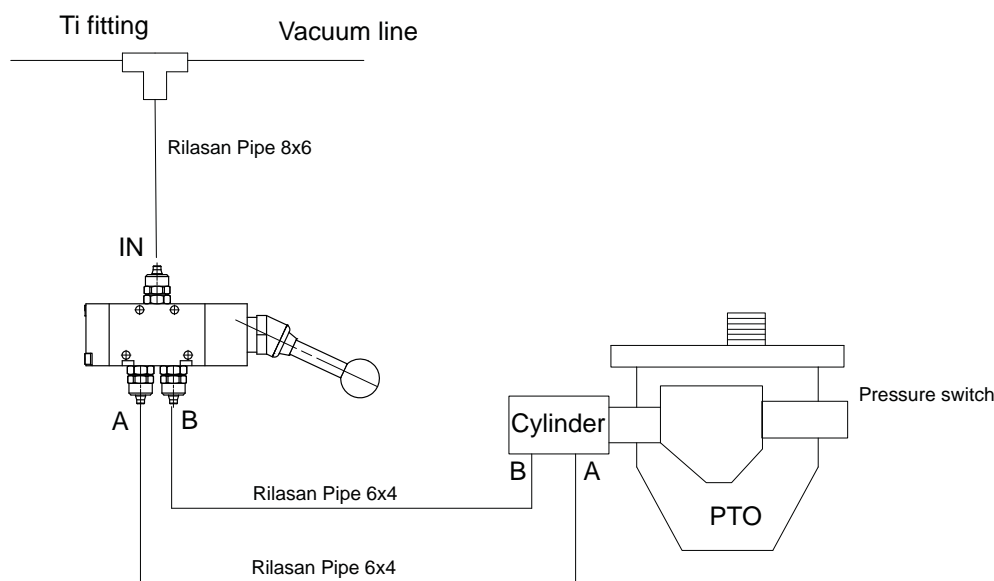
100-020-00209
100-020-00218

VACUUM PTO

Plan and working system:

Pneumatic plan:

The pneumatic system is made by taking out the depression from the pipe of the servo-brake on the truck through a T-connector (each vehicle brand requires a different one) and to deliver it to a P port of a manual valve assembly. The ports A and B of the manual valves are connected to the PTO cylinder by Rilsan pipes.



How it works:

In neutral position one of the two chambers of the PTO cylinder is in communication with the vacuum system. This allows the PTO as well as the small safety spring to keep the disengagement position.

By the manual switch in the cab together with the clutch pedal pressed you switch the vacuum from chamber A to B of the PTO cylinder allowing the PTO to be engaged. Thanks to the pressure signal switch the lamp in the cab is ON that means the PTO is engaged.

Now, by activating the manual switch in the cab together with the clutch pedal pressed you restore the neutral position.

FITTING INSTRUCTIONS:

- 1) Fit the PTO on the gearbox.
- 2) Search for the pipe of the servo-brake where you can fit the T-connector. (Please refer to the attached chart and pictures according to the different type of vehicles).
- 3) Cut the pipe and fit the T-connector.
- 4) Search for the best position where you can fit the manual valve in the cabin.
- 5) By using the Rilsan pipe 8x6 connect the T-connector to the IN-connector on the manual valve (see the pneumatic plan scheme).
- 6) By using the Rilsan pipe 8x6 connect the A and B ports of the valve to the A and B ports on the PTO cylinder (see the pneumatic plan scheme).
- 7) Fit the control box in the cab.
- 8) Fasten the electric wiring watching the connections. The connectors can be fitted on both coils independently (see electric plan scheme).

USE:**PTO engagement:**

- 1) Activate the manual valve.
- 2) Press the clutch pedal and keep it pressed for at least 3sec.
- 3) Slowly release the clutch pedal (check that button light and the PTO engaged signal lamp are ON).

PTO engagement:

- 1) Press the clutch pedal and keep it pressed for at least 3sec.
- 2) Turn off the manual valve.
- 3) Slowly release the clutch pedal (check that button light and the PTO engaged signal lamp are ON).

MANTENINANCE:

Regularly check the different connections are not loose and the pipes are in good condition.

Codice fascicolo: 997-001-01444

Data: Martedì 29 settembre 2020

Codice foglio: 997-001-01462 Rev: AA

VEHICLE BRANDS:*IVECO DAILY:*

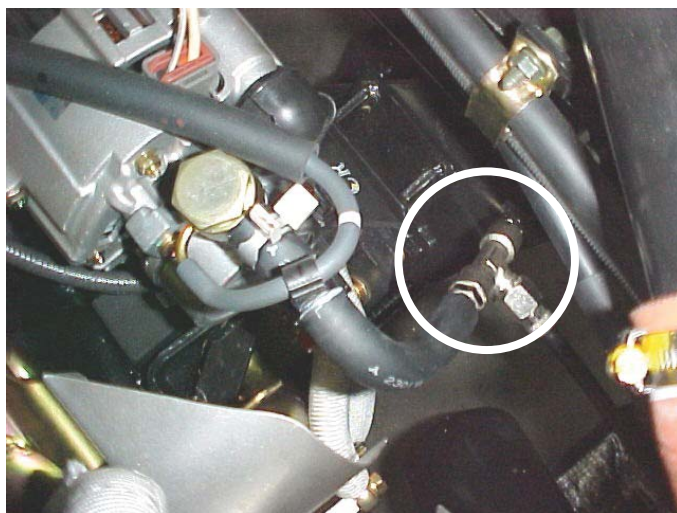
Vacuum location: engine – close to the battery.

Connection: at the entrance of the servo-brake membrane close to the battery.

*ISUZU:*

Vacuum location: RH side of the engine on the alternator.

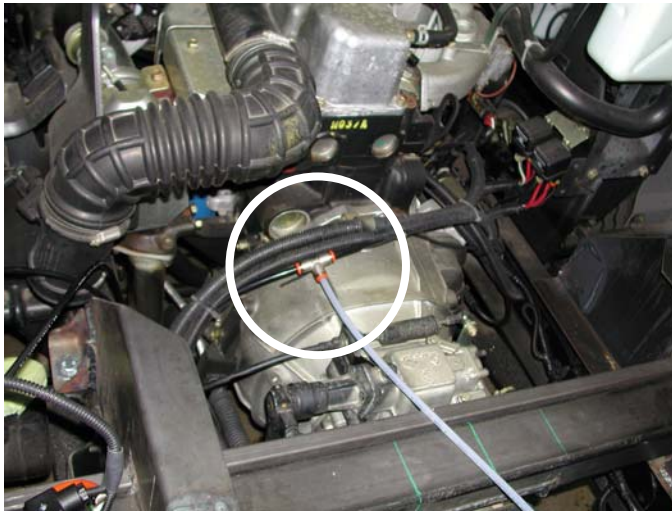
Connection: close to the vacuum pump.



NISSAN CABSTAR:

Vacuum location: RH side of the engine.

Connection: from the Rilsan 8x6 pipe on the gearbox.

*MITSUBISHI CANTER*

Vacuum location: LH side of the engine.

Connection: LH side of the engine near the roll-bar.



WARNING! PTO SWITCH must be used as simple tools for lightening the "PTO ENGAGED" LED located in the cabin. OMFB Spa Hc is not responsible for any damage or problems caused by different usage that previously specified.