

OPERATION & SETUP INSTRUCTIONS

Operation

When the unit is powered up it will initially be in SUSPEND mode. No other commands will function unless the unit is taken out of SUSPEND mode by pressing the SUSPEND button. The barrel will then be STOPPED



MIXING

The mixing speed can be increased up to maximum by pressing the MIX button and can be decreased back to STOPPED by pressing the DISCHARGE button. There are 4 mixing speeds (Increments 2 at a time). The SUSPEND button may be pressed at any time to stop the barrel.



DISCHARGING

The discharging speed can be increased up to maximum by pressing the DISCHARGE button and can be decreased back to STOPPED by pressing the MIX button. There are 8 discharge speeds. The SUSPEND button may be pressed at any time to stop the barrel.



ENGINE SPEED

The engine speed can be controlled automatically or manually. In the manual mode 3 levels of engine speed can be selected by pressing the ENGINE button, which will cycle through ENG 1, ENG 2 ENG 3.

In the automatic mode the engine speed is determined by the barrel speed. The engine speed will automatically increase as the barrel speed is increased. ENG AUTO is displayed on the bottom right section of the screen. The ENGINE button is not used when in automatic mode.

See SETUP for information on changing the automatic or manual option.

In trucks with automatic transmissions the engine speed will not increase unless the transmission is in neutral.

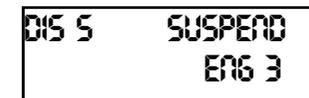


SUSPEND

The SUSPEND button is used to toggle in and out of SUSPEND mode.

When in SUSPEND mode all other buttons except the Transit Rotation (▲ and ▼) and MIX buttons will not function.

Pressing the SUSPEND button while discharging or mixing will stop the barrel rotating and SUSPEND will be displayed in the top right section of the display. If the SUSPEND button is pressed again the barrel will start rotating again at the same speed. Pressing the MIX button while in suspend mode will cancel a discharge operation, the barrel will then be in MIX 2 when SUSPEND is again pressed



TRANSIT

This button places the system in transit mode. When in transit mode the barrel will be rotated at the transit speed (See Setup to change the transit speed) and TRANSIT will be displayed in the center of the display.

The controller can also be set to count a number of barrel rotations at mix speed before automatically changing to transit mode.

The number of barrel rotations that are required before entering transit mode can be set while in SUSPEND mode using the ▲ and ▼ buttons.



STOPPED SUSPEND
ROTATIONS 15

To start press the SUSPEND button then the TRANSIT button. The barrel will rotate at mix speed 8 and the rotations are counted down on the controller until the set number of rotations are completed. The controller will then switch to transit speed.

(The accuracy of the Barrel Count should be regularly checked., see **Setup** for the barrel count calibration procedure .)

PENDANT

This button activates the pendant and the optional wireless remote (when fitted). When pendant is displayed on lower left of display , only pendant operates , if remote is displayed then both pendant and remote are activated.



STOPPED
PENDANT ENG AUTO

Setup

The setup made is used to:

- Change between automatic and manual engine control.
- Set the transit speed.
- Calibrate the barrel count down function.

To enter setup mode

- Turn the controller off.
- Holding down the SUSPEND button turn the controller back on until SETUP appears on the display.

Press the TRANSIT button to continue. The following screen will then be displayed.

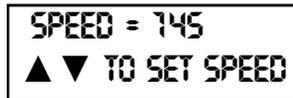


ENGINE = AUTO.
PRESS ▲ TO ALTER

To change between automatic and manual engine control press the ▲ button.

When the engine auto/man is on the desired setting, press the TRANSIT button to continue.

The following screen will be displayed.



SPEED = 745
▲ ▼ TO SET SPEED

The barrel will start rotating. To change the speed at which the barrel rotates during transit, press the ▲ and ▼ buttons.

Press the TRANSIT button when done.



YES = ▲
NO = TRANSIT

To calibrate the barrel counter press ▲ (See BARREL COUNT CALLIBRATION on the next page), otherwise press TRANSIT.

Press SUSPEND to exit setup mode or TRANSIT to go through again

BARREL COUNT CALIBRATION

Identify a point on the barrel that can be seen while holding the pendant and that is clearly identifiable when it is rotating. Alternatively place a piece of colored tape on the side of the barrel.

During the calibration the barrel will start rotating and the suspend button on the pendant should be pressed each time the barrel goes around. This will take approximately 20 revolutions at which point the barrel will stop rotating.

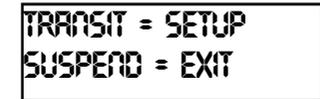
Having said YES to the barrel count calibration on the previous page, the display will show



PRESS PENDANT
SUSPEND BUTTON

At this point leave the cab to observe the barrel.

Press the SUSPEND button on the pendant each time the barrel goes around until it stops. The counter will then be calibrated. The display will show



TRANSIT = SETUP
SUSPEND = EXIT

Press SUSPEND to exit setup mode or TRANSIT to go through again.

Cautions

- Unit should be disconnected during any welding operations on the vehicle.
- This unit requires 12 volt (-ve earth) power supply. Incorrect voltage or polarity will damage the unit.

Problems

Contact the manufacture

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