

AUX BOX TRANSITION INPUT INPUT BY: WIRE 123

APPLICABLE TRANSMISSIONS: 3000 Product Family, 4000 Product Family

DESCRIPTION: This function, which is enabled when switches are closed to complete the circuit between input wire 123 and Switched Power, and the following specific set of conditions are met:

- transmission must be in Neutral
- output speed is below 100 rpm
- throttle position is low (less than 15%)

This implementation of the function is commonly used in conjunction with [Input Function CE2: Direct Hold Input – Soft Start](#), to assist in transition of the transfer case by momentarily stopping the rotation of the output shaft.

The function remains enabled until the circuit between wire 123 and switched power is opened.

USES: For split-shaft PTO applications in non-emergency vehicles

CUSTOMER MODIFIABLE CONSTANTS: None

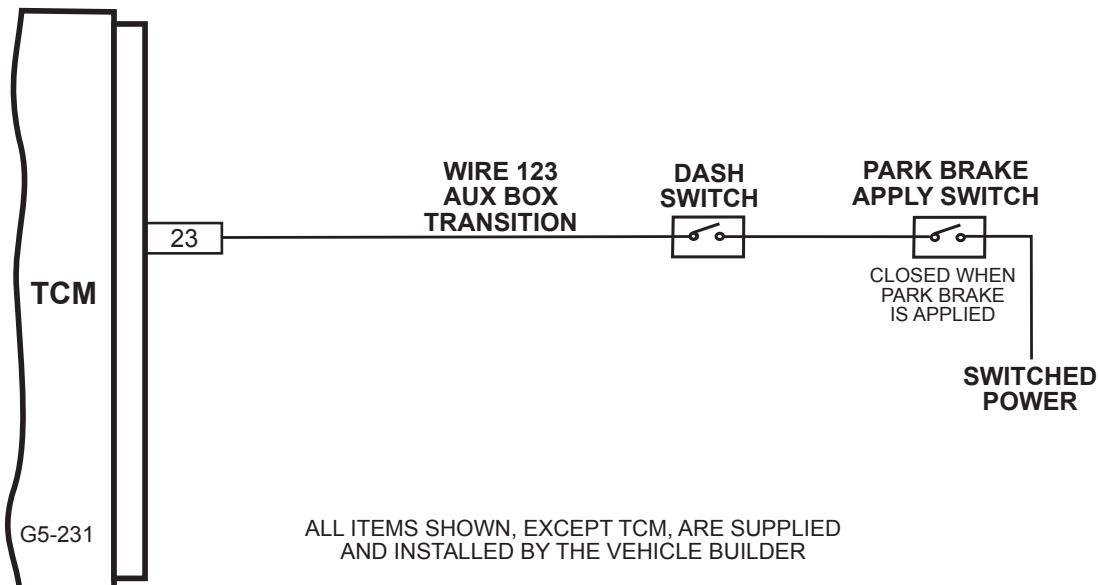
VOCATIONS: Sewer/Septic Vacuums, Generator Sets

FUNCTION RESPONSE TO TCM POWER INTERRUPTION

(power-off, followed by power restored):

Power off: No change

Power restored: No change



WARNING! This schematic shows the intended use of the specified controls feature which has been validated in the configuration shown. Any miswiring or use of this feature which differs from that shown could result in damage to equipment or property, serious personal injury, or death. **Allison Transmission is not liable for consequences associated with miswiring or unintended use of this feature.**