

# International® T14 (2023)

*Overview: Transfer Case and  
Transfer case PTO Parameters*

# TABLE OF CONTENTS

General Overview: Transfer Case and Transfer case PTO.....	1
Description and Operation.....	1
Programmable Parameters.....	1
Frequently Asked Questions .....	3
Definitions/Acronyms .....	3

## General Overview: Transfer Case and Transfer case PTO

This feature provides programming for transfer case and Transfer Case PTO support.

This document will address the unique transfer case programming for the T14 transmission.

## Description and Operation

*NOTE: Refer to the vehicle operation and maintenance manual, as well as the T14 transmission operation and maintenance manual, for additional information on operation and indications.*

The Transfer Case feature provides TCM programming allowing the owner/operator to select the customer programmable parameters for the desired vehicle configuration.

Look at the configuration in DLB to determine which connectors and pins are configured as inputs.

Body controller features must be programmed correctly to support Transfer case and Transfer Case PTO functionality.

## Programmable Parameters

“Customer Programmable” parameters can be adjusted differently than the production assembly plant setting to meet customer’s needs. If parameter is indicated as non - customer programmable, the parameter setting is preset from the factory and cannot be changed without dealer authorization.

Parameter Name	Description	Possible Values	Customer Prgm?	Recommended Setting
TCM Transfer Case Configuration (TCC) (D54C 000)	Transfer case configuration	1-Without 2-With transfer case	Engineering	
TCM Transfer Case Ratio High (TCR) (D08A 000)	Transfer case ratios HIGH		Engineering	
TCM Transfer Case Ratio Low (TCR) (D08A 001)	Transfer case ratios LOW		Engineering	
ECM Transfer Case Gear Ratio High (1009 000)	Transfer case gear ratio 1		Engineering	
ECM Transfer Case Gear Ratio Low (1009 001)	Transfer case gear ratio 2		Engineering	
ECM Engine Speed Limiter with Transfer Case PTO (MAWD) (1055 000)	Constant engine speed limiter for transfer case PTO. Applied if a split shaft PTO is engaged. Engagement of each PTO is reported to the ECM with a CAN message, SPN 3643s for the individual PTOs. Tcase PTO is installed on the AWD Tcase and its engagement gets reported to the ECM with SPN 3463 from the BCM.		Dealer	
PIM Transfer Case Input Mode Select (TCIMS) (B10F 01E)	Transfer Case Input Mode Select	0: Driveline Engaged 1: Split Shaft Engaged	Fleet	

Parameter Name	Description	Possible Values	Customer Prgm?	Recommended Setting
BCM PROG, TRANSFER CASE PTO 597254	Configures how the BCM inputs are configured to support Transfer case PTO operation. Must be configured with other transfer case 597 features.	Disabled Enabled	Fleet	
BCM PROG, TRANSFER CASE 2-SPD With Neutral Gear, for 4x4 597266	BCM PROG, TRANSFER CASE 2-SPD With Neutral Gear, for 4x4	Disabled Enabled	Fleet	
BCM PROG, TRANSFER CASE 2-SPD with Neutral Gear, for 6x6 597334	BCM PROG, TRANSFER CASE 2-SPD with Neutral Gear, for 6x6	Disabled Enabled	Fleet	

## Frequently Asked Questions

NA

## Definitions/Acronyms

Acronym	Definition
BCM	Body Control Module
PIM	Powertrain Interface Module
TC	Transfer Case
AMT	Automated Manual Transmission
PTO	Power Take Off