



Solution

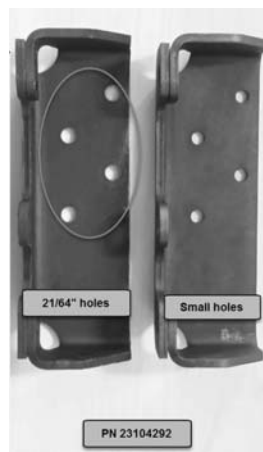
Title (customer effect)	Automated Manual Transmission (AMT) Power Take-Off (PTO) Solenoid Bracket Modification For Dual PTO Solenoids
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Cause	On 14 August 2017 a new PTO solenoid for the AMT has been released to address issues with breakage when mounting dual solenoids. The dual PTO solenoid set up cannot be mounted on this new bracket without modifications. This is being corrected. Single PTO mounting is not affected.
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Solution	The four mounting holes in the bracket are too far apart to allow two solenoids to be bolted to the bracket properly. Single PTO solenoid installations are ok. If a unit that is built with bracket Part Number 23104292 and a single PTO solenoid setup is modified to be a dual PTO setup, the mounting holes in the bracket must be drilled out to allow the bolts to line up.
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The new bracket, Part Number 23220187, will have the hole locations corrected and will not require modification to mount dual PTO solenoids.

Drill the 4 mounting holes out to 21/64" to allow for bolt alignment. See the image below.



There are not any brackets with part number 23104292 available in the aftermarket currently. A new bracket part number will be made available when the corrections of the mounting hole lay out is corrected. Field failures of the older bracket should be repaired using the bracket that is available currently until the newer bracket is available in the aftermarket.

Units that come from the factory with a dual PTO set up will already have this modification done to them.

Units that were not built with PTO options may receive the older bracket in the installation kits.

Solution visibility	Dealer distribution
Support Area	CBR
Function(s)/component(s) affected	
Function affected	other bracket , PTO
Function Group	
Function Group	481 power-take off (gearbox)
Customer effect	
Lights/Messages on information display	 PTO
Conditions	
Vehicle operating mode	with a PTO
Administration	
Author	UT9268H
Last modified by	RU4469V
Creation date	01-09-2017 21:09
Date of last update	28-09-2017 18:09
Review date	01-09-2018 00:09
Status	Published
NA_Reviewer	ut9268h
NA_Author_Group	GTT
Variantes Kola	
T4X - PTO TRANSM. MOUNTED	PTRD-F - REAR PTO TRANS., DOUBLE, 1 SAE FLANGE , PTRD-D - REAR PTO TRANS., DOUBLE, 2 DIN-CONN.PUMP , PTRD-D2 - REAR PTO TRANS., DOUBLE, 1 DIN-CONN.PUMP + 2 FLANGES
NA_MACK_Vehicle_Range	
NA_MACK_Vehicle_Range	CHU , CXU , GU , M746 , M748 , Granite
NA_VOLVO_Vehicle_Range	
NA_VOLVO_Vehicle_Range	VNL , VNM , VHD , VAH
Engine family	
Engine family	11L Engine , 13L Engine , MP7 , MP8
Emission Standard	
Emission Standard	OBD2017 , US17 GHG , US16