Service Bulletin

Bulletin No.: 22-NA-225
Date: October, 2023

INFORMATION

Subject: **Information on Red Fluid Leak from Center of Vehicle Located by the Rear of the Transmission or Transfer Case Area**

Brand:	Model:	Model Year:		VIN:		Engine:	Transmission:
		from	to	from	to		
Cadillac	Escalade	2015	2024				
Chevrolet	Colorado	2015	2024				
	Express						
	Silverado 1500	2015	2018				
	Silverado 1500 (New Model)	2019	2019				
	Silverado LD						
	Silverado 1500 - LTD (RPO J21, VIN Digit 5 = W/Y)	2022	2022				
	Silverado 1500 - New (RPO J22, VIN Digit 5 = A)						
	Silverado 1500	2023	2024				
	Silverado 2500HD/3500HD	2020					
	Suburban	2015					
	Tahoe						
GMC	Canyon	2015	2024				
	Savanna						
	Sierra 1500	2014	2018				
	Sierra 1500 (New Model)	2019	2019				
	Sierra Limited						
	Sierra 1500	2020	2021				
	Sierra 1500 - Limited (RPO J21, VIN Digit 5 = 8/9)	2022	2022				
	Sierra 1500 - New (RPO J22, VIN Digit 5 = H/U)						
	Sierra 1500	2023	2024				
	Sierra 2500HD/3500HD	2015					
	Yukon Models						

Involved Region or Country	North America, Middle East, Europe
Additional Options (RPOs)	F48: CHASSIS DRIVE LINE-ALL WHEEL DRIVE (AWD)/FOUR WHEEL DRIVE(4WD), DRIVER SELECT
Condition	Some customers may comment that a red fluid is seen in the middle of the vehicle. Some customers may also comment that a red fluid is seen coming from the rear of the transmission/transfer case area.
Information	**Important:** Utilizing mineral spirits or equivalent, clean the area of concern and inspect to verify if the leak is from the welch plug or from the transmission/transfer case output seal. Verify the ATF leak is either from the Transfer case/transmission rear output seal leak or the prop shaft slip yoke welch plug leak:  6186773 1. Visually observe the output seal and boot area for ATF leak.  6186771

	2. If the seal/boot area appear to be dry, inspect the welch plug area for ATF. – If the welch plug is the source of the leak. Go to step 4. – If the output seal is the source of the leak, replace the output seal. Refer to *Propeller Shaft Front Slip Yoke Replacement* in SI and no more work is required. 3. If both the seal/boot and the welch plug are wet with ATF, therefore unclear, dry the area with a soft rag and do a series of short drives (around the block) to initiate the leak. Go back to step 1. 4. If it has been determined that the welch plug is leaking, replace the propeller shaft front slip yoke. *Propeller Shaft Front Slip Yoke Replacement in SI.*

Important: Service agents must comply with all International, Federal, State, Provincial, and/or Local laws applicable to the activities it performs under this bulletin, including but not limited to handling, deploying, preparing, classifying, packaging, marking, labeling, and shipping dangerous goods. In the event of a conflict between the procedures set forth in this bulletin and the laws that apply to your dealership, you must follow those applicable laws.

Additional Information

Potentially affected vehicles that could have this condition are:

- MST (Colorado/Canyon) – all except 2wd with 8 speed transmission
- G-van – all except 8 speed transmission
- T1 LD – all except 2wd with 8 speed transmission
- T1 SUV/T1 HD – all 8 speed transmissions do not use slip yokes with welch plugs

A convoluted boot is used to protect the splines from the environment.

Version	2
Modified	Released November 09, 2022 Revised October 16, 2023 - Updated Subject, Added 2024 to Model Years, Added Important Statement in Information section, Added Additional Keyword section.

Addition Keywords: T-Case, transfer case, Slip Yoke, welch plug leak, Transmission leak, Fluid Leak