

REFERENCE:	Nova Bus Manuals
SECTION:	11: Exhaust system
RS N°:	MQR 7621-1804
EFFECTIVE IN PROD.:	LB40 (2019MA)

APPLICATION DEADLINE: 2020DE15  
CLAIM REFERENCE NUMBER: WB-4630

SUBJECT:	DPF active regeneration
JUSTIFICATION:	When Fast idle is active the engine parameter prevents the engine from doing an active regeneration.

LEVEL	DESCRIPTION	DIRECT CHARGES		TIME
		LABOUR	MATERIAL	
1	Change engine parameter <b>ACTIVE REGEN IN PTO AND REMOTE MODES</b> to <b>ENABLE</b> .	Nova Bus	Nova Bus	30 min
2	–	–	–	–

#### MATERIAL

QTY	PART N°	REV.	DESCRIPTION	REPLACES PART N°
<b>LEVEL 1</b>				
–	–	–	–	–
<b>LEVEL 2</b>				
–	–	–	–	–

#### DISPOSAL OF PARTS

REMOVED PARTS ARE:	DISCARDED	RETAINED	
	–	–	

#### REVISION HISTORY

REV.	DATE	CHANGE DESCRIPTION	WRITTEN BY
NR	2019DE05	Initial release	Luc Carignan

CLIENT	ORDER	ROAD NUMBER		VIN (2NVV/4RKY...)		QTY
		FROM	TO	FROM	TO	
Academy Busline - New Jersey	LA13	—	—	L82J4G9775611	L82J5G9775620	10
Airdrie Transit - Alberta	LC17	3725	3726	L82J3K3751850	L82J5K3751851	2
Airdrie Transit Alberta	LB10	3718	3718	L82J1J9776464	L82J1J9776464	1
Ames Transportation Agency - Iowa	L904	6101	6104	S92J1G9775221	S92J7G9775224	4
Austin - CMTA - Texas	LA17	5101	5107	S92J2H9775763	S92J3H9775769	7
Austin - CMTA - Texas	LA18	5151	5158	L82J0H9775770	L82J3H9775777	8
Barrie Ontario - Metrolinx	L878	1501	1504	L82JXF3001691	L82J6F3001719	4
Barrie Ontario - Metrolinx	L955	1601	1604	L82J7G9775408	L82J9G9775412	4
Barrie Ontario - Metrolinx	LA31	1701	1705	L82J0H9775817	L82J2H9775821	5
Barrie Ontario - Metrolinx	LA49	1706	1713	L82J7H3750855	L82J4H3750862	8
BC Transit - BCT - British Columbia	L891	—	—	L82J5F3001565	L82J2F3001569	5
BC Transit - BCT - British Columbia	LA16	6000	6029	L82J3H9776217	L82J4H9776307	30
Bow Valley Transit - Alberta	LB86	N/A	N/A	L82J8K9777001	L82J1K9777003	3
Bow Valley Transit - Alberta	L993	-	-	L82JXG3750329	L82J6G3750330	2
Bow Valley Transit - Alberta	LA26	—	—	L82J4H3750473	L82J4H3750473	1
Bow Valley Transit - Alberta	LA28	—	—	L82J6H9776308	L82J4H9776310	3
Brampton - Ontario	L941	1614	1623	L82J1G3750123	L82J2G3750132	10
Brampton - Ontario	L942	1601	1613	L82J6G3750070	L82J4G3750083	13
Brampton - Ontario	LA20	1707	1713	L82J5H3750532	L82J6H3750538	7
Brampton - Ontario	LA21	1701	1706	L82J8H3750539	L82J1H3750544	6
Brampton - Ontario	LB01	1801	1817	L82J3H3750948	L82J6J3750982	17
Brampton - Ontario	LB02	1818	1823	L82J3J3751121	L82J2J3751126	6
Brampton - Ontario	LC23	1901	1907	L82J3K3751878	L82J9K3751884	7
Brampton - Ontario	LC54	1908	1916	L82J0K3751885	L82JXK3751893	9
Brandon - Manitoba	L899	67	70	L82J2G3750180	L82J8G3750183	4
Brantford - Ontario	L928	10151	10153	L82J7F3001793	L82J0F3001795	3
Brantford - Ontario	LA03	10161	10612	L82J0G3750369	L82J7G3750370	2
Brantford - Ontario	LB64	101808	101810	L82J2J3751465	L82J6J3751467	3
Burlington - Ontario	L887	7017-15	7025-15	L82J7F3001681	L82J8F3001723	9
Burlington - Ontario	LB35	7033-18	7036-18	L82J9J3751432	L82J0J3751433	2
Cape Breton Nova Scotia	LA12	7092	7093	L82J8H3750587	L82JXH3750588	2
Cape Breton Nova Scotia	LB92	7100	7101	L82J3K3751766	L82J5K3751767	2
Capital Area Rural Transportation System (CARTS) Texas	L980	—	—	L82J1G9775565	L82J9G9775569	3
Chicago Transit Authority - CTA - Illinois	L850	8150	8199	L82J5F4500924	L82J6G9775013	50
Chicago Transit Authority - CTA - Illinois	L943	8200	8324	L82JXG9775225	L82J3G9775406	125
Chicago Transit Authority - CTA - Illinois	LB58	8325	8349	L82J7J9776906	L82J8J9776946	25
CMBC (TransLink) - British Columbia	LB31	18301	18404	L82L8J3751245	L82L3J3751444	104
CMBC (TransLink) - British Columbia	LB32	18451	18473	L82J5J9776726	L82J4J9776748	23
Cold Lake	LA99	5013	5014	L82J7J3751302	L82J9J3751303	2
Cornwall - Ontario	LB55	—	—	L82J8J3751468	L82J8J3751468	1
Cornwall Ontario - Metrolinx	L935	—	—	L82J3F3001838	L82J5F3001839	2
Cornwall Ontario - Metrolinx	LA53	—	—	L82J2H3750892	L82J6H3750894	3
Demo- Altoona HEV BAE (REF LA95)	LB38	—	—	L82L7H3750940	L82L7H3750940	1
Demo BAE Nova	LA94	—	—	L82L3H3750806	L82L3H3750806	1

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Duke University - North Carolina	L938	-	-	L82L8G9775399	L82L0G9775400	2
Duke University - North Carolina	LB08	—	—	L82L9J3751562	L82L2J3751578	3
Duke University - North Carolina	LA38	—	—	L82L9H9775994	L82L9H9775994	1
Duke University - North Carolina	LA39	—	—	S92LXH9775995	S92LXH9775995	1
Durham Region Transit - Ontario	LB36	6100	6112	L82J2J3751417	L82J7J3751431	13
Durham Region Transit Ontario - Metrolinx	L888	8554	8559	L82J2F3001703	L82J1F3001708	6
Durham Region Transit Ontario - Metrolinx	L996	8560	8563	L82J1G3750414	L82J7G3750417	4
Durham Region Transit Ontario - Metrolinx	LA19	8564	8565	L82J9G3750418	L82J0G3750419	2
Durham Region Transit Ontario - Metrolinx	LA50	8566	8578	L82JXH3750901	L82J1H3750916	13
Durham Region Transit Ontario - Metrolinx	LB11	8579	8589	L82J2H9776354	L82J0H9776367	11
Durham Region Transit Ontario - Metrolinx	LB60	7100	7103	L82J5J3751539	L82J5J3751542	4
Fredericton - New Brunswick	L968	8161	8162	L82J1G3750218	L82J3G3750219	2
Fredericton - New Brunswick	LA15	8171	8174	L82J1H3750589	L82J1H3750592	4
Fredericton - New Brunswick	LA33	8181	8184	L82J6H3750944	L82J1H3750947	4
Guelph - Ontario	L927	244	247	L82J1F3001756	L82J9F3001763	4
Guelph - Ontario	L985	248	251	L82J7G3750255	L82J2G3750258	4
Guelph - Ontario	LA54	252	275	L82J1H3750849	L82J0H3750891	24
Halifax - Nova Scotia	LA11	1208	1236	L82J1G9775579	L82J4G9775608	29
Halifax - Nova Scotia	LA14	1237	1237	L82J1G9775596	L82J1G9775596	1
Halifax - Nova Scotia	LA27	1238	1276	L82J5H9775778	L82J9H9775816	39
Halifax - Nova Scotia	LB61	1277	1284	L82J9J9776664	L82J6J9776671	8
Halifax - Nova Scotia	LB70	1285	1299	L82J4J9776829	L82J9J9776843	15
Houston - Texas	L951	1915	1915	L82J0G9775203	L82J0G9775203	1
Houston - Texas	L952	1580	1580	S92J5G9775318	S92J5G9775318	1
Houston - Texas	L981	1916	1994	L82J8G9775434	L82J4G9775513	79
Houston - Texas	L982	1581	1582	S92J5G9775514	S92J7G9775515	2
Houston - Texas	L982	1583	1583	S92J9G9775516	S92J9G9775516	1
Houston - Texas	L982	1584	1586	S92J2G9775518	S92J4G9775522	3
Houston - Texas	L982	1587	1587	S92J8G9775524	S92J8G9775524	1
Houston - Texas	L982	1588	1599	S92J1G9775526	S92J5G9775545	12
Kingston - Ontario	LB34	1821	1841	L82J3J3751412	L82J0J3751416	5
Kingston Ontario - Metrolinx	L880	1502	1502	L82JXF3001786	L82JXF3001786	1
Kingston Ontario - Metrolinx	L889	1687	1689	L82J1G3750252	L82J5G3750254	3
Kingston Ontario - Metrolinx	L925	1504	1510	L82J5F3001808	L82J5F3001811	4
Kingston Ontario - Metrolinx	L954	1683	1686	L82J4G3750259	L82J4G3750262	4
Kingston Ontario - Metrolinx	LA59	1803	1818	L82JXH3750932	L82J4H3750943	11
Kingston Ontario - Metrolinx	LA60	1825	1837	L82J7H3750922	L82J8H3750931	6
Kingston Ontario - Metrolinx	LB68	1901	1901	L82J1K3751913	L82J1K3751913	1
Kingston Ontario - Metrolinx	LB69	1920	1951	L82J3K3751914	L82J0K3751918	5
Lethbridge - Alberta	L997	181	186	L82J5G9775570	L82JXG9775578	6
Lethbridge - Alberta	LA91	189	192	L82J3J9776580	L82J9J9776583	4
Lethbridge - Alberta	LB95	193	198	L82J1K3751894	L82J0K3751899	6
Milton - Ontario	LB33	1804	1804	L82J7J3751543	L82J7J3751543	1
Milton - Ontario - Metrolinx	L884	1701	1702	L82J0G3750338	L82J2G3750339	2
Milton - Ontario - Metrolinx	LA51	1801	1803	L82J3H3750917	L82J7H3750919	3

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Mississauga Ontario	LA64	1730	1766	L82J2H9776077	L82J7H9776253	37
Mississauga Ontario	LA65	1770	1799	S92J8H9776254	S92J2H9776315	30
Mississauga Ontario	LB12	1801	1812	L82J9J9776714	L82J3J9776725	12
Moncton (Codiac) - New Brunswick	LA06	—	—	L82J3G9775552	L82JXG9775564	9
Moncton (Codiac) - New Brunswick	LA42	—	—	L82J8H9776066	L82J0H9776076	11
Moncton (Codiac) - New Brunswick	LA58	—	—	L82J2J9776389	L82J2J9776389	1
Moncton (Codiac) - New Brunswick	LB84	N/A	N/A	L82J3K9777004	L82J3K9777004	1
NFTA - Buffalo, New York	LA30	1717	1724	L82J8H9775838	L82J5H9775845	8
NFTA - Buffalo, New York	LB21	1817	1824	L82J9J9776518	L82J8J9776526	8
Niagara Falls - Ontario	L987	1601	1604	L82J6G3750344	L82J1G3750347	4
Niagara Falls Ontario - Metrolinx	LA97	1805	1808	L82J0J3750993	L82J6J3750996	4
Niagara Falls Ontario - Metrolinx	LA98	1809	1810	S92J7J3751003	S92J9J3751004	2
Niagara Falls Ontario - Metrolinx	LB13	1811	1811	L82J8J3750997	L82J8J3750997	1
Niagara Parks Commission - Ontario	L656	—	—	L82U0C3000653	L82U2C3000654	2
Niagara Parks Commission - Ontario	L685	—	—	S92U9C3000644	S92U8C3000652	9
North Bay - Ontario	L895	784	785	L82J7F3001678	L82J9F3001679	2
North Bay - Ontario	L979	786	787	L82J4G3750312	L82J6G3750313	2
North Bay - Ontario	LB48	788	790	L82J7J3751395	L82J0J3751397	3
Oakville - Ontario	LB93	—	—	L82J3K3751749	L82J5K3751753	5
Oakville Ontario - Metrolinx	L881	—	—	L82J2F3001717	L82J8F3001740	5
Oakville Ontario - Metrolinx	L945	-	-	L82J9G3750211	L82JXG3750217	7
Oakville Ontario - Metrolinx	LA55	—	—	L82J6H3750880	L82J5H3750885	6
Orillia Ontario - Metrolinx	L965	1722	1724	L82J3G3750320	L82J7G3750322	3
Orillia Ontario - Metrolinx	LA61	1825	1826	L82J2J3751031	L82J4J3751032	2
Ottawa - OC transpo	LB80	4601	4609	L82J0J3751576	L82J3J3751586	9
Ottawa - OC transpo	LC16	4610	4682	L82J7K3751771	L82JXK3751912	73
Peterborough - Ontario	L870	61	63	L82JXF3001612	L82J3F3001614	3
Peterborough - Ontario	L919	64	66	L82J6F3001767	L82JXF3001769	3
Peterborough - Ontario	L966	67	71	L82J2G3750230	L82JXG3750234	5
Peterborough - Ontario	LA41	7217	7617	L82J1H3750706	L82J3H3750710	5
Peterborough - Ontario	LB20	7819	8019	L82J2K3751919	L82J0K3751921	3
Red Deer - Alberta	L869	—	—	L82J9F3001570	L82J0F3001571	2
Red Deer - Alberta	L926			L82J2F3001796	L82J4F3001797	2
Regina - Saskatchewan	L949	692	696	L82J3G3750205	L82J0G3750209	5
Regina - Saskatchewan	L992	-	-	L82J6G3750294	L82J3G3750298	5
Regina - Saskatchewan	LA44	814	829	L82J0H3750776	L82J7H3750791	16
Regina - Saskatchewan	LA66	833	836	L82J0J3751612	L82J6J3751615	4
Regina - Saskatchewan	LB16	830	830	L82J0H3750793	L82J0H3750793	1
Regina - Saskatchewan	LB17	831	831	L82J2H3750794	L82J2H3750794	1
Regina - Saskatchewan	LB18	832	832	L82J4H3750795	L82J4H3750795	1
Rochester New York - RTS	LB76	1901	1901	L82J3K9777052	L82J3K9777052	1
Sarnia Ontario	L873	151	152	L82J0F3001599	L82J0F3001600	2
Sarnia Ontario	L883	153	153	L82J4G3750021	L82J4G3750021	1
Sarnia Ontario	L963	162	162	L82J7G3750305	L82J7G3750305	1
Sarnia Ontario	LA36	171	172	L82J8H3750752	L82JXH3750753	2

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Saskatoon - Saskatchewan	L953	1601	1610	L82J9G3750158	L82JXG3750167	10
Saskatoon - Saskatchewan	LA29	1701	1711	L82J7H9775846	L82JXH9775856	11
Saskatoon - Saskatchewan	LA92	1718	1732	L82J0H9776319	L82J8H9776343	15
Saskatoon - Saskatchewan	LB73	1901	1907	L82J6K9776977	L82J1K9776983	7
Sault Ste. Marie Ontario	L934	—	—	L82JXG3750038	L82JXG3750038	1
Sault Ste. Marie Ontario	LC06	—	—	L82J3K3751900	L82J3K3751900	2
SEPTA - Pennsylvania	L746	7416	7454	S92L7F4500952	S92L8F4501012	39
SEPTA - Pennsylvania	L861	7300	7484	S92L5G9775188	S92L8G9775220	32
St. Catharines Ontario - Metrolinx	L879	1501	1504	L82J4F3001587	L82J4F3001590	4
St. Catharines Ontario - Metrolinx	L882	1601	1605	L82J9G3750225	L82J9G3750229	5
St. Catharines Ontario - Metrolinx	L898	1560	1560	S92J4F3001663	S92J4F3001663	1
St. Catharines Ontario - Metrolinx	LA62	1801	1813	L82J8J3751034	L82J4J3751046	13
St. Catharines Ontario - Metrolinx	LB06	1860	1862	S92J1J3751000	S92J5J3751002	3
St. Catharines Ontario - Metrolinx	LB09	1740	1740	L82J6J3751033	L82J6J3751033	1
St. John - New Brunswick	L939	40687	40687	L82J0G3750078	L82J0G3750078	1
St. John - New Brunswick	LB05	38888	38899	L82J8J3750983	L82J1J3750999	12
St. John's - Newfoundland	L930	1626	1630	L82J7F3001826	L82J9F3001830	5
Stratford - Ontario	L893	—	—	L82J9F3001584	L82J0F3001585	2
Stratford - Ontario	LB19	—	—	L82J3J3751183	L82J5J3751184	2
Sudbury - Ontario	L994	861	865	L82J1G3750364	L82J9G3750368	5
Sudbury - Ontario	LA46	871	873	L82J1H3750821	L82J5H3750823	3
Sudbury - Ontario	LB27	881	883	L82J9J3751382	L82J2J3751384	3
Thunder Bay - Ontario	L863	—	—	L82J8F3001558	L82J6F3001560	3
Thunder Bay Ontario - Metrolinx	L944	—	—	L82J6G3750084	L82JXG3750086	3
Thunder Bay Ontario - Metrolinx	LA01	—	—	L82J5H3750448	L82J7H3750449	2
Thunder Bay Ontario - Metrolinx	LA57	—	—	L82J8H3750895	L82J8H3750928	12
Timmins - Ontario	L995	-	-	L82JXG3750377	L82JXG3750377	1
Timmins - Ontario	LC02	—	—	L82JXK3751926	L82JXK3751926	1
Timmins Ontario	LB07	—	—	L82J1J3751005	L82J3J3751006	2
University of Alabama - Alabama	L902	7030	7030	L82J2F4500993	L82J4F4500994	2
University of Alabama - Alabama	L961	7032	7033	L82J7G9775294	L82J9G9775295	2
University of Alabama - Alabama	LA02	7034	7037	L82J8G9775546	L82JXG9775550	4
Vancouver Airport Authority - YVR British Columbia	L856	705	706	L82LXH3750530	L82L1H3750531	2
Vancouver Airport Authority - YVR British Columbia	L912	173	178	L82L5F3001812	L82L4F3001817	6
Welland Ontario - Metrolinx	L866	—	—	L82J9F3001648	L82J9F3001648	1
Welland Ontario - Metrolinx	L933	—	—	L82J1G3750011	L82J1G3750011	1
Welland Ontario - Metrolinx	L991	-	-	L82J9G3750287	L82J9G3750287	1
Welland Ontario - Metrolinx	LA52	—	—	L82J2H3750911	L82J4H3750912	2
Welland Ontario - Metrolinx	LA93	—	—	L82J6H3750913	L82J6H3750913	1
Welland Ontario - Metrolinx	LC19	—	—	L82J2K3751922	L82J4K3751923	2
Welland Ontario - Metrolinx	LC37	—	—	L82J6K3751924	L82J8K3751925	2
Whitehorse - Yukon	LA04	—	—	L82J2G3750390	L82J4G3750391	2
Whitehorse - Yukon	LB03	—	—	L82J9H9776352	L82J0H9776353	2
Windsor - Ontario	LB24	8025	8026	L82JXJ3751424	L82J1J3751425	2
Windsor Ontario - Metrolinx	L886	570	577	L82J8F3001818	L82J5F3001825	8

CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
		FROM	TO	FROM	TO	
Windsor Ontario - Metrolinx	LA56	578	601	L82J5J3751007	L82J0J3751030	24
Woodstock - Ontario	L923	15-16	15-16	L82J9F3001746	L82J9F3001746	1
Woodstock - Ontario	LA08	17-08	17-08	L82J3H3750514	L82J3H3750514	1
Woodstock - Ontario	LB04	18-04	18-14	L82J3H9776363	L82J5H9776364	2
York Regional Transit - Ontario	L896	1501	1517	L82J2F3001619	L82JXF3001741	17
York Regional Transit - Ontario	L936	1518	1518	L82J3G3750012	L82J3G3750012	1
York Regional Transit - Ontario	L964	1770	1774	S92J6G3750420	S92J3G3750424	5
York Regional Transit - Ontario	L967	1601	1621	L82J2G9775414	L82J8G9775627	21
York Regional Transit - Ontario	LA07	1701	1715	L82J9G3750340	L82JXG3750363	15

**WARNING**

FOLLOW YOUR INTERNAL SAFETY PROCEDURES.

## PROCEDURE

- 1.1. Open the compartment located at the upper left of the driver's seat.
- 1.2. Connect one end of the Cummins Inline interface to the **DDR** plug in the panel located in the compartment and to your laptop computer. See Figure 1.

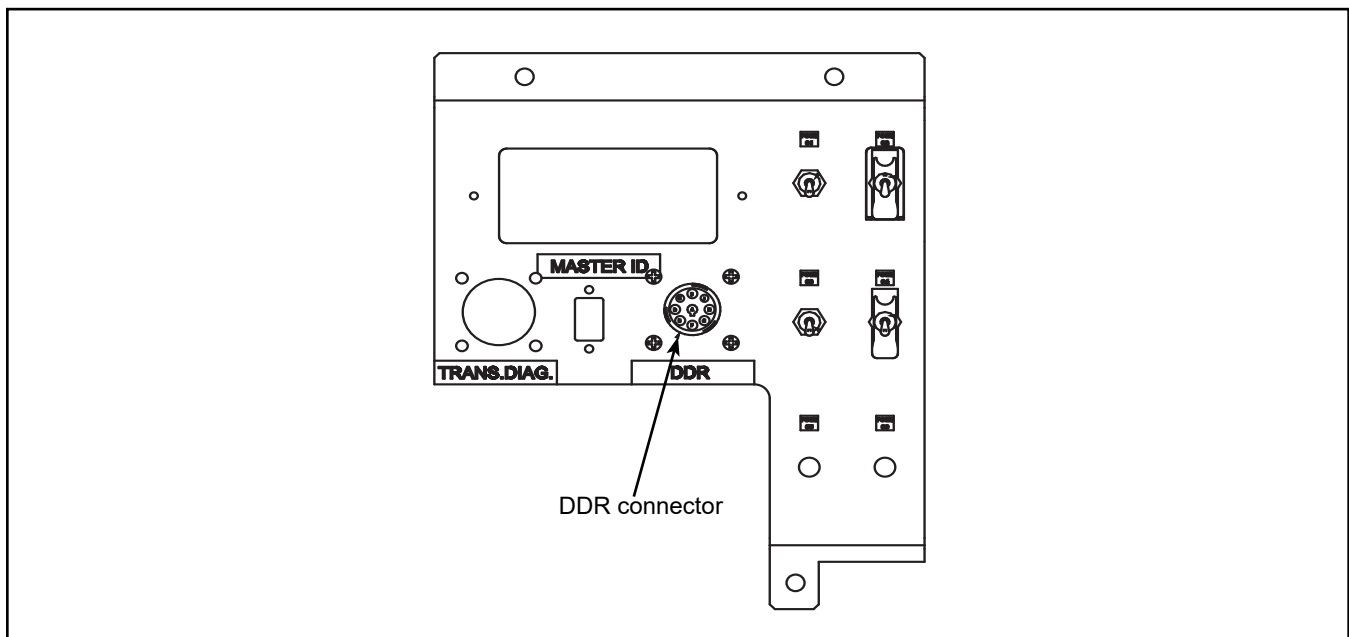


Figure 1 - DDR Connector in a Typical Control Panel

- 1.3. Open the Cummins **INSITE** software.
- 1.4. Select **CONNECT TO ECM**.
- 1.5. Select **FEATURES AND PARAMETERS**.
- 1.6. Locate and open the **AFTERTREATMENT/DIESEL PARTICULATE FILTER** lines. See Figure 2.

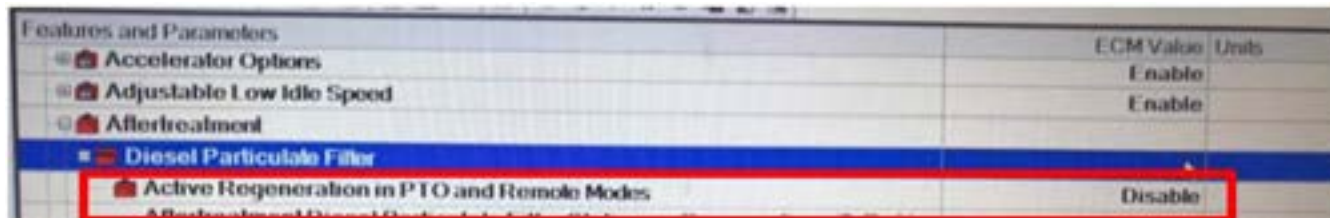


Figure 2 - Aftertreatment and Diesel Particulate Filter parameters open

- 1.7. Change the **ACTIVE REGENERATION IN PTO AND REMOTE MODES** parameter from **DISABLE** to **ENABLE**. See Figure 3.

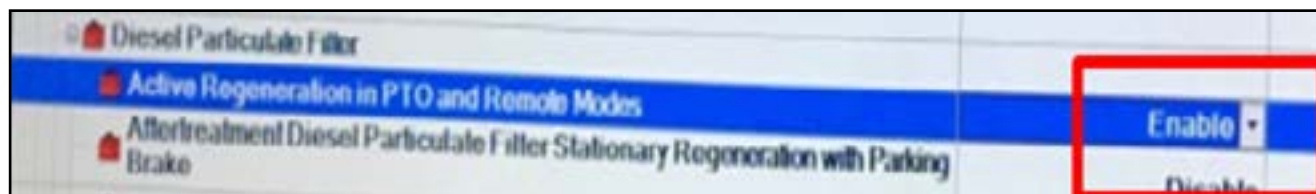


Figure 3 - Active Regeneration in PTO and Remotes Modes

- 1.8. Select **EXIT** button in order to save the new parameter in **ECM**. Accept the changes by selecting **YES**.
  - 1.9. Close the Cummins **INSITE** software and disconnect the Inline interface cable from the **DDR** Connector.
  - 1.10. Close the compartment located at the upper left of the driver's seat.
- ❖