

REFERENCE: NOVA BUS MANUALS
SECTION 09-302: ENGINE COOLING

SUBJECT: METAL SUPPORT FOR THE CHARGE AIR COOLER (CAC) OUTLET PIPE	SR:7621-169
EN: 117750	EFFECTIVE EN: L587
DOCUMENT APPLICATION DEADLINE: 2013NO28	

JUSTIFICATION: RUBBER SUPPORT BREAKS ON THE HORIZONTAL CAC PIPE.
DESCRIPTION: REMOVE EXISTING SUPPORT, INSTALL A NEW STRONGER METAL ASSEMBLY.

Symbols	Description
empty field	No change, the procedure applies
+	Added contract, the procedure applies
—	Removed contract, the procedure does not apply

	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY	
			FROM	TO	FROM	TO		
-	BC Transit - BCT - British Columbia	L463	9319	9333	L82U093000273	L82U093000287	15	
-	Grand River Transit - GRT - Ontario	L464	20901	20913	L82U193000296	L82U493000308	13	
-	First Transit Inc. - University of Alabama	L479	479-1	479-1	L82U394000002	L82U394000002	1	
-	Woodstock - Ontario	L460	—	—	L82U693000309	L82U693000309	1	
-	Timmins - Ontario	L475	—	—	L82U493000311	L82U693000312	2	
-	First Transit Inc. - University of Alabama	L480	480-1	480-1	L82U594000003	L82U594000003	1	
-	Regina - Saskatchewan	L476	625	628	L82U893000313	L82U393000316	4	
-	BC Transit - BCT - British Columbia	L481	9334	9353	L82U794000004	L82U094000023	20	
-	Sudbury - Ontario	L465	791	795	L82U593000317	L82U793000321	5	
-	Thunder Bay - Ontario	L488	—	—	L82U193000332	L82U593000334	3	
-	Peterborough - Ontario	L490	—	—	L82UX93000345	L82U593000348	4	
-	CMBC (TransLink) - British Columbia	L454	9402	9406	L82X793000359	L82X993000363	5	
-	CMBC (TransLink) - British Columbia	L454	9407	9416	L82X893000368	L82X993000377	10	
-	CMBC (TransLink) - British Columbia	L454	9417	9431	L82X293000382	L82X293000396	15	
-	Arrow Coach Line - Arkansas	L494	—	—	L82U793000397	L82U793000397	1	
-	CMBC (TransLink) - British Columbia	L454	9432	9446	L82X893000404	L82X893000418	15	
-	BC Transit - BCT - British Columbia	L486	9354	9369	L82U294000024	L82U494000039	16	
-	CMBC (TransLink) - British Columbia	L454	9447	9461	L82X393000424	L82X393000438	15	
-	CMBC (TransLink) - British Columbia	L482	9492	9499	L82X894000040	L82X094000047	8	
-	CMBC (TransLink) - British Columbia	L482	9501	9517	L82X294000048	L82X094000064	17	
-	CMBC (TransLink) - British Columbia	L454	9462	9470	L82X093000445	L82XX93000453	9	
ISSUED BY:		WILDER GALIANO			DATE:		2012SE26	PAGE 1 OF 6
APPROVED BY:		Daniel Theriault			<div>Digitally signed by Daniel Theriault DN: cn=Daniel Theriault, o=Nova Bus, ou, email=daniel.theriault@volvo.com, c=CA Date: 2013.05.23 12:04:50 -04'00'</div>			



SERVICE BULLETIN

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	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
-	Lethbridge - Alberta	L489	165	169	L82U493000454	L82U193000458	5
-	CMBC (TransLink) - British Columbia	L455	9471	9481	L82X093000459	L82X393000469	11
-	CMBC (TransLink) - British Columbia	L483	9518	9542	L82X294000065	L82X594000089	25
-	CMBC (TransLink) - British Columbia	L455	9482	9491	L82X293000480	L82X993000489	10
-	CMBC (TransLink) - British Columbia	L532	9543	9551	L82U093000497	L82U693000505	9
-	Brampton - Ontario	L501	0917	0921	L82U893000506	L82UX93000510	5
-	CMBC (TransLink) - British Columbia	L533	9552	9559	L82U193000511	L82U493000518	8
-	Brampton - Ontario	L501	0922	0926	L82U693000519	L82U893000523	5
-	CMBC (TransLink) - British Columbia	L533	9560	9573	L82U093000524	L82U093000537	14
-	BC Transit - BCT - British Columbia	L484	9370	9403	L82U494000090	L82U494000123	34
-	CMBC (TransLink) - British Columbia	L534	9574	9589	L82U694000124	L82U894000139	16
-	Niagara Falls - Ontario	L499	2986	2989	L82U093000564	L82U693000567	4
-	CMBC (West Vancouver) - British Columbia	L539	901	909	L82U494000140	L82U994000148	9
-	BC Transit - BCT - British Columbia	L487	9404	9433	L82U094000149	L82U794000178	30
-	Strathcona County Transit - Alberta	L523	2010	2010	L82U693000603	L82U693000603	1
-	Strathcona County Transit - Alberta	L524	3005	3010	L82X593000604	L82X493000609	6
-	Walt Disney World - Florida	L535	1204	1213	L82UXA4000003	L82U0A4000012	10
-	Stratford - Ontario	L493	—	—	L82U2A3000019	L82U2A3000019	1
-	Woodstock - Ontario	L492	—	—	L82U4A3000040	L82U6A3000041	2
-	St. John's - Newfoundland	L503	1066	1066	L82U4A3000071	L82U4A3000071	1
-	Brantford - Ontario	L547	10101	10105	L82X6A3000082	L82X3A3000086	5
-	Marketing Sales Demo - MSD 1 ISB Hybrid	L548	—	—	L82X5A3000087	L82X5A3000087	1
-	Belleville - Ontario	L542	—	—	L82UXA3000088	L82U8A3000090	3
-	Timmins - Ontario	L550	—	—	L82U8A3000171	L82UXA3000172	2
-	Saskatoon - Saskatchewan	L551	1005	1007	S92UXA3000178	S92U8A3000180	3
-	Sudbury - Ontario	L552	801	808	L82U3A3000238	L82U0A3000245	8
-	Grand River Transit - GRT - Ontario	L560	21001	21009	L82U2A3000246	L82U1A3000254	9
-	Whitehorse - Yukon	L563	38	41	L82U3A3000255	L82U9A3000258	4
	Halifax - Nova Scotia	L558	717	731	S92UXA3000293	S92U6A3000307	15
	Marketing Sales Demo - MSD 2	L569	—	—	L82U4B4000001	L82U4B4000001	1
	Marketing Sales Demo - MSD 3	L570	—	—	L82U6B4000002	L82U6B4000002	1
-	Regina - Saskatchewan	L561	—	—	L82U8B4000003	L82U5B4000010	8
-	Regina - Saskatchewan	L561	—	—	L82U4B4000013	L82UXB4000018	6
	Calgary Transit - Alberta	L601	8101	8114	L82U5A4000099	L82U4A4000112	14
-	Honolulu - Hawaii	L559	201	224	L82U6A4000113	L82U7A4000136	24
	Guelph - Ontario	L579	221	224	L82UXA3000401	L82U5A3000404	4
	Marketing Sales Demo - MSD 4	L568	—	—	S92U9B3000013	S92U9B3000013	1

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	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
	York Regional Transit Ontario	L562	1080	1082	S92U2A3000420	S92U6A3000422	3
	Strathcona County Transit - Alberta	L580	2011	2023	L82U1A3000464	L82U8A3000476	13
	Calgary Transit - Alberta	L607	8115	8130	L82UXA3000477	L82U6A3000492	16
-	First Transit Inc. - University of Alabama	L573	—	—	L82U9A4000137	L82U0A4000138	2
	Connecticut Transit	L554	1041	1054	S92U1A4000139	S92U4A4000152	14
	Connecticut Transit	L554	1055	1065	S92U8A4000154	S92U0A4000164	11
	York Regional Transit - Ontario	L572	1083	1094	S92U3A3000569	S92U2A3000580	12
	Belleville - Ontario	L598	—	—	L82U5A3000581	L82U7A3000582	2
	Calgary Transit - Alberta	L615	8131	8158	L82U1B4000019	L82U4B4000046	28
	Halifax - Nova Scotia	L613	732	741	S92UXB3000019	S92UXB3000028	10
	Kings Transit - Kentville, Nova Scotia	L581	—	—	L82U2B3000054	L82U2B3000054	1
	Thunder Bay - Ontario	L614	—	—	L82UXB3000061	L82U3B3000063	3
	Calgary Transit - Alberta	L624	—	—	L82U4B4000077	L82U6B4000078	2
+	Grand River Transit - GRT - Ontario	L633	21101	21115	L82U7B3000289	L82U8B3000303	15
+	Marketing Sales Demo - MSD 2	L616	—	—	L82U4C4500001	L82U4C4500001	1
+	Clemson Area Transit - South Carolina	L617	—	—	S92U5C4500002	S92U5C4500002	1
+	University of Colorado - Colorado	L627	—	—	S92UXB4000139	S92U6B4000140	2
+	Marketing Sales Demo - MSD 6 Houston	L628	—	—	L82U8C4500003	L82UXC4500004	2
+	University of Alabama - Alabama	L640	—	—	L82U9B4000141	L82U0B4000142	2
+	Sudbury - Ontario	L632	811	817	L82U9B3000326	L82U4B3000332	7
+	Clemson Area Transit - South Carolina (ref L722)	L641	—	—	L82U1C4500005	L82U5C4500007	3
+	Sault Ste-Marie Transit Services - Ontario (ref L686)	L641	135	135	L82U7C4500008	L82U7C4500008	1
+	Clemson Area Transit - South Carolina (ref L722)	L641	—	—	L82U9C4500009	L82U5C4500010	2
+	Sault Ste-Marie Transit Services - Ontario (ref L686)	L641	139	139	L82U7C4500011	L82U7C4500011	1
+	Duke University - North Carolina (ref. L703)	L641	—	—	L82U9C4500012	L82U0C4500013	2
+	Sault Ste-Marie Transit Services - Ontario (ref L686)	L641	136	138	L82U2C4500014	L82U6C4500016	3
+	Duke University - North Carolina (ref. L703)	L641	—	—	L82U8C4500017	L82U1C4500022	6
+	Regina - Saskatchewan	L639	645	654	L82U1B3000336	L82U2B3000345	10
+	Stratford - Ontario	L634	—	—	L82UXB3000352	L82UXB3000352	1
+	Calgary Transit - Alberta	L637	8161	8171	L82U7B3000356	L82UXB3000366	11
+	Calgary Transit - Alberta	L637	8172	8180	L82U3B3000368	L82U2B3000376	9
+	Marketing Sales Demo - MSD 4	L618	—	—	S92U1C3000377	S92U1C3000377	1
+	Belleville Transit - Ontario	L655	—	—	L82U3B3000385	L82U3B3000385	1
+	Strathcona County Transit - Alberta	L659	2024	2028	L82U7B3000440	L82U4B3000444	5

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	CLIENT	ORDER	ROAD NUMBER		VIN (2NVY/4RKY...)		QTY
			FROM	TO	FROM	TO	
+	Timmins - Ontario	L661	—	—	L82U9B3000486	L82U9B3000486	1
+	Airdrie Transit - Alberta	L664	—	—	L82U2B3000507	L82U2B3000507	1
+	Brantford - Ontario	L663	—	—	L82U1B3000532	L82U1B3000532	1
TOTAL							612

MATERIAL				
QTY.	PART NO.	REV.	DESCRIPTION	REPLACES PART NO.
2	N43233		NUT M8	
2	N65113		MUSHROOM HEAD BOLT	
1	N66076		METAL SUPPORT CAC	
1	N66077		METAL PLATE SUPPORT CAC	
5	N43233		M8 NUT	
5	N43774		SCREW	
1	N60428		METAL CLAMP	

MATERIAL AVAILABILITY: MATERIALS WILL BE AVAILABLE WITHIN 62 DAYS. TO ORDER, PLEASE SEND A NO CHARGE PURCHASE ORDER TO PREVOST PARTS FAX: 1-888-668-2555. SPECIFY DOCUMENT NUMBER, QUANTITY OF KITS AND SHIPPING ADDRESS.

DISPOSAL OF MATERIAL:

THE PARTS REMOVED AND THE NEW PART NOT USED MUST BE KEPT AND THEN GIVEN TO YOUR AFTER-SALES SERVICE REPRESENTATIVE AT TIME OF WARRANTY CLAIM.

ALLOCATED TIME: 45 MINUTES

REVISION HISTORY			
REV.	DATE	CHANGE DESCRIPTION	ISSUED BY
NR	2012SE30	INITIAL RELEASE	WG
R1	2013AL30	CLIENT LIST REVISED (SEE THE LIST FOR ADDED AND REMOVED CONTRACTS)	WG

FOLLOW YOUR INTERNAL SAFETY PROCEDURES

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PROCEDURE

1. Open the rear engine access door.
2. Remove the rubber part from the charge air cooler CAC outlet pipe. See Figure 1.

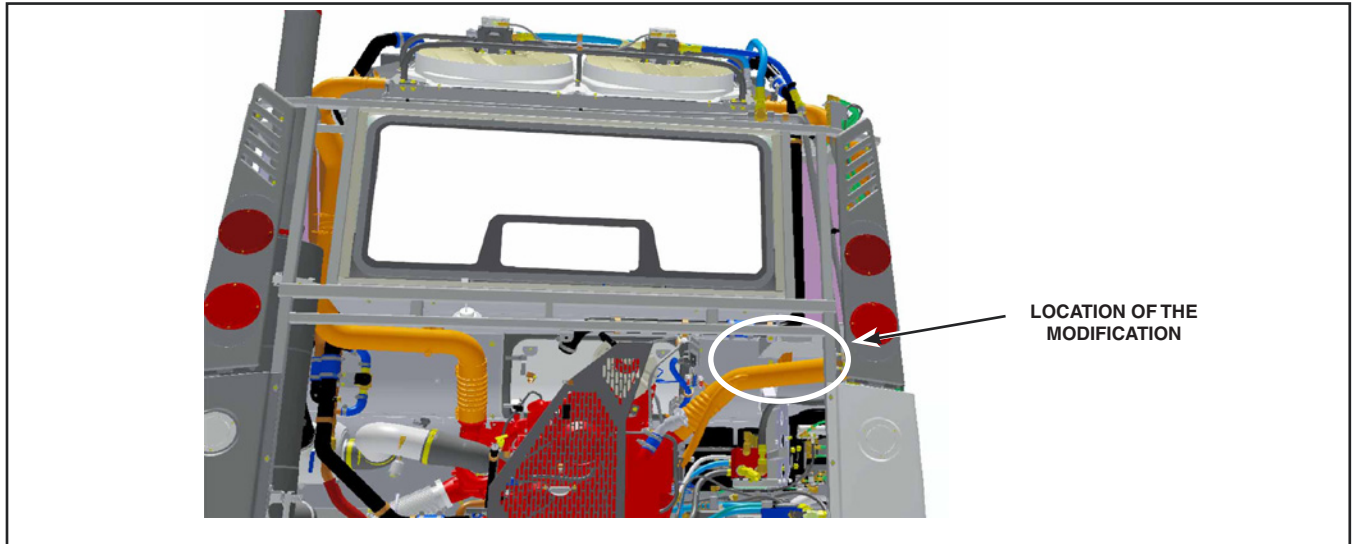


Figure 1 - CAC tube and Supports location to be Replaced

3. With a grinder, cut the metal support at the base of the charge air cooler CAC pipe. See Figure 2.
4. With a grinder, cut the bracket from the vehicle's structure.

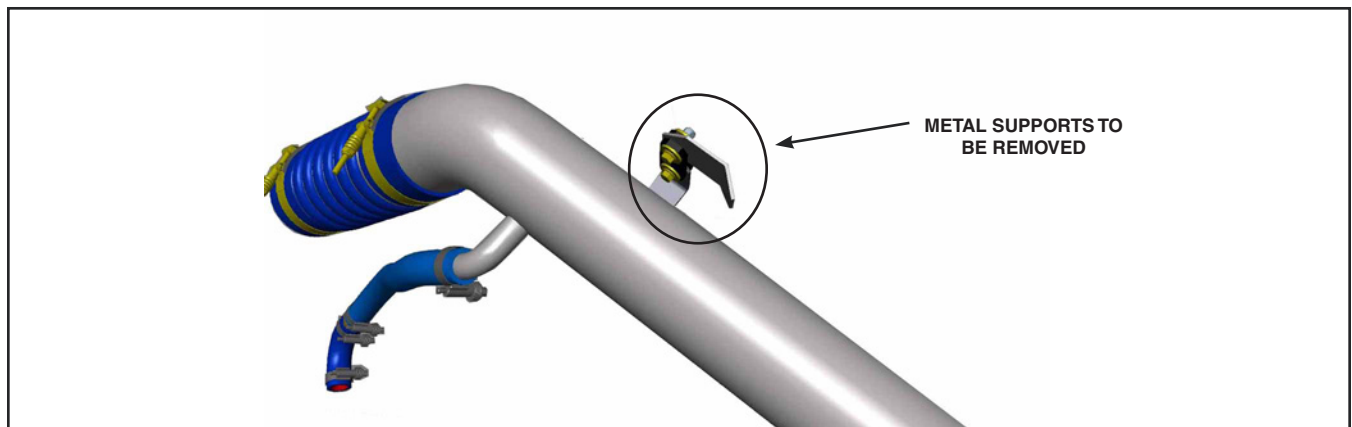


Figure 2 - Supports to be Removed

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5. Locate metal support plate N66077 as shown on Figure 3.
6. Drill three 10 mm (0.393 IN) holes on the vehicle's structure as shown on Figure 3.

**NOTE:**

Before drilling, protect the wires that lay on the floor of the IB Panel. When drilling use a drill bit stopper.

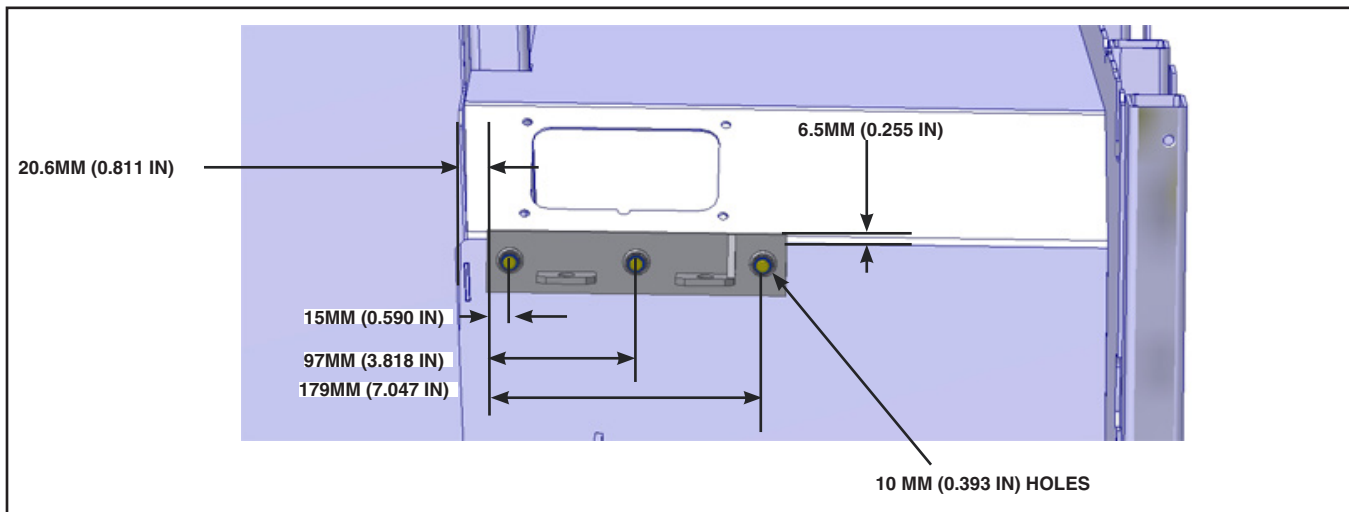


Figure 3 - Location of N66077 Support and Holes

7. Attach metal support plate N66077 to the structure with three bolts N43774 and three nuts N43233. See Figure 4.
8. Attach support N66076 to the metal support plate N66077 with two bolts N43774 and two nuts N43233. See Figure 4.

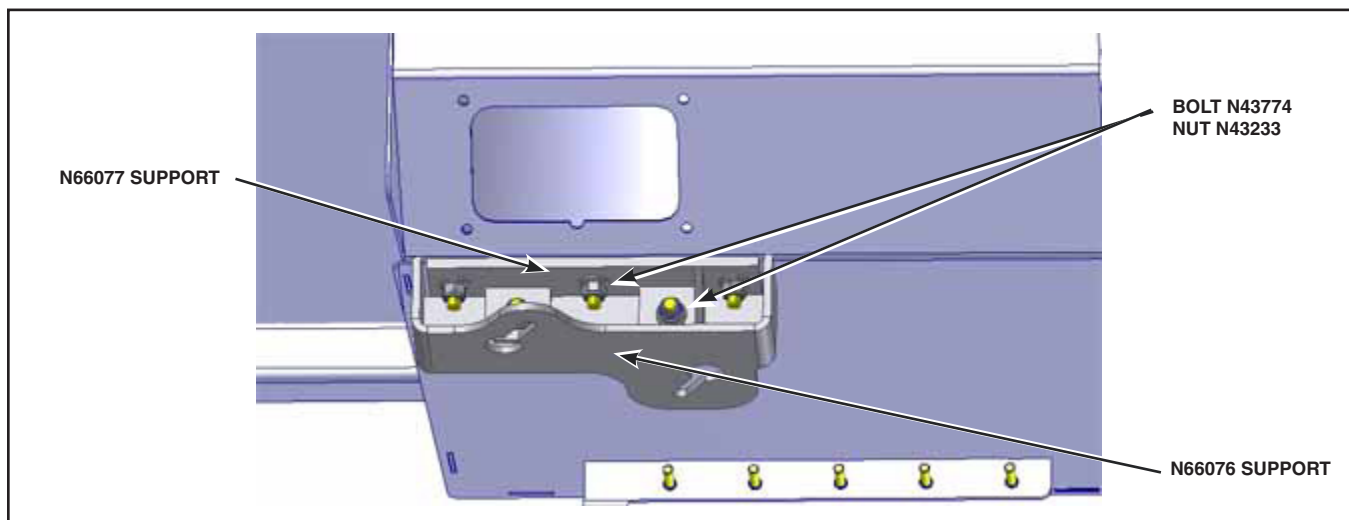


Figure 4 - Attach Support N66077 to the vehicle structure and Assemble with Support N66076

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9. Install the metal clamp N60428 on the charge air cooler CAC tube.
10. Afix the metal clamp N60428 to the new metal assembly support with two screws N65113 and two nuts N43233. Apply thread locker before fastening. See Figure 5.
11. Tighten the metal clamp N60428 onto the charge air cooler CAC tube.
12. Close the rear engine access door.

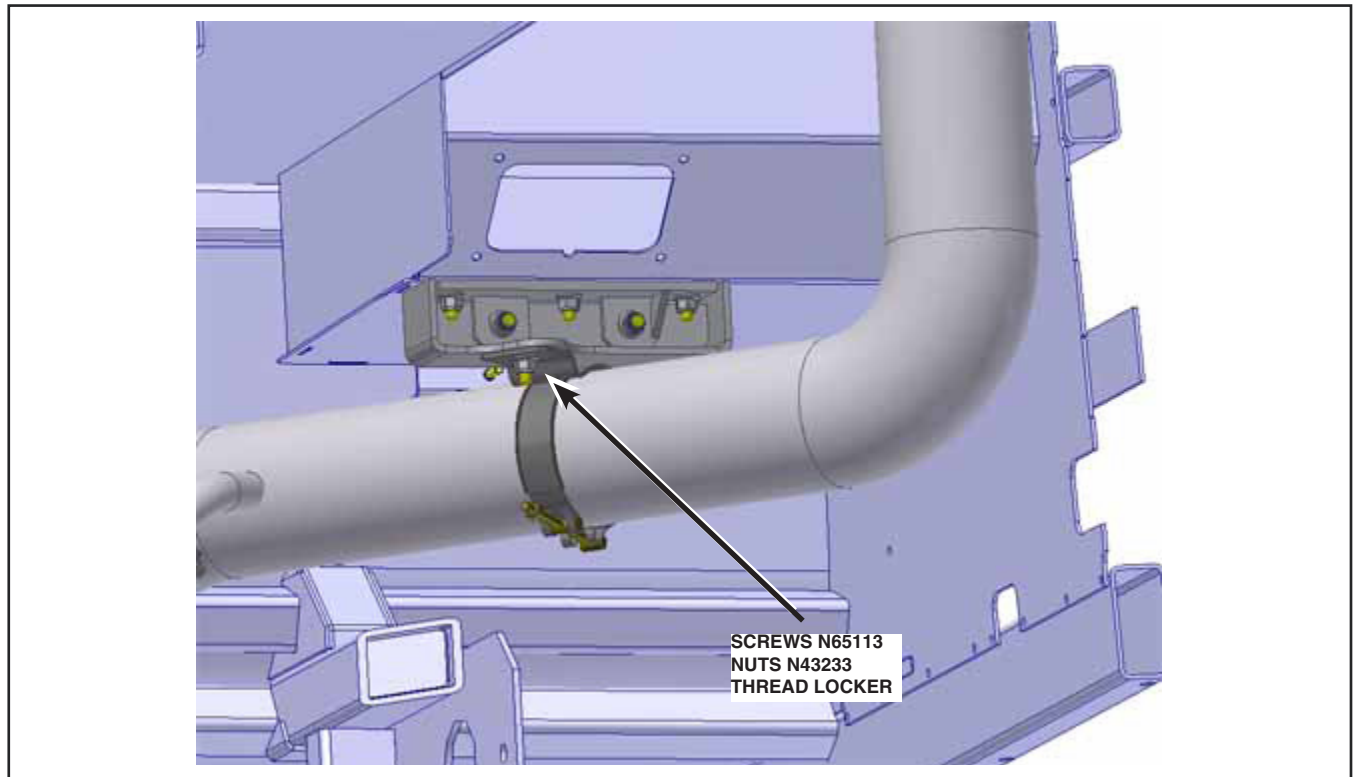


Figure 5 - Clamp Installation on CAC Pipe

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