



PROTERRA



TECHNICAL SERVICE BULLETIN

DOCUMENT CREATION DATE:	5/28/2019
SERVICE CAMPAIGN SUBJECT:	Catalyst 40 Clamshell Bracket Retrofit
VINs or MODELS AFFECTED:	Service Specified Buses
SERVICE CAMPAIGN #:	SC-19-72

CATALYST 40 CLAMSHELL BRACKET RETROFIT

NOTICE! It is expected that this process will require 1 hour per bus. Please schedule appropriately to minimize vehicle downtime.

Retrofit Description:

This procedure upgrades the clamshell brackets and latch to a more robust design.



Headquarters: 1815 Rollins Road, Burlingame, CA 94010
East Coast Manufacturing: 1 Whitlee Court, Greenville, SC 29607
West Coast Manufacturing: 383 Cheryl Lane, City of Industry, CA 91789

Tools/Parts Required

Tools and Supplies Required:

- Ratchet
- 10mm Socket
- 10mm Combination Wrench
- Calibrated Torque Wrench
- Orange Torque Stripe Paint

Parts Required:

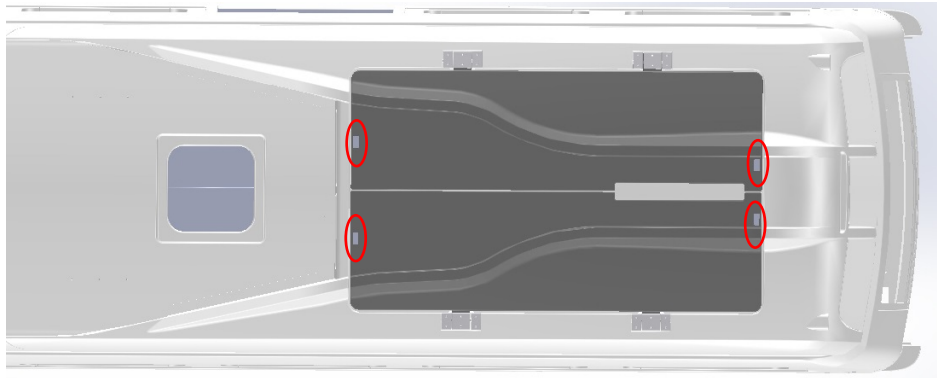
• 040454	CATCH, LATCH, CLAMSHELL EXTENDED	3 EA
• 005442-006	BOLT,HEX,FLANGE,STL,YZPL,CLASS 10.9, M6-1.0X30X30	15 EA
• 005448	LKNT,HEX,FLANGE,STL, ZPL,CLASS 10, M6-1.0	15 EA
• 019480	LATCH, SCOOP	4 EA



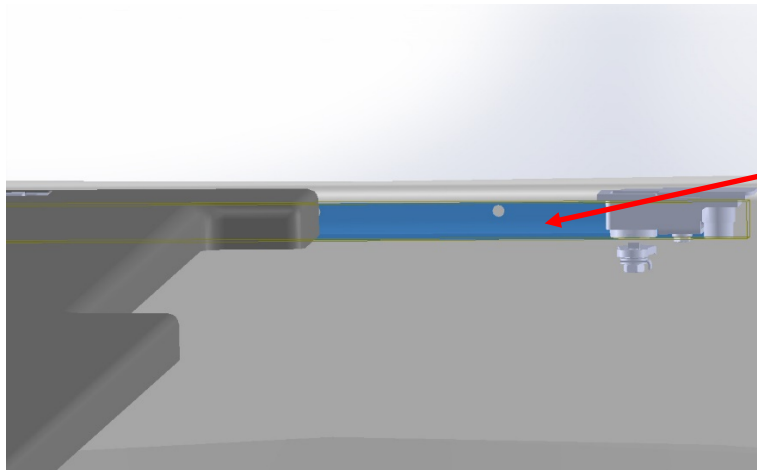
Procedure

Hardware Update

1. Complete the Proterra approved Lockout/Tagout procedure to make the bus safe for work.
2. All procedures for working safely on top of the bus must be followed.
3. Access the Clamshell Latches shown circled in red in the following illustration. Open the latches and Clamshell Doors.

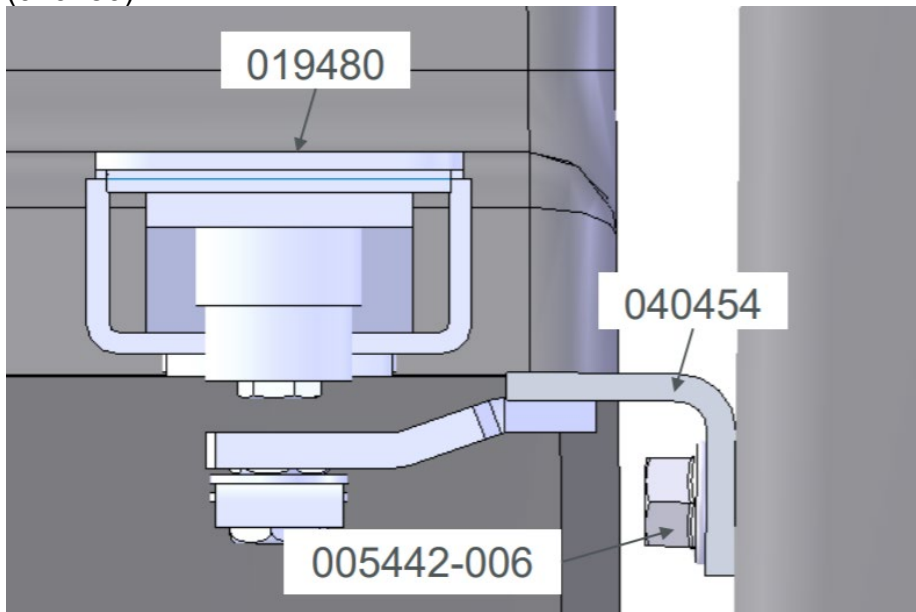


4. Using a 10mm Ratchet/Socket and a 10mm Combination Wrench, remove the three existing Catches shown in blue from the bus.

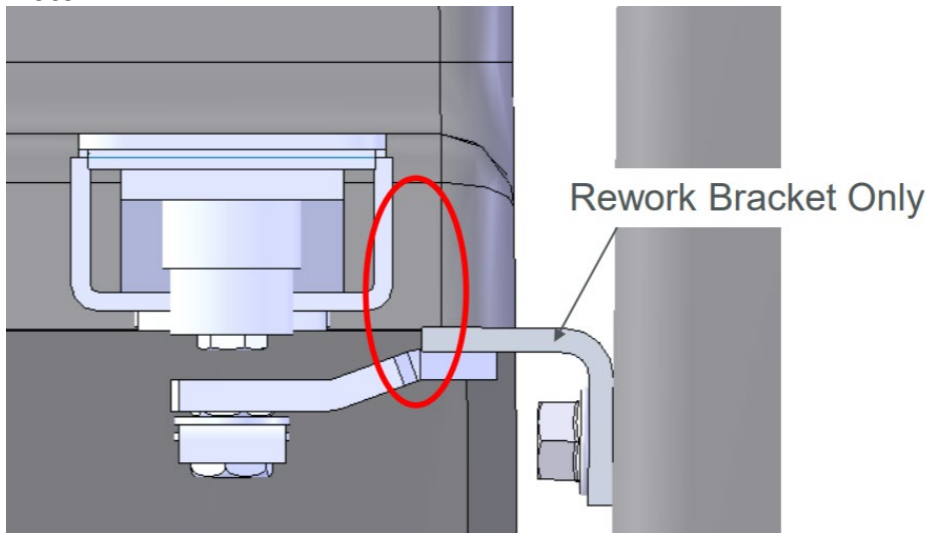


5. Using a 10mm Ratchet/Socket and a 10mm Combination Wrench, install the three new Catches (040454) using new Bolts (005442-006) and new Nuts (005448) from the kit.
6. Using a Calibrated Torque Wrench with a 10mm Socket, **torque the nuts (005422-006) to 8 Foot Pounds.**
7. Using a 10mm Ratchet/Socket, remove the existing latches.

- Using a 10mm Ratchet/Socket, replace the three existing latches with the new Latches (019480) from the kit.



- Verify that the new brackets do not interfere with the new latches. If interference occurs, use a grinder to remove material from the bracket.
Note: Do not remove material from the latch.



- Verify that all Clamshell Door Latches are working correctly. Close and latch the Clamshell doors.
- Remove the Lockout/Tagout devices and return the bus to service.