


Title:	Coolant Hose Constant Torque Clamps			
Number:	SB_709	Release Date:	10/01/2024	
Revision Number:	1	Revision Date:	01/14/2025	
Chassis Type:	All Chassis			
Component Description:	Coolant clamps			

Purpose:

This bulletin will provide proper installation instructions and torque ratings for constant torque clamps that are used to secure coolant hoses on Pierce Fire Apparatus.

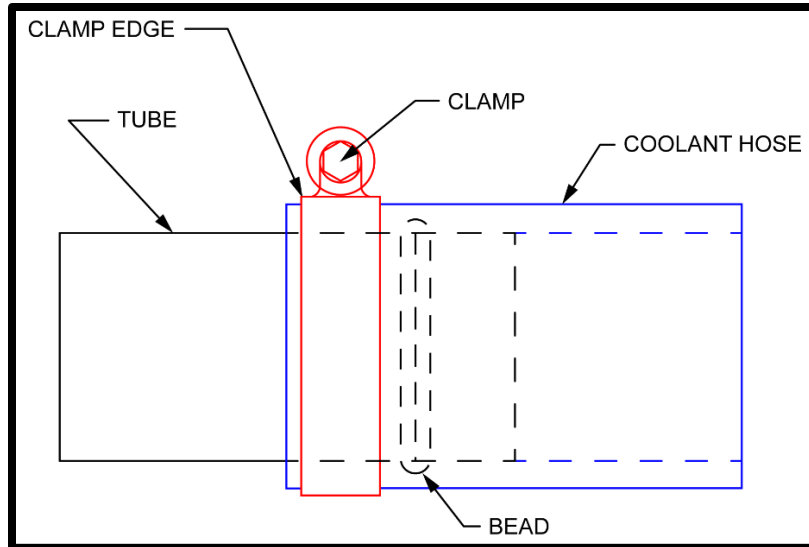
NOTE: Please refer to *PB_672 Engine Coolant Standardization* for recommended coolants to use on Pierce vehicles. The recommended coolants are Nitrite and 2-EHA free in order to ensure the best performance, efficiency, and lifespan of the vehicle.

Description:

Correct Hose Clamp Installation:

IMPORTANT:

- For all coolant hose torque clamp applications, the following conditions must be met to ensure a leak-proof connection:
 - The clamp must be beyond the bead of the tube.
 - The hose should be past the edge of the clamp.



Incorrect Hose Clamp Installation:



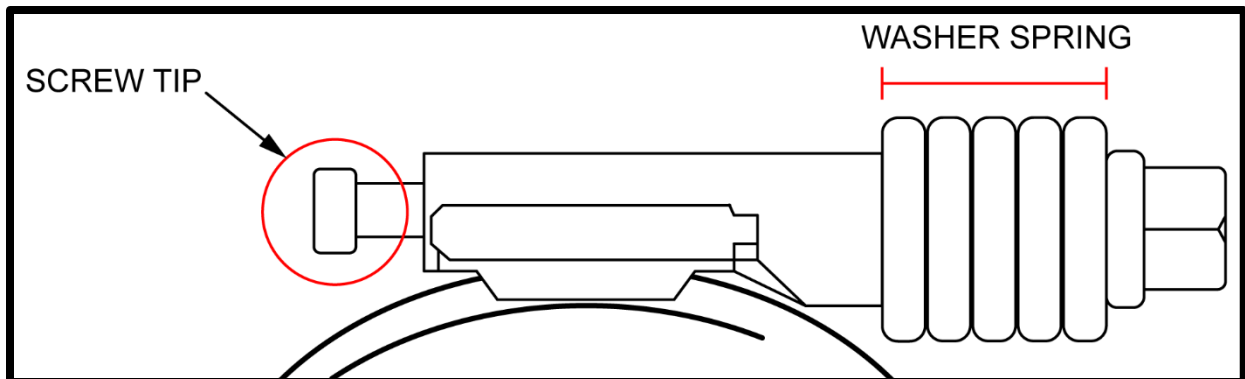
Constant Torque Clamps:

NOTE:

- Once properly torqued, these clamps cannot be reused. If they need to be loosened/removed, they will need to be discarded and replaced.
- For proper torque values, please see the Torque Table at the end of the installation instructions.
- Tooling used to install constant torque clamps should not be used to install the clamps at an excessive rate at any point during torque application. This is to reduce the tendency of these clamps to “relax” following torque application.

When installing constant torque clamps, the following criteria must be met to ensure that the clamp is maintaining a leak-proof connection:

- a) The screw tip should extend approximately 3/16” beyond the housing.
- b) The washer spring should be collapsed nearly flat.



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Pierce PN	Clamp Diameter Min.	Clamp Diameter Max.	Torque Range (lb-in)
80-8020-019	13/16"	1-1/16"	62-66
80-8020-020	13/16"	1-3/4"	62-66
80-8020-001	1"	1-3/4"	100-125
80-8020-002	1-1/4"	2-1/8"	100-125
80-8020-003	1-3/4"	2-5/8"	100-125
80-8020-004	2-1/4"	3-1/8"	100-125
80-8020-005	2-3/4"	3-5/8"	100-125
80-8020-006	3-1/4"	4-1/8"	100-125
80-8020-007	3-3/4"	4-5/8"	100-125
80-8020-008	4-1/4"	5-1/8"	100-125
80-8020-009	4-3/4"	5-5/8"	100-125
80-8020-010	5-1/4"	6-1/8"	100-125
80-8020-011	5-3/4"	6-5/8"	100-125
80-8020-012	6-1/4"	7-1/8"	100-125
80-8020-013	6-3/4"	7-5/8"	100-125
80-8020-014	7-1/4"	8-1/8"	100-125
80-8020-015	7-3/4"	8-5/8"	100-125
80-8020-016	8-1/4"	9-1/8"	100-125

If any additional support is needed, please open a technical support incident on Pierceparts.com.

Revision Log		
Rev. #	Changes	Date
1	Updated to include installations instructions and images	01/14/25