

WHEEL LOCK REMOVAL

PURPOSE

The purpose of this guide is to provide insights, guidelines, and Best Practices to support the **Wheel Lock Removal** process. By following this guide, you will be able to safely remove stuck wheel locks without damaging the customers vehicle.

SAFETY & QUALITY FIRST



CRITICAL TO SAFETY

- Always use the thread shaker.
- Always wear goggles and gloves when using the thread shaker.
- Never directly hit a socket with a hammer.
- The thread shaker should only be used with the hand guard installed.
- Replace the thread shaker when the head becomes mushroomed as pieces of metal can chip off.
- If DT40 is used, remove all lubrication from the studs, lugs, and lug seat.



CRITICAL TO QUALITY

Not using the Thread Shaker can cause wheel damage if the hammer strikes the wheel.

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OVERVIEW AND APPROACH			
What is Wheel Lock Removal?	The Wheel Lock Removal process is used when there is damage, or no wheel lock key is available to remove the wheel lock from the vehicle.		
Who is Responsible?	Who performs Wheel Lock Removal?	What certification is required to perform?	What AOR oversees Wheel Lock Removal Blade Installation?
	Service Tech	Service Tech	SS Assistant Manager
When to Perform?	This should be done when neither we or the customer have the proper key to remove the lock due to it being stripped, damaged, or missing.		
Benefits	For Our Customers: Removes a wheel lock that is stripped, damaged, or missing the key <u>without damaging the vehicle</u>		For Our People: Allows for <u>safe removal</u> of wheel locks that are stripped, damaged, or miss the key
Tools	Throughout the Wheel Lock Removal process, you must use the following tools:		
	Personal Protective Equipment (PPE)		Goggles and gloves are required when using the thread shaker.
	Wheel Lock Removal Kit		This kit contains the dual-sided twist sockets that is used to remove a wheel lock from the vehicle.
	Thread Shaker		Used with the dual-sided twist sockets and the ball peen hammer to ensure the socket has a tight grip on the wheel lock.
	Ball Peen Hammer		Used to strike the thread shaker to ensure the dual-sided twist socket has a tight grip on the wheel lock.

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ADDITIONAL SUPPORT			
Tips from the Trusted Experts	If the wheel lock is stuck in the dual-sided twist socket after removal, partially thread the lock back onto the stud and move it side to side and up and down to remove it, using a torque stick for additional leverage, if needed.		
Additional Resources	Throughout the Wheel Lock Removal process, you may use the following resources: <table border="1"> <tr> <td> Removing the Assembly Best Practice </td><td>This Best Practice provides the basic information needed when removing an assembly from the vehicle.</td></tr> </table>	Removing the Assembly Best Practice	This Best Practice provides the basic information needed when removing an assembly from the vehicle.
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Employee:	Observer:	Store #:	Date:
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	Important Steps (Action/Task)	Key Points (What)	Reasons (Why)	SAFE	AT RISK
WHEEL LOCK REMOVAL	1. Collects tools and equipment	Collects wheel lock removal kit, thread shaker, goggles, and ball peen hammer from specialty tool board.	- These tools and equipment should be housed on the specialty tool board. - Goggles and gloves are required for this process.		
	 Always wear goggles and gloves when using the thread shaker.				
	2. Selects twist socket	Selects the dual-sided twist socket from the Wheel Lock Removal Kit that fits snugly over the top of the wheel lock.	If the socket is either too large or too small, it will not be able to appropriately grip the wheel lock.		
	3. Places socket	Places the dual-sided twist socket onto the thread shaker and places the socket over the wheel lock.	This puts the dual-sided twist socket in place so it can bite into the wheel lock.		
	4. Strikes thread shaker	While keeping a firm grip on the thread shaker, hits the flat surface with the hammer until the socket has a tight grip on the wheel lock.	This causes the dual-sided twist socket to bite into the metal of the wheel lock, gripping it so it can be removed with an impact gun.		
	 The thread shaker should only be used with the hand guard installed.				
	5. Removes wheel lock	Removes the thread shaker and uses the impact gun to remove the wheel lock.	Now that the dual-sided twist socket has gripped the wheel lock it can be removed using the impact gun.		
COMMENTS					