

Tool Instruction Low Temperature (LT) Exhaust Gas Recirculation (EGR) Core Puller Kit

4328211R1

Tool Number: 12-892-04

Purpose

The 12-892-04 Low Temperature (LT) Exhaust Gas Recirculation (EGR) Core Puller Kit provides tools for replacement of the LT EGR cooler core.

Application(s)

MaxxForce[®] 11 & 13 (EPA 10) with HD-OBD

MaxxForce[®] 11 & 13 (EPA 10)

N13 (EPA 10) with SCR



0000292615

Figure 1. Low Temperature (LT) Exhaust Gas Recirculation (EGR) Core Puller Kit.

Application(s) (cont.)



GOVERNMENT REGULATION: Engine fluids (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluids and other contaminated materials (such as filters or rags) in accordance with applicable regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable regulations.






WARNING: Read all safety instructions in the “Safety Information” section of the *Engine Service Manual* or *Engine Diagnostic Manual* to prevent personal injury or death.



WARNING: Always wear safe eye protection when performing vehicle maintenance. Failure to comply may result in personal injury and / or death.



Tool Contents

Table 1

Image	Tool Number	Qty	Description
 <p>0000292062</p>	12-892-04-01	1	Low Temperature (LT) Exhaust Gas Recirculation (EGR) Core Puller
 <p>0000292063</p>	12-892-04-02	1	Plate, Installation
 <p>0000292064</p>	12-892-04-03	1	Screw, Self-tapping, With Driver

Tool Contents (cont.)

Table 1. (cont.)

Image	Tool Number	Qty	Description
 <p>0000292065</p>	Part of 12-892-04-03	10	Screw, Self-tapping, With Driver
 <p>0000160075</p>	4328211R1	1	Tool Instruction

Instructions

NOTE: Perform Steps 1 - 9 for removal of Low Temperature (LT) Exhaust Gas Recirculation (EGR) cooler core.

NOTE: Remove magnetic plate from LT EGR cooler core puller before installing.

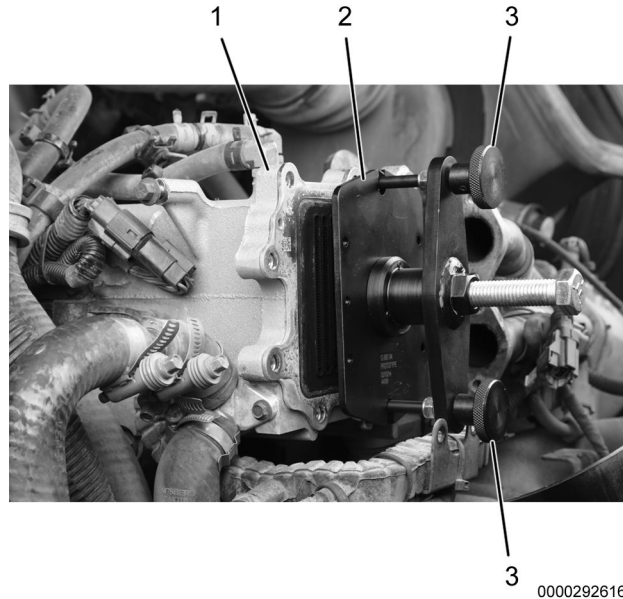


Figure 2. LT EGR Core Puller Thumbscrews – LT EGR Cooler Core Removal.

1. LT EGR cooler housing
2. LT EGR core puller
3. Thumbscrew (2)

CAUTION: Do not use power tools or over torque EGR cooler core when installing LT EGR core puller. Failure to comply may result in property damage.

1. Apply anti-seize compound to threads of two thumbscrews (Figure 2, Item 3).
2. Install LT EGR core puller (Figure 2, Item 2) onto LT EGR cooler housing (Figure 2, Item 1) with two thumbscrews (Figure 2, Item 3) hand tight.

Instructions (cont.)

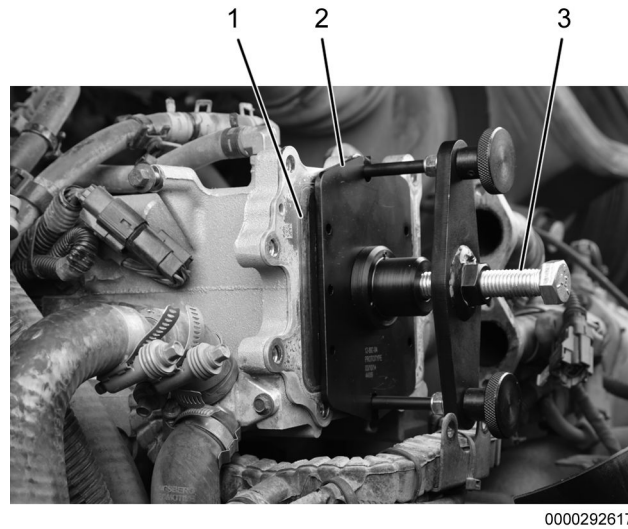


Figure 3. LT EGR Core Puller Removal Plate.

1. LT EGR cooler core
 2. Removal plate
 3. LT EGR core puller removal forcing screw
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3. Tighten LT EGR core puller removal forcing screw (Figure 3, Item 3), hand tight, until removal plate (Figure 3, Item 2) is flush with LT EGR cooler core (Figure 3, Item 1).

Instructions (cont.)

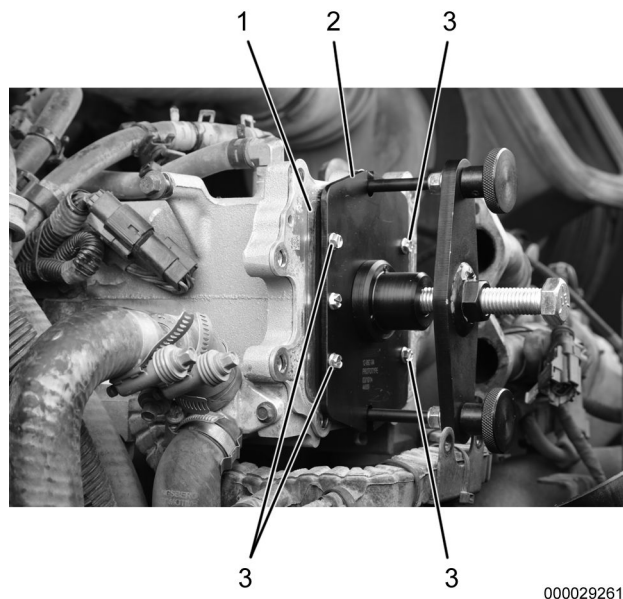


Figure 4. LT EGR Core Puller Self-Tapping Screws.

1. LT EGR cooler core
2. Removal plate
3. Self-tapping screw (6) (one not shown)

CAUTION: Do not over-tighten self-tapping screws. Failure to comply may result in property damage.

4. Drill six self-tapping screws (Figure 4, Item 3) into LT EGR cooler core (Figure 4, Item 1).
5. Tighten six self-tapping screws (Figure 4, Item 3) until flange is up against back of removal plate (Figure 4, Item 2).

Instructions (cont.)

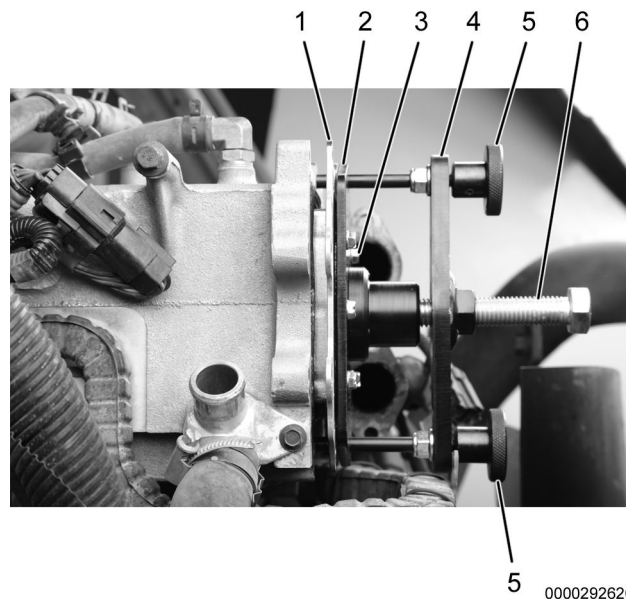


Figure 5. LT EGR Core Puller Self-Tapping Screws.

1. LT EGR cooler core
 2. Removal plate
 3. Self-tapping screw (6)
 4. LT EGR core puller
 5. Thumbscrew (2)
 6. LT EGR core puller removal forcing screw
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6. Loosen LT EGR core puller removal forcing screw (Figure 5, Item 6).
 7. Remove six self-tapping screws (Figure 5, Item 3) from removal plate (Figure 5, Item 2).
 8. Loosen two thumbscrews (Figure 5, Item 5) and remove LT EGR core puller (Figure 5, Item 4) from LT EGR cooler core (Figure 5, Item 1).
 9. Clean anti-seize compound from threads of two thumbscrews (Figure 5, Item 5).

Instructions (cont.)

NOTE: Perform Steps 10 - 16 for installation of LT EGR cooler core.

NOTE: Before installing LT EGR core puller, make sure that EGR cooler end tubes are well lubricated using P80, and that EGR cooler core end tubes are set in EGR cooler O-rings. Housing should be no more than 10 mm away from LT EGR cooler core before installing LT EGR core puller.

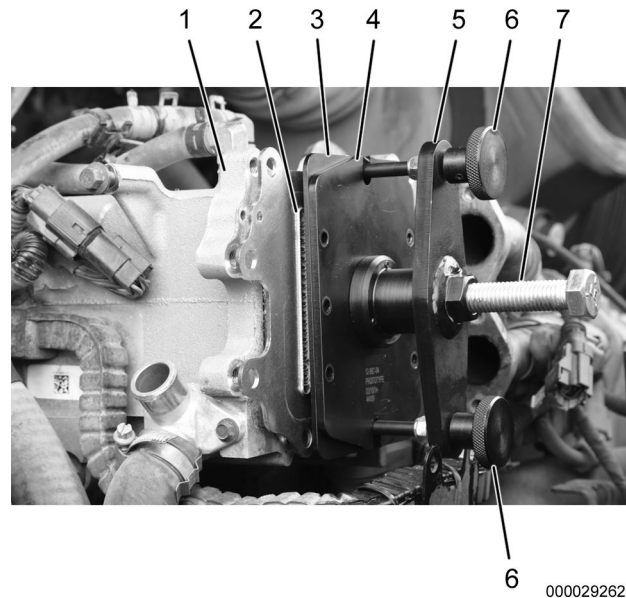


Figure 6. LT EGR Cooler Core Installation.

1. LT EGR cooler housing
2. LT EGR cooler core
3. Magnetic plate
4. Removal plate
5. LT EGR core puller
6. Thumbscrew (2)
7. LT EGR core puller removal forcing screw

NOTE: Ensure LT EGR cooler core does not shift or fall out of position during installation of LT EGR core puller.

10. Apply anti-seize compound to threads of two thumbscrews (Figure 6, Item 6).
11. Install magnetic plate (Figure 6, Item 3) onto LT EGR core puller (Figure 6, Item 5).
12. Install LT EGR core puller (Figure 6, Item 5) onto LT EGR cooler housing (Figure 6, Item 1) with two thumbscrews (Figure 6, Item 6) hand tight.
13. Tighten LT EGR core puller removal forcing screw (Figure 6, Item 7) until removal plate (Figure 6, Item 4) is flush with LT EGR cooler core (Figure 6, Item 2).

Instructions (cont.)

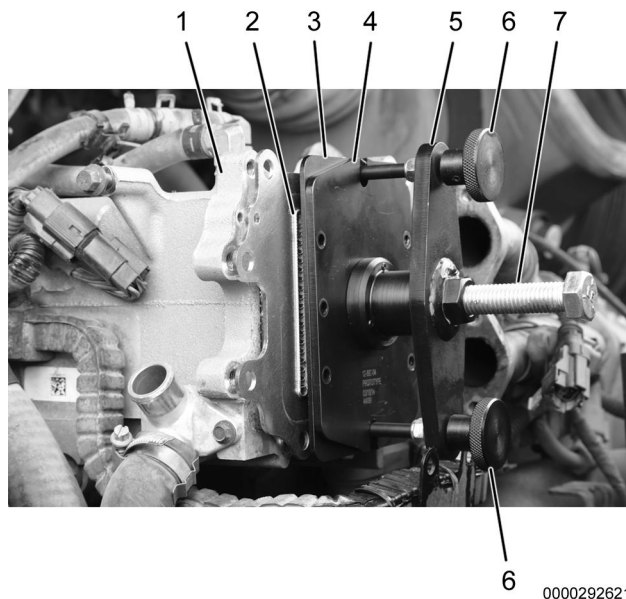


Figure 7. LT EGR Core Puller Thumbscrews – LT EGR Cooler Core Removal.

1. LT EGR cooler core
 2. LT EGR core puller
 3. Thumbscrew (2)
 4. LT EGR core puller removal forcing screw
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14. Loosen LT EGR core puller removal forcing screw (Figure 7, Item 4).
 15. Loosen two thumbscrews (Figure 7, Item 3) and remove LT EGR core puller (Figure 7, Item 2) from LT EGR cooler core (Figure 7, Item 1).
 16. Clean and store LT EGR core puller components for future use.

Instructions (cont.)

Contact Information

If you would like to order additional tools, have questions, concerns, feedback, or need replacement parts, please contact:

Navistar Service Tool Support Center

- Submit a Service Tool iKNow case file
- Phone: 800-365-0088 (Toll-Free)