



# Technical Service Bulletin

Technical Service Bulletin: TSB230228

Released Date: 07-Mar-2024

ReCon® Engines Without Electronic Control Modules (ECM)

## ReCon® Engines Without Electronic Control Modules (ECM)

### Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

### Contents

#### Product Affected

- ISX CM570
- ISX CM870
- ISX CM871
- ISX12 CM2250
- ISX12 CM2350 X102
- ISX12 G CM2180 EJ
- ISX12N CM2380 X120B
- ISX15 CM2250
- ISX15 CM2250 SN
- ISX15 CM2350 X101
- ISX15 CM2350 X105
- ISX15 CM2350 X116B
- QSX15 CM2250 ECF
- QSX15 CM570
- QSX15 CM2350 X106
- QSX15 CM2250 X115
- QSX15 CM2350 X118
- QSX15 CM570 X147G

#### Description of Change

From 01 January 2024 onwards, ReCon® engine part numbers as listed in Table 1 below, will be shipped without an ECM (engine control module).

## Reason for Change

Supply chain constraints have caused some engines to be shipped without ECMs.

## Customer Communication

Reference Table 1 for engine part numbers affected by this change.

When doing an engine exchange, the ECM from the existing engine **must** be retained to use on the new ReCon® engine.

**Table 1, Affected Engine Part Numbers**

<b>Part Description</b>	<b>Existing Engine Part Number</b>	<b>Obsolete</b>	<b>Superseded</b>	<b>New Engine Part Number</b>
ENG ISX 11.9 13 B 425 at 1800 XPI_CM2350	DR0708300RX	No	No	DR0708300RX
ENG ISX 15 13 B 450 at 1650 XPI_CM2350	DR0704600RX	No	No	DR0704600RX
ENG ISX 15 13 B 500 at 1800 XPI_CM2350	DR0707900RX	No	No	DR0707900RX
ENG ISX 15 13 B 600 at 1900 XPI_CM2350	DR0708000RX	No	No	DR0708000RX
ENG ISX 15 13 B 450 at 1800 XPI_CM2350	DR0773900RX	No	No	DR0773900RX
ENG ISX 11.9 425 at 1800 AUTOMOTIVE_ CM2250	DR0659900RX	No	Yes	DR0799200RX
ENG ISX 11.9 13 B 400 at 1800 CNG_CM2380A	DR0704500RX	No	Yes	DR0799300RX
ENG ISX 11.9 13 B 425 at 1800 XPI_CM2350	DR0708500RX	No	Yes	DR0799400RX

**Table 1, Affected Engine Part Numbers**

<b>Part Description</b>	<b>Existing Engine Part Number</b>	<b>Obsolete</b>	<b>Superseded</b>	<b>New Engine Part Number</b>
ENG ISX 11.9 13 B 400 at 1800 CNG_CM2380A	DR0768700RX	No	Yes	DR0799500RX
ENG ISX 15 02 B 400 at 1800 APX_CM570	DR0147000RX	No	Yes	DR0793800RX
ENG ISX 15 02 B 500 at 2000 APX_CM570	DR0150100RX	No	Yes	DR0793900RX
ENG ISX 15 02 B 600 at 2000 APX_CM570	DR0047200RX	No	Yes	DR0794200RX
ENG ISX 15 02 B 500 at 2000 APX_CM570	DR0624900RX	No	Yes	DR0794800RX
ENG ISX 15 02 B 565 at 2000 APX_CM570	DR0625000RX	No	Yes	DR0794900RX
ENG ISX 15 02 B 475 at 2000 APX_CM570	DR0625100RX	No	Yes	DR0795000RX
ENG ISX 15 02 B 450 at 1800 APX_CM570	DR0625500RX	No	Yes	DR0795200RX
ENG ISX 15 04 B 500 at 2000 HPI_CM870	DR0166300RX	No	Yes	DR0794000RX
ENG ISX 15 04 B 450 at 1800 HPI_CM870	DR0168000RX	No	Yes	DR0794100RX
ENG ISX 15 04 B 565 at 2000 HPI_CM870	DR0615200RX	No	Yes	DR0794600RX

**Table 1, Affected Engine Part Numbers**

<b>Part Description</b>	<b>Existing Engine Part Number</b>	<b>Obsolete</b>	<b>Superseded</b>	<b>New Engine Part Number</b>
ENG ISX 15 04 B 450 at 1800 HPI_CM871	DR0693200RX	No	Yes	DR0796300RX
ENG ISX 15 07 B 450 at 1800 HPI_CM871	DR0643600RX	No	Yes	DR0795500RX
ENG ISX 15 07 B 550 at 2000 HPI_CM871	DR0643700RX	No	Yes	DR0795600RX
ENG ISX 15 07 B 500 at 1800 HPI_CM871	DR0643900RX	No	Yes	DR0795700RX
ENG ISX 15 07 B 500 at 2000 HPI_CM871	DR0698000RX	No	Yes	DR0796500RX
ENG ISX 15 07 B 500 at 2000 HPI_CM871	DR0698500RX	No	Yes	DR0796600RX
ENG ISX 15 07 B 500 at 2000 HPI_CM871	DR0698600RX	No	Yes	DR0796700RX
ENG ISX 15 07 B 500 at 2000 HPI_CM871	DR0698700RX	No	Yes	DR0796800RX
ENG ISX 15 07 B 500 at 2000 HPI_CM871	DR0767300RX	No	Yes	DR0797800RX
ENG ISX 15 10 B 525 at 1800 XPI_CM2250	DR0658800RX	No	Yes	DR0795900RX
ENG ISX 15 10 B 400 at 1800 XPI_CM2250	DR0659000RX	No	Yes	DR0796000RX

**Table 1, Affected Engine Part Numbers**

<b>Part Description</b>	<b>Existing Engine Part Number</b>	<b>Obsolete</b>	<b>Superseded</b>	<b>New Engine Part Number</b>
ENG ISX 15 10 B 485 at 1800 XPI_CM2250	DR0659200RX	No	Yes	DR0796100RX
ENG ISX 15 10 B 450 at 1800 XPI_CM2250	DR0696900RX	No	Yes	DR0796400RX
ENG ISX 15 10 B 600 at 1800 XPI_CM2250	DR0700400RX	No	Yes	DR0797100RX
ENG ISX 15 13 B 500 at 1800 XPI_CM2350	DR0774000RX	No	Yes	DR0798300RX
ENG ISX 15 16 B 450 at 1800XPI_CM23 50A	DR0770800RX	No	Yes	DR0798000RX
ENG ISX 15 16 B 450 at 1800 XPI_CM2350A	DR0779200RX	No	Yes	DR0798600RX
ENG ISX 15 98 B 520 at 1900 APX_CM570	DR0698800RX	No	Yes	DR0796900RX
ENG ISX 15 98 B 475 at 2000 APX_CM570	DR0699200RX	No	Yes	DR0797000RX
ENG ISX 15 98 B 500 at 2000 APX_CM570	DR0702200RX	No	Yes	DR0797200RX
ENG ISX 15 98 B 600 at 2000 APX_CM570	DR0702300RX	No	Yes	DR0797300RX
ENG ISX 15 E5 B 500 at 2000 XPI_CM2250	DR0766900RX	No	Yes	DR0797600RX

**Table 1, Affected Engine Part Numbers**

<b>Part Description</b>	<b>Existing Engine Part Number</b>	<b>Obsolete</b>	<b>Superseded</b>	<b>New Engine Part Number</b>
ENG QSX 15 T1 C 440 at 2000 HPI_CM570	DR0644100RX	No	Yes	DR0795800RX
ENG QSX 15 T2 C 500 at 2100 HPI_CM570	DR0602700RX	No	Yes	DR0794300RX
ENG QSX 15 T2 C 425 at 2000 HPI_CM570	DR0602800RX	No	Yes	DR0794400RX
ENG QSX 15 T2 G 670 at 1500 HPI	DR0655300RX	No	No	DR0655300RX
ENG QSX 15 T2 G 755 at 1800 HPI	DR0655400RX	No	No	DR0655400RX
ENG QSX 15 T2 C 600 at 2100 HPCR_CM570	DR0687300RX	No	Yes	DR0796200RX
ENG QSX 15 T3 C 500 at 2100 HPI_CM570	DR0728500RX	No	Yes	DR0860800RX
ENG QSX 15 T3 C 380 at 2100 HPI_CM570	DR0615100RX	No	Yes	DR0794500RX
ENG QSX15 T3 C 530 at 1800 HPI_CM570	DR0623400RX	No	Yes	DR0794700RX
ENG QSX 15 T3 C 600 at 1800 HPI_CM570	DR0625300RX	No	Yes	DR0795100RX
ENG QSX 15 T3 C 520 at 2100 HPI_CM570	DR0633800RX	No	Yes	DR0795300RX

**Table 1, Affected Engine Part Numbers**

<b>Part Description</b>	<b>Existing Engine Part Number</b>	<b>Obsolete</b>	<b>Superseded</b>	<b>New Engine Part Number</b>
ENG QSX 15 T3 C 485 at 2000 HPI_CM570	DR0641600RX	No	Yes	DR0795400RX
ENG QSX 15 T3 C 665 at 2100 HPI_CM570	DR0766100RX	No	Yes	DR0797500RX
ENG QSX 15 T3 C 600 at 1800 HPI_CM570	DR0767000RX	No	Yes	DR0797700RX
ENG QSX15 T3 C 665 at 2100 HPI_CM570	DR0772600RX	No	Yes	DR0798200RX
ENG QSX 15 T3 C 390 at 2000 HPI_CM570	DR0779000RX	No	Yes	DR0798400RX
ENG QSX 15 T3 C 520 at 2100 HPI_CM570	DR0779100RX	No	Yes	DR0798500RX
ENG QSX 15 T4F C 600 at 2100 XPI_CM2350	DR0728300RX	No	Yes	DR0860700RX
ENG QSX 15 T4i C 580 at 2100 XPI_CM2250	DR0728700RX	No	Yes	DR0860900RX
ENG QSX 15 T4F C 600 at 2100 XPI_CM2350	DR0728800RX	No	Yes	DR0861000RX
ENG QSX 15 T4I C 550 at 2100 XPI_CM2250	DR0704700RX	No	Yes	DR0797400RX

**Table 1, Affected Engine Part Numbers**

<b>Part Description</b>	<b>Existing Engine Part Number</b>	<b>Obsolete</b>	<b>Superseded</b>	<b>New Engine Part Number</b>
ENG QSX 15 T4 C 600 at 1800 XPI_CM2250	DR0767600RX	No	Yes	DR0797900RX
ENG QSX15 T4 C 675 at 2100 XPI_CM2350	DR0772500RX	No	Yes	DR0798100RX
ENG ISX 12N 18 B 400 at 1800 CNG_CM2380A	DR0788700RX	No	Yes	DR0799600RX
ENG X15 17 B 450 at 1800 XPI (X1Non- Endurant)_CM2 350	DR0787300RX	No	Yes	DR0798700RX
ENG X15 17 B 450 at 1800 XPI (X1 - Endurant)_CM2 350	DR0787400RX	No	Yes	DR0798800RX
ENG X15 17 B 565 at 1950 XPI (X3 Non- Endurant)_CM2 350	DR0787500RX	No	Yes	DR0798900RX

When doing an engine exchange, the ECM from the existing engine **must** be retained to use on the new ReCon® engine.

### **Service Instructions**

Procedure:

- Remove ECM from the core/existing engine. See corresponding Service Manual. Reference Procedure 019-031 in Section 19.
- Install ECM on to the new ReCon® engine. See corresponding Service Manual. Reference Procedure 019-031 in Section 19.



- Once an ECM is installed, an injector reset **must** be completed with INSITE™ electronic service tool. INSITE™ electronic service tool version 7.5.3 or newer is required to complete the injector reset.
- For injector reset instructions, see corresponding Service Manual. Reference Procedure 006-026 in Section 6 (Finishing step of Service Procedure 006-026).
- Update with latest ECM calibration available. See corresponding Service Manual. Reference Procedure 019-032 in Section 19.
- Update the Engine serial number in ECM with ReCon® engine serial number.
- All affected ReCon® engines will arrive with a hang tag (see Figure 1 below) in place of the ECM. This hang tag **must** be attached to the core engine prior to being returned.

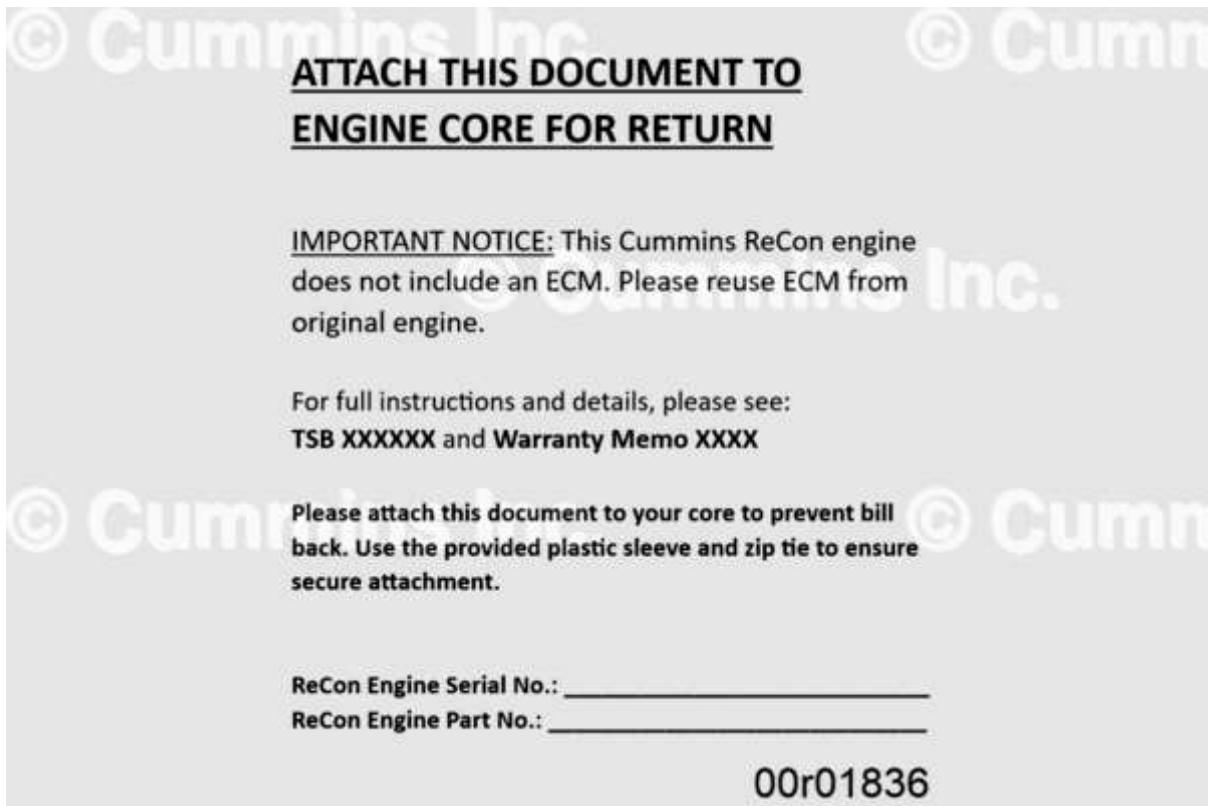


Figure 1, Hang Tag Put in Place of the ECM.

### Service Parts Availability

Service parts are available. See Table 1 for part numbers.

## Document History

Date	Details
2023-11-16	Module Created
2024-3-7	Removed DR2711600RX.

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**Last Modified: 07-Mar-2024**

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