



Service Bulletin

E251

Section

43 - Exhaust

Description

Cummins Brand Open Crankcase Ventilation Filter (OCV) Maintenance Interval

Release Date

9/9/2020

Revision History

09/25/2020 - Added link to the French customer letter.

Introduction

All chassis built with Engine Model Year 2018 through 2020 PACCAR MX-11 (built through 12/24/2019) or MX-13 engines (built through 01/17/2020), could have a mismatch between service interval required for the installed Open Crankcase Ventilation Filter (OCV) filter and the service interval shown for the OCV filter in the operator's manual.

Resolution

Information Only

The purpose of the bulletin is to inform dealers about the potential mismatch between the service interval of the installed OCV filter and the service interval published in the MX-11 and MX-13 operator's manuals. The operator's manuals only list the extended life filter service interval. A standard life interval filter may have been installed during manufacturing or during a service event.

For vehicles with a Cummins brand OCV installed, do not replace the OCV due to P1407, replace the OCV filter instead.

Parts

Parts are available from PACCAR Parts.

- Extended life service interval filters include a yellow decal to be placed on the OCV filter module to indicate an extended life interval OCV filter has been installed.
- Engines equipped with an extended life service interval filter during manufacturing have a yellow decal that has been painted over with grey engine paint.



NOTE

The standard interval filters were superseded by the extended life interval filters in Quarter 1 of 2020.

Table 1 Current Part Numbers for Extended Life service interval OCV filters

Part Number	Description
2176887PE	FILTER KIT, OCV MEDIA B, MX-13, Extended life
2176886PE	FILTER KIT, OCV MEDIA B, MX-11, Extended life

Table 2 Obsolete Part Numbers for Reference only for Standard Life service interval OCV filters

Part Number	Description
2116817PE	FILTER KIT, OCV MEDIA B, MX-13, Standard Interval
2116816PE	FILTER KIT, OCV MEDIA B, MX-11, Standard Interval

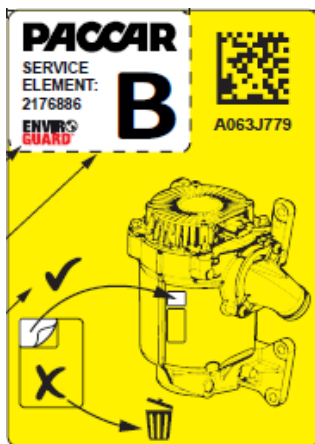
Procedure

The OCV Filter maintenance interval provided in the Engine Model Year 2018 through 2020 PACCAR MX-11 (Y53-1166-1H1 and 1J1 versions) and MX-13 Operator's Manuals (Y53-1181-1L1 and 1M1) is incorrect for the factory installed OCV (Open Crankcase Ventilation) filter. The factory installed filter was a standard life maintenance interval filter until Q1 of 2020. In Q1 of 2020, some engines were built with standard life media filters and others with extended life media filters. The interval in the Operator's Manual only shows the maintenance interval of the extended life filter.

OCV Filter maintenance intervals in RMI have been updated to match the table below.

Engines with extended life media will have the decal shown in Figure 1 on the filter housing—decals on engines built with extended life media may have been painted over with engine paint.

Figure 1



The OCV filter with **Standard Interval** media service interval MX -13, part number 2116817PE and MX -11, part number 2116816PE.

Vehicle Use	Maintenance Interval
Line Haul	Less than 20% Idle Time - 225,000 mi / 360,000 km / 6,750 hours / 36 months (3 years) Greater than 20% Idle Time -150,000 mi / 240,000 km / 4,500 hours / 24 months (2 years)
Severe Duty/Vocational	120,000 mi / 192,000 km / 3,200 hours / 24 months (2 years)
Pick-up/Delivery/Refuse	90,000 mi / 144,000 km / 1,600 hours / 12 months (1 years)

The OCV filter with **Extended Life** media service interval MX -13, part number 2176887PE and MX -11, part number 2176886PE

Vehicle Use	Maintenance Interval
Line Haul	· Less than 20% Idle Time - 375,000 mi / 600,000 km / 8,450 hours / 48 months (4 years) · Greater than 20% Idle Time -350,000 mi / 560,000 km / 7,850 hours /48 months (4 years)
Severe Duty/Vocational	180,000 mi / 290,000 km / 5,400 hours / 36 months (3 years)
Pick-up/Delivery/Refuse	125,000 mi / 200,000 km / 4,500 hours / 24 months (2 years)

Attachments

[Customer Letter](#)

[Customer Letter - French](#)

Authored by: PR

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CAMPAIGN LETTER

This notice applies to your vehicle. Your VIN(s) can be found on the bottom or back of this page.

Subject: **1) E251** Open Crankcase Ventilation (OCV) Filter Maintenance Interval
 2) E246 PACCAR MX-11/MX-13 Fuel Filter Installation

Dear Peterbilt Customer,

1) The Engine Model Year 2018 through early 2020 PACCAR MX-11/MX-13 Operator's Manual you received with your vehicle listed the **Extended Life** service interval OCV (Open Crankcase Ventilation) filter maintenance schedule, which was incorrect for your vehicle at the time. Please refer to the updated OCV filter maintenance schedule included at the bottom of this letter. Your vehicle was built with the **Standard Life** service interval filter. In mid-to-late first quarter of 2020, the **Standard Life** service interval filter was discontinued and replaced with the **Extended Life** service interval filter. The new filter is fully compatible with the OCV installed in your vehicle(s) and will match the service interval in your engine operator's manual.

2) The fuel filter installation procedure described in your engine operator's manual has been improved. Due to a design change of the fuel filter module, using the procedure in your existing operator's manual may result in damage to the lower fuel filter sealing ring. A pdf of the installation procedure is included with this letter.

A video of the updated fuel filter installation procedure is available on the PACCAR Powertrain website:

<https://paccarpowertrain.com/maintenance/#new-fuel-filter-standpipe-design>. You may also use this QR code to access the video.



An improved fuel system maintenance manual is available for you to download, at no charge, at www.peterbilt.com/resources-support/manuals-brochures.

It is our pleasure to deliver this information as part of our effort to provide the highest levels of customer satisfaction and service expertise. We value your business and appreciate your ongoing loyalty to Peterbilt and its dealer network. Industry-leading quality, performance and reliability are hallmarks of Peterbilt products, and we thank you for making Peterbilt your truck of choice.

Sincerely,

Michelle Ponsonby
Director of Customer Service
Peterbilt Motors Company

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The OCV filter with *Standard Life* service interval MX-13, part number 2116817PE / MX-11, part number 2116816PE * DISCONTINUED 2020 *****

Vehicle Use	Maintenance Interval
Line Haul	• Less than 20% Idle Time - 225,000 mi / 360,000 km / 6,750 hrs / 36 mo (3 yrs) • Greater than 20% Idle Time -150,000 mi / 240,000 km / 4,500 hrs / 24 mo (2 yrs)
Severe Duty/Vocational	120,000 mi / 192,000 km / 3,200 hrs / 24 mo (2 yrs)
Pick-up/Delivery/Refuse	90,000 mi / 144,000 km / 1,600 hrs / 12 mo (1 yrs)

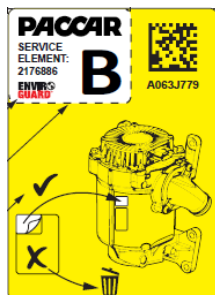
The OCV filter with *Extended Life* service interval MX-13, part number 2176887PE / MX-11, part number 2176886PE

Vehicle Use	Maintenance Interval
Line Haul	• Less than 20% Idle Time - 375,000 mi / 600,000 km / 8,450 hrs / 48 mo (4 yrs) • Greater than 20% Idle Time -350,000 mi / 560,000 km / 7,850 hrs /48 mo (4 yrs)
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Technical Information Bulletin

E251



Section

Inlet/Exhaust/Aftertreatment - 43

Subject

Cummins Brand Open Crankcase Ventilation Filter (OCV) Maintenance Interval

Release Date

9/9/2020

Condition

The Cummins brand OCV filter may be plugged sooner than the service interval provided in the Operator's manual.

P1407 may be set and diagnostics may incorrectly lead to an OCV replacement instead of a filter replacement.

Chassis Affected

All chassis built with Engine Model Year 2018 through 2020 PACCAR MX-11 built through 12/24/2019 or MX-13 engines built through 01/17/2020.

In addition, all chassis with PACCAR MX-13 engines built prior to Engine Model Year 2018 that were built with a Hengst brand OCV and has been retrofitted to the Cummins brand OCV.

Action

Information Only

The purpose of the bulletin is to inform dealers about the mismatch between the service interval of the OCV filter installed during manufacturing or installed during a service event, if the standard media filter was installed, and the service interval published in the MX-11 and MX-13 operator's manuals.

For vehicles with a Cummins brand OCV installed, do not replace the OCV due to P1407, replace the OCV filter instead.

Parts

Parts are available from PACCAR Parts.

- Extended life service interval filters include a yellow decal to be placed on the OCV filter module to indicate an extended life interval OCV filter has been installed.
- Engines equipped with an extended life service interval filter during manufacturing have a yellow decal that has been painted over with grey engine paint.



NOTE

The standard interval filters were superseded by the extended life interval filters in Q1 of 2020.

Table 1 **Current Part Numbers for *Extended Life* service interval OCV filters**

Part Number	Description
2176887PE	FILTER KIT, OCV MEDIA B, MX-13, Extended life
2176886PE	FILTER KIT, OCV MEDIA B, MX-11, Extended life

Table 2 **Obsolete Part Numbers for Reference Only for *Standard Life* service interval OCV filters**

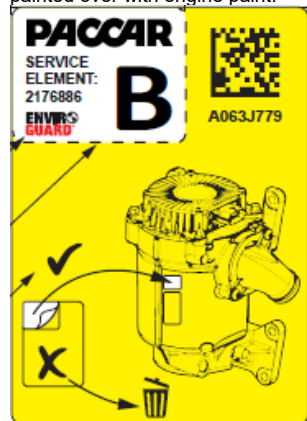
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Procedure

The OCV Filter maintenance interval provided in the Engine Model Year 2018 through 2020 PACCAR MX-11 (Y53-1166-1H1 and 1J1 versions) and MX-13 Operator's Manuals (Y53-1181-1L1 and 1M1) is incorrect for the factory installed OCV (Open Crankcase Ventilation) filter. The factory installed filter was a standard life maintenance interval filter until Q1 of 2020. In Q1 of 2020, some engines were built with standard life media filters and others with extended life media filters. The interval in the Operator's Manual only shows the maintenance interval of the extended life filter.

OCV Filter maintenance intervals in RMI have been updated to match the table below.

Engines with extended life media will have this decal installed on the filter housing—decals on engines built with extended life media may have been painted over with engine paint.



The OCV filter with **Standard Interval media service interval** MX-13, p/n 2116817PE and MX-11, p/n 2116816PE

Vehicle Use	Maintenance Interval
Line Haul	Less than 20% Idle Time - 225,000 mi / 360,000 km / 6,750 hrs / 36 mo (3 yrs) Greater than 20% Idle Time - 150,000 mi / 240,000 km / 4,500 hrs / 24 mo (2 yrs)
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Authored by: OF

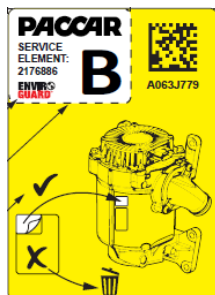
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For vehicles with a Cummins brand OCV installed, do not replace the OCV due to P1407, replace the OCV filter instead.

Parts

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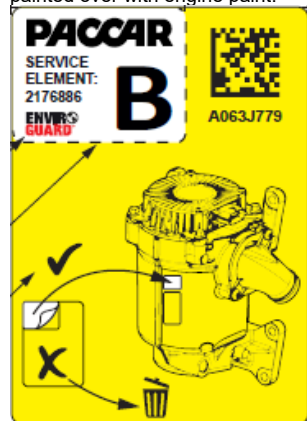
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The OCV filter with **Standard Interval media service interval** MX-13, p/n 2116817PE and MX-11, p/n 2116816PE

Vehicle Use	Maintenance Interval
Line Haul	Less than 20% Idle Time - 225,000 mi / 360,000 km / 6,750 hrs / 36 mo (3 yrs) Greater than 20% Idle Time - 150,000 mi / 240,000 km / 4,500 hrs / 24 mo (2 yrs)
Severe Duty/Vocational	120,000 mi / 192,000 km / 3,200 hrs / 24 mo (2 yrs)
Pick-up/Delivery/Refuse	90,000 mi / 144,000 km / 1,600 hrs / 12 mo (1 yrs)

The OCV filter with **Extended Life media service interval** MX-13, p/n 2176887PE and MX-11, p/n 2176886PE

Vehicle Use	Maintenance Interval
Line Haul	• Less than 20% Idle Time - 375,000 mi / 600,000 km / 8,450 hrs / 48 mo (4 yrs) • Greater than 20% Idle Time -350,000 mi / 560,000 km / 7,850 hrs /48 mo (4 yrs)
Severe Duty/Vocational	180,000 mi / 290,000 km / 5,400 hrs / 36 mo (3 yrs)
Pick-up/Delivery/Refuse	125,000 mi / 200,000 km / 4,500 hrs / 24 mo (2 yrs)

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LETTRE DE CAMPAGNE

Cet avis concerne votre véhicule. Votre(vos) NIV(s) se trouve(nt) au verso ou au bas de la présente.

Objet : **1) E251** – Intervalle d'entretien du filtre d'ouverture de ventilation du carter (OCV)
2) E246 – Installation du filtre à carburant sur MX-11/MX-13 de PACCAR

Cher client Peterbilt,

1) Le manuel de l'opérateur, pour les moteurs de modèles MX-11/MX-13 de PACCAR des années 2018 jusqu'au début de 2020, que vous avez reçu avec votre véhicule indiquait le calendrier d'intervalle de service d'entretien du filtre OCV (ouverture de ventilation du carter) à **durée de vie prolongée**, ce qui était inapproprié pour votre véhicule à ce moment-là. Veuillez vous référer au calendrier mis à jour pour l'entretien du filtre OCV apparaissant au bas de la présente. Votre véhicule a été construit nécessitant l'intervalle d'entretien du filtre à **durée de vie standard**. Depuis la moitié et jusqu'à la fin du premier trimestre de l'année 2020, l'intervalle d'entretien du filtre à **durée de vie standard** a été discontinué et remplacé par l'intervalle d'entretien du filtre à **durée de vie prolongée**. Le nouveau filtre est totalement compatible avec l'OCV installé dans votre(vos) véhicule(s) et correspondra à l'intervalle de service de votre manuel de l'opérateur relatif au moteur.

2) La procédure d'installation du filtre à carburant décrite dans votre manuel de l'opérateur relatif au moteur a été améliorée. Suite à un changement de design du module du filtre à carburant, l'utilisation de la procédure décrite dans votre manuel de l'opérateur existant pourrait occasionner des dommages au joint d'étanchéité inférieur du filtre à carburant. Un PDF de la procédure d'installation est inclus à la présente.

Une vidéo de la procédure d'installation du filtre à carburant amélioré est disponible sur le site Web du groupe motopropulseur de PACCAR : <https://paccarpowertrain.com/maintenance/#new-fuel-filter-standpipe-design>. Vous pouvez également utiliser ce code à barres afin d'accéder à la vidéo.



Un manuel d'entretien du circuit d'alimentation amélioré est disponible pour téléchargement, sans frais, sur www.peterbilt.com/resources-support/manuals-brochures.

Il nous fait plaisir de vous livrer cette information témoignant de l'effort que nous mettons à offrir les plus hauts niveaux de satisfaction de la clientèle et d'expertise de service. Nous apprécions votre entreprise ainsi que votre constante fidélité envers Peterbilt et son réseau de concessionnaires. Les produits Peterbilt se distinguent en étant leader de l'industrie en matière de qualité, performance et fiabilité et nous vous remercions de faire d'un Peterbilt votre camion préféré.

Salutations,

Michelle Ponsonby
Directrice du service à la clientèle
Peterbilt Motors Company

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Intervalle de service du filtre OCV à durée de vie standard sur MX-13, numéro de pièce 2116817PE / MX-11, numéro de pièce 2116816PE * DISCONTINUÉ EN 2020 *****

Utilisation du véhicule	Intervalle d'entretien
Transport de longue distance	• Moins de 20% de temps au ralenti - 360,000 km / 6,750 hrs / 36 mo (3 ans) • Plus de 20% de temps au ralenti - 240,000 km / 4,500 hrs / 24 mo (2 ans)
Service sévère/À usage spécifique	192,000 km / 3,200 hrs / 24 mo (2 ans)
Cueillette/livraison/ordures	144,000 km / 1,600 hrs / 12 mo (1 an)

Intervalle de service du filtre OCV à durée de vie prolongée sur MX-13, numéro de pièce 2176887PE / MX-11, numéro de pièce 2176886PE

Utilisation du véhicule	Intervalle d'entretien
Transport de longue distance	• Moins de 20% de temps au ralenti - 600,000 km / 8,450 hrs / 48 mo (4 ans) • Plus de 20% de temps au ralenti - 560,000 km / 7,850 hrs / 48 mo (4 ans)
Service sévère/À usage spécifique	290,000 km / 5,400 hrs / 36 mo (3 ans)
Cueillette/livraison/ordures	200,000 km / 4,500 hrs / 24 mo (2 ans)