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› PACCAR Filter Service Kit MX-13 EPA13: Installation and Maintenance Manual (Model 1714364)

## PACCAR 1714364

# PACCAR Filter Service Kit MX-13 EPA13: Installation and Maintenance Manual

Model: 1714364

## 1. INTRODUCTION

This manual provides essential information for the proper installation and maintenance of the PACCAR Filter Service Kit, designed for MX-13 EPA13 engines. Adhering to these instructions ensures optimal performance and longevity of your engine's filtration system. This kit is intended for use by qualified personnel or individuals with appropriate mechanical knowledge.



Image 1.1: Overview of the PACCAR Filter Service Kit (Model 1714364) components.

## 2. PRODUCT COMPONENTS

The PACCAR Filter Service Kit (Model 1714364) includes the following genuine PACCAR parts:

- **(1) 1948921G Oil Filter Element:** Primary oil filtration.
- **(1) 2277129G Fuel Filter Element:** Fuel system filtration.
- **(1) 1922496 Oil Filter Element Centrifugal:** Secondary oil filtration for fine particles.
- **(1) 1982821 Drain Tap-Plug:** For oil pan drainage.



Image 2.1: PACCAR 1948921G Oil Filter Element.



Image 2.2: PACCAR 2277129G Fuel Filter Element.



Image 2.3: PACCAR 1922496 Centrifugal Oil Filter Element (shown in packaging).



Image 2.4: PACCAR 1982821 Drain Tap-Plug.

### 3. INSTALLATION INSTRUCTIONS

**Safety First:** Always ensure the engine is off, cool, and the vehicle is properly secured before beginning any service. Wear appropriate personal protective equipment (PPE) such as gloves and eye protection. Refer to your vehicle's specific service manual for detailed, model-specific procedures and torque specifications.

#### 3.1. Oil Filter Element Replacement (1948921G & 1922496)

1. Locate the primary and centrifugal oil filter housings on your MX-13 EPA13 engine.
2. Place a suitable drain pan beneath the oil filter housings to catch any residual oil.
3. Carefully remove the old oil filter elements according to your vehicle's service manual. Be prepared for oil

spillage.

4. Clean the filter housing and sealing surfaces thoroughly.
5. Lightly lubricate the new filter element O-rings with clean engine oil.
6. Install the new PACCAR 1948921G primary oil filter element and 1922496 centrifugal oil filter element into their respective housings.
7. Tighten the filter housings to the torque specifications provided in your vehicle's service manual. Overtightening can damage the housing or seals.

### 3.2. Fuel Filter Element Replacement (2277129G)

1. Locate the fuel filter housing on your MX-13 EPA13 engine.
2. Place a suitable container beneath the fuel filter housing to collect any spilled fuel.
3. Carefully remove the old fuel filter element. Note that fuel systems may be under pressure; consult your vehicle's manual for depressurization procedures.
4. Clean the filter housing and sealing surfaces.
5. Lightly lubricate the new filter element O-rings with clean diesel fuel or a suitable lubricant.
6. Install the new PACCAR 2277129G fuel filter element into its housing.
7. Tighten the filter housing to the torque specifications provided in your vehicle's service manual.
8. After installation, prime the fuel system as per your vehicle's manual to remove air.

### 3.3. Drain Tap-Plug Replacement (1982821)

1. During an oil change, after draining the old oil, remove the existing drain plug.
2. Ensure the oil pan drain port is clean.
3. Install the new PACCAR 1982821 Drain Tap-Plug.
4. Tighten the drain plug to the torque specifications provided in your vehicle's service manual. Do not overtighten.

## 4. POST-INSTALLATION CHECKS

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After replacing the filters and drain plug, perform the following checks:

- **Fluid Levels:** Check and replenish engine oil and ensure the fuel tank has sufficient fuel.
- **Leak Inspection:** Start the engine and allow it to run for a few minutes. Carefully inspect all new filter installations and the drain plug for any signs of leaks.
- **Warning Lights:** Ensure no engine warning lights related to oil pressure or fuel system issues are illuminated on the dashboard.
- **Test Drive:** Perform a short test drive to confirm normal engine operation. Re-check for leaks after the test drive.

## 5. MAINTENANCE

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Regular replacement of oil and fuel filters is crucial for maintaining engine health and efficiency. Refer to your vehicle's manufacturer service schedule for recommended replacement intervals. Factors such as operating conditions, fuel quality, and oil type can influence filter life.

Always use genuine PACCAR replacement parts to ensure compatibility and performance.

## 6. TROUBLESHOOTING

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If you encounter issues after filter replacement, consider the following:

- **Leaks:** Re-check filter housing and drain plug torque. Inspect O-rings for proper seating or damage.
- **Engine Not Starting (Fuel Filter):** Ensure the fuel system has been properly primed to remove all air. Check for loose fuel lines.
- **Low Oil Pressure Warning:** Verify engine oil level. Ensure oil filter elements are correctly installed and housings are sealed.
- **Unusual Engine Noise:** Stop the engine immediately and investigate. This could indicate a serious issue.

For persistent problems, consult a certified PACCAR service technician or your vehicle's service manual.

## 7. SPECIFICATIONS

| Attribute            | Detail                                 |
|----------------------|----------------------------------------|
| Brand                | PACCAR                                 |
| Model Number         | 1714364                                |
| Vehicle Service Type | Truck (MX-13 EPA13 Engines)            |
| Product Grade        | Replacement Part                       |
| Number of Items      | 1 (Kit containing multiple components) |
| Automotive Fit Type  | Vehicle Specific Fit                   |

## 8. WARRANTY AND SUPPORT

For warranty information regarding genuine PACCAR parts, please refer to the official PACCAR warranty documentation or contact your authorized PACCAR dealer. For technical support or inquiries, please reach out to the seller or an authorized PACCAR service center.

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