

DECS Component Swapping and Re-designation Practices and Procedures for RYPOS Inc. DPF/ULETRU™

July 12, 2017

These practices and procedures for component swapping and re-designation have been approved by the California Air Resources Board (ARB) under Section 2706(i) of the *Verification Procedure, Warranty, and In-Use Compliance Requirements for In-Use Strategies to Control Emissions from Diesel Engines* at title 13, Code of California Regulations (CCR). Any changes or deviations from these practices and procedures must be approved in advance by ARB.

1. DECS Component Swapping

“Component swapping” means the movement of designated parts between different vehicles/applications utilizing the same diesel emission control strategy (DECS). Component swapping is only allowed under the following terms and conditions:

- The owner of the DECS must receive written authorization from RYPOS Inc. allowing component swapping.
- [Unless otherwise specified] Component swapping only applies to the filter module component of the RYPOS Inc. DPF/ULETRU™.
- Components that are swapped between DECS must have a label with the appropriate part number and a serial number.
- Swapped filter modules must be properly maintained as specified in the RYPOS Inc. DPF/ULETRU™ owner’s manual.
- Components that are swapped between DECS must be identical and have the same part number
- The donor and recipient DECS systems must share a common family name verified under Executive Order DE-16-001.
- RYPOS Inc. shall provide instructions to the installer to conduct an appropriate pre-installation compatibility (PIC) assessment to verify that the recipient engine meets the terms and conditions of the verification Executive Order. This PIC shall be approved by ARB as part of approval of this Practices and Procedures. This PIC may include all or part of the PIC that was approved as part of the original verification.
- RYPOS Inc. must provide detailed written instructions in the owner’s manual and installation manual on the installation and reinstallation practices required in the swapping of filter modules and the possible repercussions to the end user if such practices are done in an inappropriate manner.

- RYPOS Inc. must provide written instructions for assessing if the DPF/ULETRU™ that is swapped still meets the verified emissions reductions. These instructions must be included on the recordkeeping forms that are provided to installers that swap filter modules.
- The donor TRU/engine whose filter module has been removed must remain in compliance with the terms and conditions of the applicable Executive Order and have all DECS components present and functional.
- The swapped filter module must be installed by the procedure described within the RYPOS Inc. DPF/ULETRU™ Owner's and Installation Manuals or an addendum to those manuals.
- RYPOS Inc. must honor the original product warranty and warranty period and not include any prohibitions or limitations to the required warranty (Sections 2706(i) and 2707), nor can the instructions direct the owner of the DECS to conduct any activity which violates the terms of the governing verification or any other applicable regulation.
- The installer must honor the original installation warranty and warranty period (see section 2707). If the installer of the swapped filter is not the same as the installer who did the original installation of the DECS, the new installer must assume the installation warranty responsibilities defined in Section 2707 for the remainder of the original warranty period or until another installer swaps the filter module again. If the original installation warranty has expired or has less than one year remaining, the installer must issue a new warranty to guard against potential installation defects. The new installation warranty must meet the requirements of Section 2707 except that the minimum period is reduced to one year from the date of installation. Any transfer of a DECS by an installer that does not offer this installation warranty is not considered a valid installation.
- RYPOS Inc. must maintain accurate records of the companies, TRUs, engines, DECSs, and filter modules involved in their component swapping program. RYPOS Inc. shall provide recordkeeping forms to authorized installers and authorized self-service customers that must be filled out when a component is swapped. The forms and records must be designed to collect information needed to track filter modules and show that the installer has confirmed that all of the terms and conditions, and warranty commitments of this component swapping program are met for each swapped filter module. RYPOS Inc. must provide these records within 30 days of the written request by ARB.
- No party shall advertise, sell, lease, or offer for sale or lease a used verified RYPOS Inc. DPF/ULETRU™ or component.

2. DECS Re-Designation

“Re-designation” means the removal, within the same common ownership fleet, of a complete used verified DECS from an appropriate engine in a vehicle/application and re-installation to another appropriate engine in a vehicle/application that meets the terms and conditions of the DECS Executive Order. Re-designation applies to the entire system, not component parts. Re-designation of a RYPOS Inc. DPF/ULETRU™ is permitted only under the following terms and conditions:

- The re-designated RYPOS Inc. ULETRU™ must belong to a verified configuration covered under Executive Order DE-16-001.
- The owner of the DECS must receive written authorization from RYPOS Inc. allowing the practice.
- RYPOS Inc. must maintain accurate records of the companies, TRUs, engines, DECSs, and filter modules involved in their DECS re-designation program. RYPOS Inc. shall provide recordkeeping forms to authorized installers and authorized self-service customers that must be filled out when a DECS is re-designated. The forms and records must be designed to collect information needed to show that the installer has confirmed that all of the terms and conditions, and warranty commitments of this re-designation program are met for each re-designated DECS and direct the installer to email the form to arber@arb.ca.gov. RYPOS Inc. must provide records within 30 days of a written request by ARB.
- The re-designation must be performed by RYPOS Inc. or an authorized installer.
- Re-designation must occur within the same common ownership fleet.
- The system must not be more than ten years old, based on the date of manufacture listed on the system label. Re-designation of devices of unknown age is prohibited.
- RYPOS Inc. shall provide instructions to the installer to conduct the pre-installation compatibility (PIC) assessment that was approved as part of the original DECS verification to verify that the recipient engine meets the terms and conditions of the verification Executive Order. This PIC shall be incorporated into the approved Practices and Procedures.
- RYPOS Inc. must provide detailed written instructions in the owner’s manual and installation manual, or in an addendum to the owner and installation manuals, on the installation and reinstallation practices required for appropriate re-designation and possible repercussions to the end user if such practices are done in an inappropriate manner.
- Any party which removes a verified RYPOS Inc. DPF/ULETRU™ from an engine/application must remove the verified DECS engine label. If the engine label cannot be removed whole, it must be destroyed.

- Any party which re-designates a verified RYPOS DPF/ULETRU™ to another engine/application which was never previously retrofit with that exact RYPOS Inc. DPF/ULETRU™ must obtain and properly install an appropriate DECS engine label.
- Any party which removes a verified RYPOS Inc. DPF/ULETRU™ from TRU/engine must ensure the TRU/engine returns to its original factory configuration.
- RYPOS Inc. must provide written instructions for assessing if the RYPOS Inc. DPF/ULETRU™ still meets its verified emissions reductions.
- The installation of the re-designated system must be performed according to the procedures listed in the RYPOS Inc. DPF/ULETRU™ installation manual, or an addendum to the installation manual.
- A DECS installed on a TRU that is repowered may remain installed provided:
 - The replacement engine meets all the terms and conditions of the governing Executive Order series DE-16-001,
 - The RYPOS Inc. DPF/ULETRU™ is not more than ten years old (based on the date and month of manufacture) and,
 - The appropriate DECS engine label shall be affixed on a visible location on the replacement engine.
- RYPOS Inc. must honor the original product warranty and warranty period (see section 2702 and 2707). RYPOS Inc. may not include any prohibitions or limitations to the required warranty (Section 2706(i)(3)(F) and 2707), nor can the instructions direct the owner of the DECS to conduct any activity which violates the terms of the governing Executive Order series or any other applicable regulation.
- The installer must honor the original installation warranty and warranty period (see section 2707). If the installer of the re-designated RYPOS Inc. DPF/ULETRU™ is not the same as the installer who did the original installation of the DECS, the new installer must assume the installation warranty responsibilities defined in Section 2707 for the remainder of the original warranty period or until another installer re-designates the system. If the original installation warranty has expired or has less than one year remaining, the installer must issue a new warranty to guard against potential installation defects. The new installation warranty must meet the requirements of Section 2707 except that the minimum period is reduced to one year from the date of installation. Any transfer of a re-designated diesel emissions control strategy by an installer that does not offer this installation warranty is not considered a valid installation.
- No party shall advertise, sell, lease, or offer for sale or lease a used verified RYPOS Inc. DPF/ULETRU™ or component.