

# Common Rail Systems : Warranty

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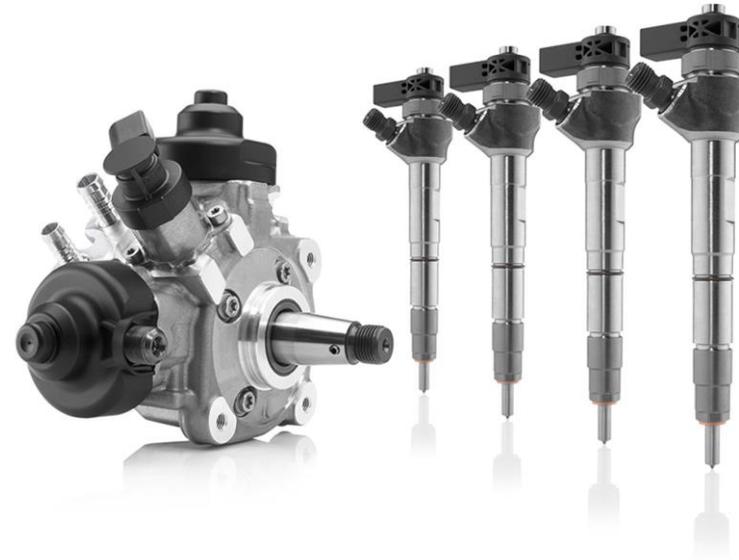
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Fitment Instructions

Warranty Handling



## Common Rail Systems : Warranty

### Definition

## Limited Warranty

“Jaeco Warrants To The Original Purchaser Of Its Services & Rebuild Products That Such Services & Rebuild Products Will, During The Warranty Period And Subject To The Limitations And Exclusions, Comply With All Applicable Specifications And Be Free From Defects In Materials And Workmanship.”

“Warranty Does Not Means Guarantee”

## Common Rail Systems : Warranty

### Liability

## Limited Liability

- The Warranty Would Be Subject To Carrying Out Of All Service As Per The Recommended Periodicity And Schedule As Applicable To OE Engines. Proof Would Be Required At Time Of Warranty Claim On Vehicle Service History. Special Emphasis Is Placed Upon Oil Change Intervals, Oil Filter Replacement And Engine Oil Quality.
- The Warranty Would Be Subject To Proper Fitment Procedure. Failure Due To Operational Reasons I.E. Misuse / Improper Handling, Accident, Fire , Water Entry Are Not Covered Under Warranty.
- No Liabilities Will Be Accepted For The Damage Caused Due To The Following Reasons :
  - a. The Unsuitable Or Improper Use Of Product.
  - b. Faulty Storage.
  - c. Faulty Erection Or Commissioning By The Purchaser Or Third Parties.
  - d. Modification Of Fuel Line , Air Line , Oil Line.
  - e. Faulty Fuel Line , Air Line , Oil Line.
  - f. Rusty Pipes.
  - g. Non Genuine Filter.

## Common Rail Systems : Warranty

### Liability

## Limited Liability

- In The Event Of A Justifiable Complaint, We Reserve The Right Of Repairing The Turbocharger By Replacing Loose Components Rather Than Replacing The Complete Unit. The Repairing Will Be Carried Out By Jaeco Rebuilding Systems Pvt. Ltd. Or By Authorized Representative.
- We Will Not Accept Any Liability Arising From An Incorrect Modification Or Maintenance Work Carried Out By The Purchaser Or Third Party Without Our Prior Consent As Well As Any Maintenance Work Carried Out Other Than At Jaeco Rebuilding Systems Pvt. Ltd
- We Will Not Be Liable For Any Claims Against Damage To Engine, Engine Parts, Vehicle Or Vehicle Parts As Consequence Of The Failure Of The Unit.
- All Legal Disputes Are Subject To Chandigarh Jurisdiction Only.
- We Will Not Accept In Charges Related To Installation Or Removing Of Unit For Warranty Purposes , Nor Any Charges For Logistics Involved For Warranty Settlement

## Common Rail Systems : Warranty

### Combustion Residue Outside Of Injectors

Injector incorrectly installed (tightened or twisted on one side) , No sealing ring ,  
Inadequate tightening torque when installed

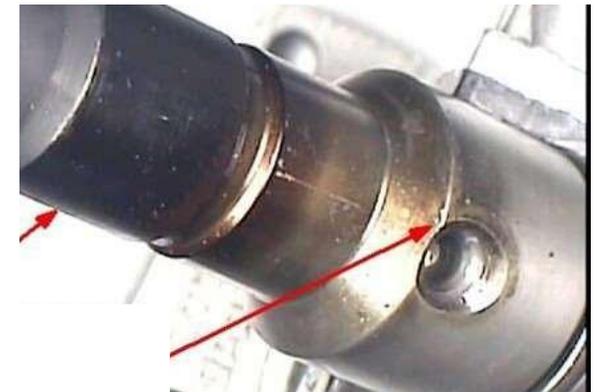
Liability

Limited Liability

Warranty To Be Rejected If



Improper Tightening



Compression Leakage

# Common Rail Systems : Warranty

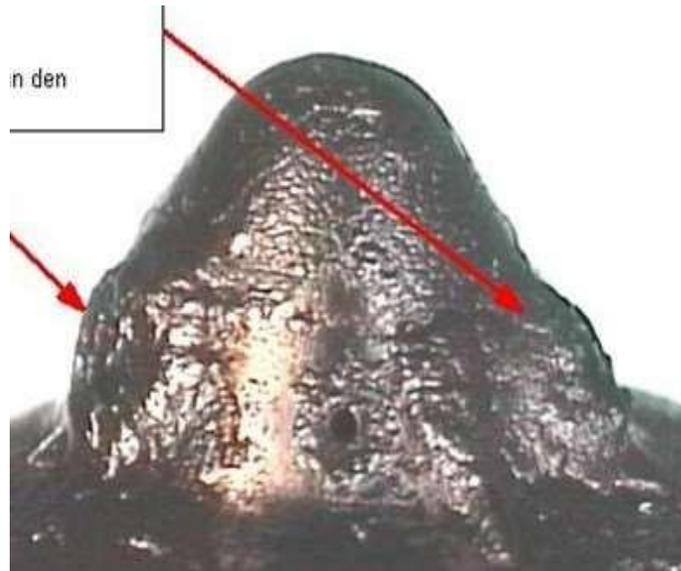
## Thermal Overload Or Injection Bore Burnt

Diesel tuning , Incorrect or non-approved additives in fuel , Engine oil in intake system , Oil thinning , Biodiesel

Liability

Limited Liability

Warranty To Be Rejected If



Oil In Intake System / Diesel Tuning



Bio Diesel

## Common Rail Systems : Warranty

### Thermal Overload Or Needle Seat Worn

Diesel tuning , Incorrect or non-approved additives in fuel , Engine oil in intake system , Oil thinning , Biodiesel

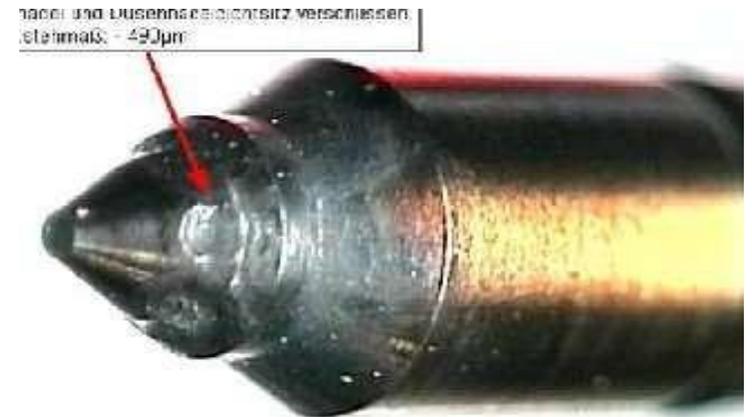
Liability

### Limited Liability

Warranty To Be Rejected If



Oil In Intake System / Diesel Tuning



Bio Diesel

## Common Rail Systems : Warranty

### Nozzle Tip Melted Or Burnt

Diesel tuning , Incorrect or non-approved additives in fuel , Engine oil in intake system , Oil thinning , Biodiesel , Aluminum Deposits In Nozzle Shaft

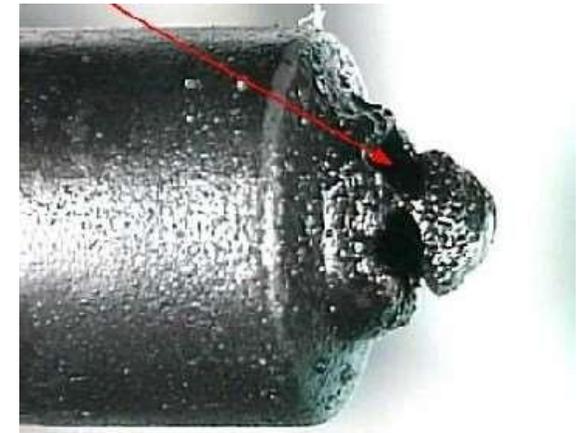
Liability

Limited Liability

Warranty To Be Rejected If



Foreign Object In Nozzle Shaft



Incorrect Fuel Type

## Common Rail Systems : Warranty

### Blue Tint Or Tarnished Nozzle Shaft

Diesel Tuning , Incorrect Or Non-approved Additives In Fuel , Engine Oil In Intake System , Oil Thinning , Biodiesel , Aluminum Deposits In Nozzle Shaft

Liability

Limited Liability

Warranty To Be Rejected If



Thermal Overload



Tarnished Shaft

# Common Rail Systems : Warranty

## Foreign Particle In Combustion Chamber

Mechanical Damage To The Nozzle

Liability

Limited Liability

Warranty To Be Rejected If



Foreign Particle In Combustion Chamber

# Common Rail Systems : Warranty

## Liability

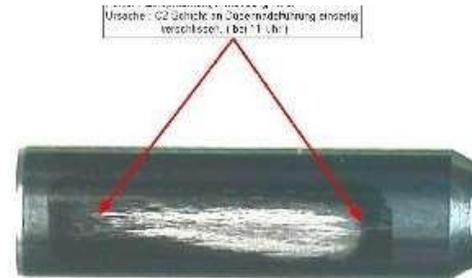
### Limited Liability

### Warranty To Be Rejected If



## Wear Of Needle Shaft

Ultra fine particles in fuel



Ultra fine particles in fuel

# Common Rail Systems : Warranty

## Circumferential Wear Of Valve Piston

Poor, Abrasive Fuel (Particles) , Poor, Inadequate Filtration

Liability

Limited Liability

Warranty To Be Rejected If



Poor, abrasive fuel (particles) , Poor/inadequate filtration

# Common Rail Systems : Warranty

Liability

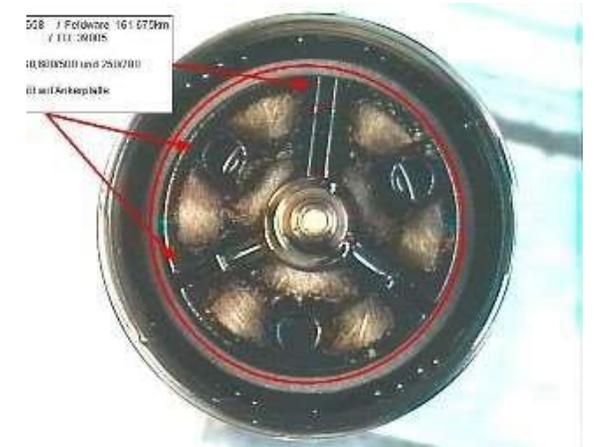
Limited Liability

Warranty To Be Rejected If



## Oil Deposits In Interior

Engine Oil In Fuel System , Leak In Engine Oil Lubricated CP , Leak On Fuel Return Side Of Cylinder Head (CRIN)



Sluggish Valve Piston Or Nozzle Needle

# Common Rail Systems : Warranty

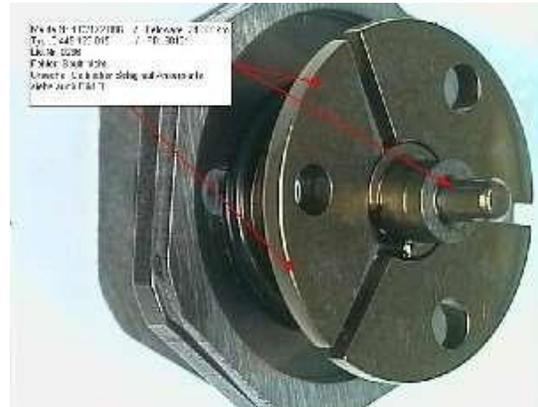
## Poor Or Adulterated Fuel

Engine Oil In Fuel System , Incorrect Or Non-approved Additives In Fuel

Liability

Limited Liability

Warranty To Be Rejected If



Sluggish Valve Piston Or Nozzle Needle

# Common Rail Systems : Warranty

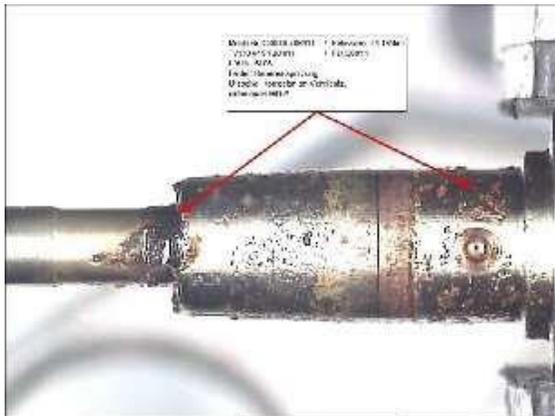
## Poor Or Adulterated Fuel Or Water In Fuel

Engine Oil In Fuel System , Incorrect Or Non-approved Additives In Fuel Or Water In Fuel

Liability

Limited Liability

Warranty To Be Rejected If



Sluggish Valve Piston Or Nozzle Needle

# Common Rail Systems : Warranty

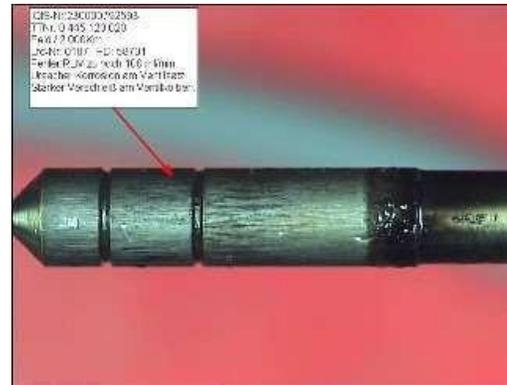
## Poor Or Adulterated Fuel Or Water In Fuel

Engine Oil In Fuel System , Incorrect Or Non-approved Additives In Fuel Or Water In Fuel , Inadequate Filtration, Poor Filter Quality Or Filter Service Life Exceeded

Liability

### Limited Liability

### Warranty To Be Rejected If



Sluggish Valve Piston Or Nozzle Needle

## Common Rail Systems : Warranty

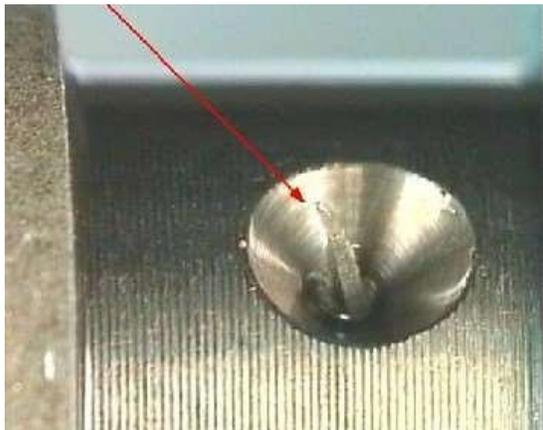
### Foreign Particle In Interior Of Injectors

Filter Element Contaminated With Loose Particles , Incorrect Filter Installation , Dirt Present When Installing Injector Or Pipes

Liability

Limited Liability

Warranty To Be Rejected If



Sluggish Valve Piston Or Nozzle Needle

# Common Rail Systems : Warranty

## Erosion Of Valve Seat

Filter Element Contaminated With Loose Particles , Incorrect Filter Installation , Dirt Present When Installing Injector Or Lead

Liability

Limited Liability

Warranty To Be Rejected If



Beyond Repair Damage To Valve Seat

# Common Rail Systems : Warranty

## External Damage

External Damage Of Unit Body Or Sensor In Any Form

Liability

Limited Liability

Warranty To Be Rejected If



External Damage

# Common Rail Systems : Warranty

## Incomplete Unit

Incomplete Unit Or Temperedness In Any Form

Liability

Limited Liability

Warranty To Be Rejected If



Tampered Cases



## Common Rail Systems : Warranty

### Internal Damage Magnet Assembly

Engine Oil In Fuel System , Incorrect Or Non-approved Additives In Fuel Or Water In Fuel

Liability

Limited Liability

Warranty To Be Rejected If



Internal Damage To Sensor Area

## Common Rail Systems : Warranty

### Electrical Failure

Short Circuit Sensors , Engine Oil In Fuel System , Incorrect Or Non-approved Additives In Fuel Or Water In Fuel

Liability

Limited Liability

Warranty To Be Rejected If



# Common Rail Systems : Warranty

## Fitment Instructions

99% Of Common Rail Systems Failure Is Due To The Fuel Quality. Here Is A Guide To Help Prevent Future Problems With Your Diesel System Of The Vehicle.

Fitment Instructions

Limited Liability

Warranty Only If

Always New



# Common Rail Systems : Warranty

## Before Installation

Fitment Instructions

Limited Liability

Warranty Only If

- **Diagnose And Solve The Reason For The Failure Of The Fuel System (Possibly A Fault On Or Around Engine).**
- Compare Fuel System Model Number With The Engine Specifications And The Fuel System Manufacturer's Model Number.
- **Fitting Must Take Place In A Safe , Clean Environment**
- To Start, Check There's No Residual Pressure Left In The System Using A Diagnostic Tool.
- Check High Pressure Pump Gear Is Okay
- Torque Fasteners As Specified By The Engine And Vehicle Manufacturer.
- **Make Sure The Flanges And Threads Are Free Of Damage, Debris And Wear**
- **Use Only Brand New Gaskets And Seals.**
- Diesel Taken To Be Checked For Contamination/Blockage.
- Fuel In Taken To Replaced With New When Water , Or Any Adulteration Is Found.
- Injector Seat Is Clean Of Carbon And Debris And Injector Washers.
- High Pressure Pipes Are To Be Replaced With New.
- Battery To Be Properly Charged.
- No Damage To Ecu Or Wiring Should Be There.
- High Pressure Pump Mounting Plate Is To Be Checked For Wear And Tear Or Cracks.
- All Low Pressure Pipes Lines Are To Be Flushed.
- **Feed Pump Performance To Be Checked**
- **New Water Separator To Be Fitted If Available**
- **New Diesel Filter To Be Fitted.**
- **Rail High Pressure Pipe Seating Area Is To Be Checked For Damages , Debris , Rust.**

## Common Rail Systems : Warranty

## During Installation

Fitment Instructions

Limited Liability

Warranty Only If

- **Proper Torque Is To Be Given To High Pressure Pipes.**
- Attention Paid To Correct Handling.
- Prior To Fitting The Replacement Injector, It's Important To Note The New Correction Code.
- Remove The Protection Cap From The Nozzle And Slide The New Injector Carefully Into Position.
- **Bleed Air From The Fuel System**
- **Ensure The Fuel Tank Has Minimum 30% Fuel Of Total Capacity Of The Tank, When Starting Vehicle For The First Time After Refurbishment/Repair.**
- **Before Injector Fitment Check The HPP IMV And Common Rail Sensor For Metal Chips. If The Same Is Seen, Stop The Fitment And Firstly Get The HPP And Common Rail Checked.**

## After Installation

- **Idle For Approximately 120 Seconds After Engine Is Running**
- During Idling: All Connections (Air, Exhaust, Water And Oil) Checked For Firm Seating, Tightness And Free Of Leaks, Gas-tightness Checked With Soapy Water If Necessary
- Reprogram The ECU With The New Correction Code Using A Diagnostic Tool. This Will Ensure That The Adjustment To The Pulse Times Is Made And The Correct Fuel Delivery Is Maintained.
- **Clear All Error Codes That Have Come During Fitment**

# Common Rail Systems : Warranty

## Warranty Handling

## Limited Liability

In Case Of Unit Failure The Following Process Is To Be Followed For Warranty Claims

- Customer To Send Vehicle Service History Along With Details Required In The Prescribed Format.
- Details Received To Be Reviewed By The Warranty Team.
- Based On The Details Received Warranty Decision To Be Taken. Warranty Acceptance Or Rejection Depends Upon Fulfilment Of Warranty Terms And Conditions. In A Situation Of Manufacturing Defect Warranty Is To Be Immediately Accepted. Benefit Of The Doubt To Lie With The Customer. Company Reserves The Right To Reject The Warranty In Case Of Incorrect Data Provided.
- In An Event Where The Data Provided Is Not Satisfactory Or Any Further Analysis Is Required To Understand Nature And Cause Of Failure Unit Is To Be Called Back To The Plant Before Deciding Upon The Warranty Decision.
- In An Event Where On Vehicle Analysis Is Required Technician Is To Be Sent To Gather Evidence Or Data. Transportation Charges For The Technician May Be Claimed From The Customer If The Vehicle Is Outside Service Area
- On Rejection Any Further Work To Be Carried Out On Paid Basis Only. All Goodwill Cases At The Sole Discretion Of The Company.
- On Acceptance The Unit Is To Be Repaired , Warranty Will Continue Till Time Limit , If Good Will Is Executed All Further Warranty Will Cease To Exist.