



DEAR CUSTOMER

Congratulations on the purchase of your fully reconditioned AHS Engine. Please take the time to read the conditions and installation requirements of this warranty. Our recommended service schedule is designed to keep your engine in excellent running condition.

In the unlikely event of a warranty issue, please contact the installer of your engine and present this card. This card is to be read in conjunction with AHS's General Terms and Conditions of Trade (**Conditions**). Clauses 13 and 15 of the Conditions will apply to any warranty issues. The Conditions will override any inconsistent terms set out in this card. Capitalised terms in this card that are not defined in this card have the meaning given in the Conditions. An "engine" supplied with this card (and to which these warranty conditions apply) is an "Engine Exchange Product" as defined in the Conditions.

Vehicle Details:

(to be completed by mechanic for warranty purposes)

Vehicle
Registration
Owner's name
Speedo km @ install.....
Engine number
Job/stock no
Installation date.....

All Head Services (Aust) Pty Ltd as trustee of the All Head Services (Aust) Unit Trust ABN 54 143 407 694
21 Technology Circuit, Hallam, VIC 3803
PH: 1300 41 61 81
FAX: 03 9587 3887
EMAIL: admin@allhead.com.au

Warranty Conditions:

1. Subject to the exclusions and limitations below, AHS warrants that the engine will be free from defects in workmanship and materials for the following periods (each a **Warranty Period**):
 - a. in relation to a Motor Vehicle (with the engine installed) - 12 months from the date on which the Customer received the engine from AHS; or
 - b. in relation to an engine used in an industrial, commercial, agricultural, marine or construction machine where usage is customarily recorded in hours - 12 months from the date on which the Customer received the engine from AHS or the time period taken for that machine (with that engine installed) to be used up to 2,000 hours following the Customer's receipt of that engine from AHS (whichever period expires first).
2. If a defect covered by warranty appears before the end of the Warranty Period and the Customer has notified AHS in accordance with (and otherwise complied with the requirements of) clause 13.2 of the Conditions, then AHS will, in its sole discretion, either: (a) replace or repair the defective parts or workmanship free of charge, or; (b) cause the defective parts or workmanship to be repaired or replaced by a person authorised by AHS free of charge.
3. AHS will not accept responsibility under this warranty for any expenses incurred for third party repairs unless AHS has given its prior written permission to those repairs being performed. If AHS has given permission for third party repairs to be performed, AHS will (following receipt of a valid tax invoice), reimburse the Customer for any reasonable labour costs of that third party (up to a maximum rate of \$85 per hour plus GST).
4. AHS reserves the right to replace defective parts of the engine with parts and components of similar quality, grade and composition where an identical part or component is not available. Engines presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the engine. If AHS replaces the engine, or a part or component of the engine, under these warranty conditions, the engine, part or component that was replaced becomes the property of AHS.
5. If AHS supplies a repaired or replacement engine under these warranty conditions, then the Warranty Period for that engine will not re-start and will remain as starting on the date on which the Customer received the original engine from AHS before that repair or replacement.
6. Our engines come with guarantees that cannot be excluded under the Australian Consumer Law. The Customer is entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. The Customer is also entitled to have the engine repaired or replaced if the engine fails to be of acceptable quality

- and the failure does not amount to a major failure. These benefits are in addition to any other rights and remedies available to the Customer at law in relation to the engine, subject to clause 15 of the Conditions. This clause only applies where the Customer is a consumer in connection with the supply of the engine. Terms used in clause 4 and this clause 6 which are not defined in these warranty conditions or the Conditions, have the meaning given to them in the Australian Consumer Law.
7. Subject to these warranty conditions and the Conditions, and to the maximum extent permitted by law, AHS will not be liable under any Warranty Claim in relation to an engine if any one or more of the following apply:
 - a. before installation of the engine, a mechanic who is trade qualified and has completed a general stream apprenticeship as a motor mechanic, diesel mechanic or diesel fitter (**Qualified Mechanic**) has not confirmed that the engine is fit for the purpose for which it is supplied and is compatible with the other parts and the vehicle into which the engine is to be installed;
 - b. the engine is not installed by a Qualified Mechanic in accordance with the vehicle manufacturer's specifications and the recommended installation procedures supplied by AHS; and/or
 - c. the engine is not properly maintained in accordance with AHS's recommended service requirements (see overleaf).
8. This warranty does not extend to cover: (a) normal wear and tear; (b) any modifications, repairs or alternations performed, not authorised by AHS; (c) any corrosion or erosion; (d) oil leaks or damage caused by oil leaks; (e) damage caused by misuse, abuse or neglect; (f) damage or wear caused by dirt or other contaminants; (g) consumables; or (h) damage caused by overheating.
9. Unless specifically purchased as such, this engine is not suitable for LPG, turbocharged or marine applications.
10. All engines are built as close to original parameters as possible. The use of ULP in leaded fuel applications, unless specified, will not be covered under this warranty, should any fault arise from incorrect fuel use.
11. Without limiting clause 15 of the Conditions, AHS will not be liable for any damage, loss of profits or any other loss or damage including consequential loss or damage caused in the event of an engine failure under this warranty.
12. The warranty relating to the engine is not transferrable.
13. The installer's declaration must be completed and signed by the installer at the time of installation. Subsequent minimum service requirements as detailed in this card must also be completed by a Qualified Mechanic, with documentation evidencing compliance with these service requirements to be produced to AHS upon request.
14. If a problem with the engine arises, the Customer must first contact AHS at the contact address listed herein.

15. To make a Warranty Claim, the Customer must make the engine available at the Customer's cost for inspection and testing by AHS or its authorised agents. If such inspection and testing finds no defect in the engine, then the Customer must pay AHS's costs of the relevant service work, evaluation and testing of the engine (up to a maximum rate of \$85 per hour plus GST), together with any towing or freight costs incurred by AHS.
16. AHS makes no express warranties or representations other than as set out in these warranty conditions and in the Conditions.

20,000km

- As per 10,000km service; plus
- Change oil and oil filter
- Major inspection of vehicle tuning

These are the minimum service requirements to keep the engine warranty valid, additional vehicle service and/or repairs may be required to keep the vehicle in a safe and roadworthy condition.

Service Requirements:

1,000km/First Service

- Change engine oil and filter
- Retension head bolts (where applicable)
- Reset/adjust tappets (where applicable)
- Pressure test cooling system and retighten all hose clamps
- Recheck all engine fitment bolts and nuts
- Check emission control systems are working correctly
- Check timing, fuel mixture and idle speed (where applicable)
- Check engine management system (where applicable)
- Change coolant/inhibitor where applicable
- Check thermostat and cooling fans are operating correctly
- Ensure all earth leads are connected correctly
- Road test vehicle

5,000km

- Change engine oil
- Check air filter(s)
- Pressure test cooling system
- Check engine management/timing
- Check fuel mixture (where applicable)
- Check operation of thermostat and cooling fan
- Test Ph of coolant/inhibitor
- Road test vehicle

10,000km

- As per 5,000km service; plus
- Change oil filter
- Check and adjust tappets (where applicable)
- Change spark plugs (where applicable)
- Inspect/test catalytic converter

INSTALLATION CHECKLIST

Installation Instructions

Tick when done

1. Engine installer to ensure sump plugs and any water drain plugs are fitted correctly before installing engine.
2. Ensure engine mounts are serviceable.
3. Inlet manifold must be thoroughly cleaned before fitting. Ensure manifold faces are flat, clean and free from damage.
4. Ensure correct fit of crankshaft pulley or crankshaft. Harmonic balancer to be serviced or replaced, ensure that seal surface is serviceable and fan belt groove runs true.
5. Radiator must be cleaned, flushed and flow tested and free from leaks. Ensure air flow to radiator is not obstructed. Radiator servicing must be carried out by a radiator specialist (if not, warranty will not be accepted for overheating problems).
6. Radiator cap, thermostat, cooling system hoses, fan belts, hose clamps must be replaced with new components. Or have been replaced within the last 12 months.
7. A new water pump must be fitted, unless proved to be serviceable.
8. A coolant or inhibitor to OEM vehicle specification to be used at the time of installation.
9. Temperature and oil sensor/warning devices must be operating to manufacturer's specifications.
10. Ignition timing and all ignition components to be set to manufacturer's specifications.
11. Ensure all plug leads, rotors, caps and other ignition parts are in serviceable condition including mechanical advance ignition systems.
12. Ensure all fuel injection and engine management systems are operating in accordance with manufacturer's specifications.
13. Ensure all fuel delivery systems are operating in accordance with manufacturer's specifications.
14. Ensure all engine breather, PCV valves, EGR valves and emission control components are functioning correctly.
15. Ensure air cleaner is serviced and free from leaks.
16. Ensure all electrical connections and fittings are in good order.
17. Prime oil system prior to start up and ensure oil pressure is obtained before start up.
18. Ensure first fill of oil is as per OEM specifications and of appropriate viscosity for engine type.
19. In circumstances on pre 1987 engines that run flat tappet style camshafts, these engines may require oils that have added zinc properties or use of zinc additives. Ensure engine initial operation is ran between 1800 – 2200rpm for 20 minutes (limiting idle situations for initial run duration).
20. Tappets to be checked after warm up (where applicable).

Additional Diesel Engine Installer Instructions

Injector pump to be bench tested. If shown to be necessary, pump shall be serviced or replaced.	
Fuel injectors to be serviced or exchanged.	
Oil coolers to be cleaned thoroughly, internally and externally. Oil coolers to be visually inspected for corrosion. Oil coolers to be pressure tested before installation.	
Injection pump timing to be set in accordance with manufacturer's specifications and method of setting to be noted on customer's invoice at time of installation	
Turbocharger to be inspected and serviced as required.	

Installer's Declaration:

I/We _____

Hereby declare that I/we have followed the installation procedures as set out in this warranty card and carried out the installation checklist.

COMPLETED BY: _____ DATE: _____

Business Name: _____

Owner of Vehicle: _____

Vehicle Type: _____

Reg Number: _____

Engine Number: _____

Speedo at Install: _____

Type of Oil Used: _____

Type of Coolant Used: _____

IMPORTANT NOTICE: this card is important and needs to be completed at time of installation. It must be produced if a Warranty Claim is made, as evidence that the engine has been properly installed.