

Solahart

BLACK CHROME XII

SOLAR WATER HEATER

OWNER'S MANUAL SUPPLEMENT

and

WARRANTY INFORMATION

MODELS

151, 181, 182, 221, 222, 302, 303, 443.

FOR SERVICE PLEASE CALL (08) 93514600

Solahart Industries Pty Ltd ABN 45 064 945 848

Corporate Headquarters: 112 Pilbara Street, Welshpool, Western Australia 6106

Telephone International +61 8 93514600. Facsimile International +61 8 9458 7640

Email: solahart@solahart.com.au

Internet <http://www.solahart.com.au>

Important: - Please complete the Warranty Information Section inside and return to Solahart Industries Pty Ltd Free Post address shown .

INTRODUCTION

Congratulations on choosing your BLACK CHROME XII solar water heater. Your purchase will provide you many years of trouble free hot water.

The BLACK CHROME XII has been developed and manufactured by a Solahart Industries Pty Ltd using experience gained with fifty years of solar water heater production.

All over the world, the Solahart name is synonymous with quality in water heating. From humble beginnings in the pioneering days of Western Australia, a reputation has been built up over nearly a century.

In 1905, two enterprising plumbers formed the company known as S. W. Hart, a name that was retained for over 70 years. Even in its early stages, S. W. Hart was involved in the manufacture of metal products for water storage and water heating. Since 1953 S. W. Hart, now Solahart Industries Pty Ltd has been Australia's leading manufacturer of thermosyphon solar hot water systems.

Solahart is the market leader in Australia and a dominant brand throughout the world. Our network of distributors covers over 70 countries including Europe, USA, Africa and Asia. In our home market of Australia we offer the widest range of thermosyphon solar water heater products. The BLACK CHROME XII is a premium quality system offering maximum performance and reliability.

It is with the above in mind that we at Solahart Industries Pty Ltd are confident that your purchase of the BLACK CHROME XII solar water heater will reliably provide you with hot water and is backed up with quality after sales service.

Thank You

Solahart Industries Pty Ltd

ABOUT THIS SUPPLEMENT

The Solahart BLACK CHROME XII offers a higher level of performance and reliability than other Solahart solar water heaters. Consequently, this supplement highlights information that is specific to the major service, anode replacement period and warranty for the BLACK CHROME XII.

Please complete the warranty form inside this supplement instead of the warranty form inside the main Owner's Manual.

All other information contained within the main Owner's Manual is relevant to the BLACK CHROME XII system.

MAINTENANCE

Major Service (usually Every Six Years)

This service should be performed at least every Six years.

1. Check closed circuit liquid level and pressure test the closed circuit.
2. Replace pressure/temperature operated relief valve
3. Flush cold water relief valve.
4. Where fitted check electric element for excessive calcium build up or corrosion. Replace if necessary.
5. Check unit generally, i.e. broken glass, excessive dust build-up, shading etc.
6. Carefully inspect all connections.
7. Flush out tank sediment build-up (if any).
8. Replace anode if necessary.
9. For units fitted with a Gas Booster refer to the Gas Booster Owner's Manual for service instructions.

It is recommended that the major service be carried out by Solahart or your local Solahart Dealer.

Anode Replacement Period

Your Solahart tank is a cylinder lined with two coats of high quality ceramic material. Considering all metals corrode in hot water, the sacrificial anode is a low cost item that is simple to replace and will protect the main cylinder from corrosion. Bare metal tanks (eg. copper, stainless steel) generally do not have an anode and therefore rely on natural defences which are often broken down by many domestic water supplies. Replacing the anode is less expensive than replacing the complete tank.

In areas where the total dissolved solids (TDS) is 1000 ppm or less the sacrificial magnesium anode must be changed at least every twelve years. More regular changes will be necessary where the water TDS is more than 1000 ppm. Water quality details should be obtained from the water authority where special water supplies are used. Consult your local Solahart dealer for advice regarding anode replacement periods if the TDS in your area is higher than 1000 ppm.

To replace the anode, the Solahart serviceman will do the following:

1. Turn off the electrical power or gas supply (as applicable).
2. Turn off the water supply.
3. Release excess water pressure at the pressure/temperature relief valve by turning the valve top.
4. Remove the terminal cover plate or flue cowl (units fitted with gas booster).
5. Disconnect the earth wire from the anode nut.
6. Unscrew the hexagon nut located to the left of the electric element and withdraw the old anode.
7. Insert the new anode assembly into the cylinder.
8. Tighten the anode, reconnect earth cable, turn on the water supply, check that the anode nut joint is watertight and refit the cover (or flue terminal). Open a hot water tap to dispel air from the tank, or at the pressure/temperature operated relief valve.
9. Turn on the electrical or gas supply (as applicable).

WARNING: Do not turn power on until the heater is filled with water or damage to the heating element will result.

Important - Please Read This Warranty Information and Return the Completed Installation Report to Solahart Industries Pty Ltd

Solahart BLACK CHROME XII

Worldwide Guarantee

Using the information contained in the Installation Report you have returned to Solahart Industries Pty Ltd, Solahart will record on the customer database the serial number and location of your Solahart water heater.

The protection offered by the guarantee detailed below is in addition to all other non-excludable rights and remedies that the consumer has under the Trade Practices Act (in Australia) and similar state or territorial laws that may apply.

This warranty applies to complete water heaters installed in a family dwelling only. A separate warranty policy applies for water heaters installed in commercial and industrial applications or individual components.

The manufacturer (Solahart Industries Pty Ltd) guarantees the Solahart water heater against manufacturing defects, faulty material and/or workmanship and leakage from corrosion upon the following terms.

Complete Water Heater

Twelve (12) years warranty on the Storage Cylinder and Collectors.

Plus

Six (6) years covering all parts and labour on the Tank and Collectors.

Conditions

The above is subject to an area within a 30-kilometre radius of the Solahart dealer from whom the unit was purchased. Customers outside this area will be subject to freight and travelling charges incurred by the Solahart dealer carrying out the work.

Items replaced under guarantee are only covered for the remaining term of the guarantee period applicable to the original unit purchased.

A call out fee applies to service calls made outside normal Solahart business hours.

Exclusions

1. The manufacturer shall be under no obligation under this guarantee in the case of accident, Acts of God, installation/repairs carried out by persons outside Solahart installation and maintenance instructions or vandalism.
2. No responsibility is accepted for any consequential loss or damage caused by a defect.
3. Where the closed circuit is not filled with the Solahart approved heat transfer or antifreeze fluid in accordance with instructions.
4. In the case of collapse of the inner cylinder due to an incorrect filling procedure.
5. Where the closed circuit has had water added that is not in accordance with the water quality specifications.

Recommendation

1. Statutory Authorities and Codes recommend that the pressure/temperature operated relief valve fitted to the storage tank be operated at intervals of approximately six months.
2. Prior to the end of the twelve-year warranty you should contact your local Solahart dealer to arrange for a service on the system to ensure continued efficient operation.

Black Chrome XII Installation Report

Dear Customer,

To register your warranty please ensure the following information is correct then sign and return to our Solahart Industries Pty Ltd freepost address:

Solahart Industries Pty Ltd.
Reply Paid Perth 354,
WELSHPOOL
Western Australia 6106

WARRANTY: For details and conditions of warranty see Page4 of this manual supplement

Please complete all details below

Owner: Name
Address
Telephone Number

Installation: Address (if not as above)
Telephone Number

Dealer: Name
Address

Installer: Name

Installers Installation Check List

Please Tick

Closed Circuit fittings tightened and commissioning stickers fitted?	<input type="checkbox"/>
Closed Circuit pressure tested and checked for leakage	<input type="checkbox"/>
Closed Circuit filled with potable water and Hartgard mixture	<input type="checkbox"/>
Heat Dissipation Kit fitted	<input type="checkbox"/>
System orientation (degree's from north / south)	<input type="checkbox"/>
System mounting type (tile roof, metal roof, "A" frame etc.)	<input type="checkbox"/>
Booster type (electric, gas, not fitted)	<input type="checkbox"/>

Installer Certification: I certify that this installation has been installed and tested in accordance with Solahart Industries Pty Ltd specifications
Signed:
Print Name:
Date:

System Identification and Closed Circuit Commissioning Point Locations

Tank Serial No			
Collector Serial No's	1)	2)	3)
Service's Due Dates	1)	2)	3)

Customer Acceptance: I have read the warranty policy of this BLACK CHROME XII system and the installer has presented me with the Owner's Manual.
Signed:
Print Name:
Date:
Comments:
.....
.....