

# Service Warranty Policy Procedures & Repair Time Guide



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## Contents

varranty Policy, Procedure and Repair Time Guide	1
Service Warranty Policies  Limited Warranty for New Tecumseh Engines  What is Not Considered Tecumseh Engine Warranty  Limited Warranty for New Tecumseh Drive Train (Peerless®) Product or Parts  What is Not Considered Faulty Workmanship and/or Material for Peerless	3 4
Emission Control System Warranty California & US EPA Emission Control Warranty Statement	
Service Warranty Procedures for All Tecumseh Registered Servicing Accounts	8-10
New Model Numbering System for Tecumseh's Full Engine Line1	1-12
Tecumseh and Peerless® Model and Specification Numbers	3-14
Warranty Claim Instructions1	5-20
Repair Time Guide for Engines2	1-24
Repair Time Guide for Peerless Power Train Units	25

## Warranty Policy, Procedure & Repair Time Guide

This manual was developed to assist our Authorized Servicing Dealers in the accurate completion of warranty claims and to decrease the timetable of warranty reimbursement to the dealer.

Incorporated in this manual are the following items.

- Service Warranty Policy Tecumseh Power Company's statement of warranty coverage on both engines and drivetrain units.
- Service Warranty Procedures Procedures and guidelines to assist in filing warranty claims.
- Product Label Identification An aid to support the reading and understanding of our product identification labels.
- Warranty Claim Instructions Step by step instructions on entering in the required information needed for claim submission.
- Repair Time Guide The guide uses average times needed for a trained technician to complete the repair. These times take into consideration the repair plus items such as diagnostics, part look-up, clean up and test running. The guide does not cover all possible repairs, but a majority of the most common warranty occurrences. Multiple item or cumulative repairs are normally covered under the highest time allotment. For example a camshaft is being installed; time to replace the cover gasket cannot be added to the claim as this part is involved in the root repair.

We anticipate this booklet will assist you in submitting complete and accurate warranty claims, which will allow us to promptly reimburse your dealership or business.

Thank you for your continued strong support in servicing Tecumseh Power Company's complete line of engines and drivetrains.

**Tecumseh Power Company** 

**Group Warranty Department** 



## SERVICE WARRANTY POLICY



## LIMITED WARRANTY FOR NEW TECUMSEH ENGINES AND ELECTRONIC IGNITION MODULES

Revised January, 2004

For the time period shown below from the date of purchase and subject to the exceptions and limitations described herein, Tecumseh Power Company will, at its option as the exclusive remedy, either repair or replace for the original purchaser, free of charge, any part of any new Tecumseh engine which is found, upon examination by any Authorized Tecumseh Servicing Outlet or by Tecumseh's factory in Grafton, Wisconsin, to be **DEFECTIVE IN MATERIAL AND/OR WORKMANSHIP.** This Limited Warranty **DOES NOT COVER** (i) any Tecumseh engine or part(s) thereof used to power any vehicle in competitive racing and/or used on any commercial or rental track, or (ii) defects or damage caused by alterations or modifications of new Tecumseh engines or parts or by normal wear, accidents, improper maintenance, improper use or abuse of the product, or failure to follow the instructions contained in an Instruction Manual for the operation of the new Tecumseh engine or part. The cost of normal maintenance or replacement of service items which are not defective shall be paid for by the original purchaser. At the time warranty service is requested, evidence must be presented of the date of purchase by the original purchaser. Any charge for making service calls and/or for transporting any engine or part(s) thereof to and from the place where the inspection and/or warranty work is performed is payable solely by the purchaser. The purchaser is responsible for any damage or loss incurred in connection with the transportation of any engine or part(s) thereof submitted for inspection and/or warranty work. WARRANTY SERVICE CAN ONLY BE PERFORMED BY A TECUMSEH AUTHORIZED SERVICE OUTLET. Warranty service can be arranged by contacting a Tecumseh Authorized Service Outlet (any Tecumseh Registered Service Dealer, Tecumseh Authorized Service Distributor, or Tecumseh Central Warehouse Distributor) or by contacting Tecumseh c/o Service Manager, 900 North Street, Grafton, Wisconsin USA 53024-1499.

	"CONSUMER USE" (4)		"CONSUMER USE" (4) "COMMERCIAL USE"	
Warranty	Within	Outside	Within	Outside
Category <sup>(6)</sup>	U.S.A. and Canada	U.S.A. and Canada	U.S.A. and Canada	U.S.A. and Canada
(A)	90 day	90 day <sup>(1)</sup>	No Warranty	No Warranty
(B)	1 Year	1 Year (1)	1 Year	1 Year
(C)	2 Years	1 Year (1)	1 Year	1 Year
(D)	2 Years	2 Years (2)	1 Year	1 Year
(E)	2 Years	2 Years	1 Year	1 Year
(H)	2 'n 10 <sup>(3)</sup>	2 'n 10 <sup>(3)</sup>	1 Year	1 Year
(K)	2 'n 10 <sup>(3)</sup>	2 'n 10 <sup>(3)</sup>	2 'n 10 <sup>(3)</sup>	1 Year
(M) <sup>(7)</sup>	3 Years	3 Years	1 Year	1 Year

- (1) 2 years for Member States of the European Union. Consumers may have additional legal rights not affected by the terms of this warranty pursuant to EU Directive 1999/44/EC and the national legislation of certain Member States of the European Union.(2) 1 year for Australia/New Zealand for rotary mower engines.

- (3) 2 years on engine and 10 years (first 5 years covering parts and labor only; the second 5 years covering parts only) on electronic ignition.

  (4) For purposes of this warranty policy, "consumer use" shall mean consumer's personal, residential, household use by the original retail purchaser.

  (5) For purposes of this warranty policy, "commercial use" shall mean all other uses, including use for commercial, income producing, or rental purposes.
- The engine warranty category of your engine can be determined by review of the engine model number on the "Important Engine Information" decal. One letter in the engine model number will be surrounded by parentheses (A), (B), (C), (D), (E), (H), (K) or (M) and that letter is your engine warranty category designation.
- Qualification for three (3) year consumer use warranty under engine warranty category (M) may be determined by notation of an (M) designation on the "Important Engine Information" decal located on the engine housing or on an addendum decal affixed adjacent thereto.

THIS EXPRESS WARRANTY IS SUPPLEMENTED BY THE TECUMSEH CALIFORNIA EMISSION CONTROL WARRANTY STATEMENT, if any,

PARTS, SHORT BLOCKS, OR SERVICE ENGINES WARRANTY PERIOD				
"CUSTOMER PURCHASED" "INSTALLED" UNDER WARRANTY				
Parts	90 days <sup>(1)</sup>	Remainder of original warranty		
Short blocks	1 Year <sup>(1)</sup> Remainder of original warranty			
Service engines	Normal warranty applies (1)	Remainder of original warranty		

This limited warranty applies to repair and/or replacement of defective parts caused by faulty material or workmanship in manufacture. It does not apply to defects caused by negligence or normal wear.

THIS EXPRESS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. Neither Tecumseh nor any of its affiliates makes any warranties, representations, or promises, written or oral, as to the quality of the engine or any of its parts, other than as set forth herein. ANY IMPLIED WARRANTY OF MARKETABILITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, TO THE EXTENT THAT EITHER MAY APPLY TO ANY TECUMSEH ENGINE OR PART(S) THEREOF, SHALL BE LIMITED IN DURATION TO THE PERIODS OF THE EXPRESS WARRANTIES SHOWN IN THE WARRANTY PERIOD CHART ABOVE AND TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED. IN NO EVENT WILL TECUMSEH BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES AND/OR EXPENSES, INCLUDING, BUT NOT LIMITED TO, ANY LOSS OF TIME, INCONVENIENCE, LOSS OF UNIT USE OR ANY COST OR EXPENSE OF SUBSTITUTE UNITS DURING PERIODS OF MALFUNCTION OR NON-USE. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you. This Limited Warranty gives you specific legal rights and you may also have other legal rights which vary from state-to-state.

Tecumseh neither assumes nor authorizes any other person, natural or corporate, to assume for Tecumseh any other obligations or liabilities in connection with or with respect to any Tecumseh product or parts. The seller or dealer of a Tecumseh Product or part has no authority, whatsoever, to make any representations or promises on behalf of Tecumseh or to modify the terms or limitations of Tecumseh's warranty in any way.

Form No. 694986



## SERVICE WARRANTY POLICY



Revised March 2004

## WHAT IS NOT CONSIDERED TECUMSEH ENGINE WARRANTY

Tecumseh's worldwide service organization has been developed to provide you, the customer, with convenient fast service for Tecumseh engines. If your engine has failed within the warranty period because of faulty workmanship and/or material, it will be repaired at Tecumseh's expense, and we thank you for bringing it to our attention.

THERE ARE CERTAIN CONDITIONS, HOWEVER, THAT CAN DAMAGE AN ENGINE OR PART WHICH CANNOT BE CONSIDERED AS FAULTY WORKMANSHIP AND/OR MATERIAL. THIS DAMAGE IS THE OWNER'S RESPONSIBILITY AND ANY NECESSARY REPAIRS MUST BE BORNE BY THE OWNER. FAILURE CAUSED BY, BUT NOT NECESSARILY LIMITED TO, THE FOLLOWING IS NOT WARRANTY.

- Damaged fuel system from water, old stale fuel, dirty fuel or improper storage.
- Bent or broken crankshaft.
- Vibration due to bent or broken crankshaft.
- Crankshaft that has been straightened. (Tecumseh does not recommend or approve straightening of crankshafts)
- Accident, abuse or neglect.
- Insufficient oil or dirty oil. (4 cycle)
- Improper fuel mixture. (2 cycle)
- Carburetor set too lean. (2 cycle)
- Improperly serviced air cleaner.
- Missing or punctured air cleaner element.
- Overheating due to dirty engine.
- Operating engine above speed recommended by Tecumseh.
- Damage resulting from repairs by an unapproved service account unless expressly and specifically approved in writing by Tecumseh.
- Alterations or modifications of new Tecumseh engines or parts.
- Normal maintenance and adjustments to magneto points, carburetor, fuel tank, fuel line and spark plug.
- Damage or loss of parts due to owner failing to keep external nuts, bolts and screws tight.
- Use of other than factory approved repair parts and/or procedures.
- Engines or parts not manufactured or sold new by Tecumseh.
- Normal wear. The total number of hours an engine has been used will ultimately determine its life.
- Engines used to power any vehicle used in competitive racing or on commercial and/or rental tracks are not warranted.
- Pick up and delivery charges.
- Modifications or changes to emission components.
- Warranty repairs to any product manufactured by Tecumseh bearing the name Craftsman, Tecumseh and/or Peerless from a unit bearing the Sears label can be performed ONLY by Sears, Roebuck & Company.

Tecumseh's liability is limited to the engine and parts thereof. Any other parts such as decks, wheels, drive mechanisms, chains, belts, pulleys, sprockets, remote controls, battery and cables, etc., and any damage to the engine itself caused by the failure of any accessory, unless expressly and specifically approved in writing by Tecumseh, is the responsibility of the respective manufacturer(s) and/or owner.



## SERVICE WARRANTY PEERLESS POLICY



## LIMITED WARRANTY FOR NEW TECUMSEH AND PEERLESS TRANSMISSIONS, TRANSAXLES & DRIVE PRODUCTS OR PARTS

Issued - January 1980 Revised - June 2004

For the time periods shown below and subject to the exceptions and limitations described herein, from the date of purchase, Tecumseh Power Company will, at its option as the exclusive remedy, either repair or replace for the original purchaser, free of charge, any part of any new Tecumseh or Peerless product, which is found, upon examination by any Tecumseh Authorized Service Outlet or by Tecumseh's Service Division in Grafton, Wisconsin, to be DEFECTIVE IN MATERIAL AND/OR WORKMANSHIP. This Limited Warranty DOES NOT COVER (i) any Tecumseh or Peerless products or part(s) thereof used to power any vehicle in competitive racing, or (ii) defects or damage caused by alterations or modifications of new Tecumseh or Peerless products or parts or by normal wear, accidents, improper maintenance, improper use or abuse of the product, or failure to follow the instructions contained in an Instruction Manual as supplied by either the Original Equipment Manufacturer, Tecumseh or Peerless for the operation of the new Tecumseh or Peerless product or part. The cost of normal maintenance or replacement of service items, which are not defective, shall be paid for by the original purchaser. At the time warranty service is requested, evidence must be presented showing the date of purchase by the original purchaser. Any charge for making service calls and/or for transporting equipment or part(s) thereof to and from the place where the inspection and/or warranty work is performed is payable solely by the purchaser. The purchaser is responsible for any damage or loss incurred in connection with the transportation of any product or part(s) thereof submitted for inspection and/or warranty work. WARRANTY SERVICE CAN ONLY BE PERFORMED BY A TECUMSEH AUTHORIZED SERVICE OUTLET. Warranty service can be arranged by contacting a Tecumseh Authorized Service Outlet (any Tecumseh Registered Service Dealer, Tecumseh Authorized Service Distributor, or Tecumseh Central Warehouse Distributor) or by contacting Tecumseh c/o Service Manager, Service Division, 900 North Street, Grafton, Wisconsin USA 53024-1499.

	"CONSUMI	ER USE" (2)	"COMMER	CIAL USE"	"RENTA	L USE"
MODELS	Within U.S.A. and Canada	Outside U.S.A. and Canada	Within U.S.A. and Canada	Outside U.S.A. and Canada	Within U.S.A. and Canada	Outside U.S.A. and Canada
300, 801, 820, 850, 855, 860, 900, 910, 915, 920, 930, 940, 9000,1100, 2100 <sup>(1)</sup> , 2600, LTH2000 <sup>(1)</sup> , MST200, VST205 <sup>(1)</sup> , VST705 <sup>(1)</sup>	2 YEARS <sup>(4)</sup>	2 YEARS <sup>(4)</sup>	90 DAYS	90 DAYS	30 DAYS	30 DAYS
100, 700, 800, 1000, 1050, 1300, 1310, 1400, 2300, 2500, 2800, 9100, 9200	1 YEAR	2 YEARS	90 DAYS	90 DAYS	30 DAYS	30 DAYS
LDP-10	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS	2 YEARS

- (1) Any Tecumseh or Peerless Series LTH2000, VST205 hydrostatic transaxles or 2100, VST705 hydrostatic transmissions which is found upón examination by any Tecumseh Authorized Service Outlet or by Tecumseh's factory in Grafton, Wisconsin, to be DEFECTIVE IN MATERIAL AND/OR WORKMANSHIP, and if received by Tecumseh or a Tecumseh Authorized Service Outlet for such warranty examination within the applicable warranty period noted above is SUBJECT TO A REPLACEMENT EXCHANGE PROGRAM USING EITHER NEW OR REMANUFACTURED UNITS as determined by Tecumseh or the Tecumseh Authorized Service Outlet and furnished by Tecumseh. Remanufactured units and parts are subject to the limited warranty provisions described above and to the following warranty periods.
- (2) For purposes of this limited warranty, "consumer use" shall mean consumer's personal, residential, household use by the original retail purchaser.
- Minimum 2-year consumer warranty for Member States of the European Union. Consumers may have additional legal rights not affected by the terms of this warranty pursuant to EU Directive 1999/44/EC and the national legislation of certain Member States of the European
- (4) Qualifications for three (3) year consumer use warranty may be determined by notation of an (M) designation on the "Important Engine Information" decal located on the Tecumseh engine housing or on an addendum decal affixed adjacent thereto.

Tecumseh Remanufactured Units and Parts Warranty Period				
MODELS	"Consumer Use" (2)	"Commercial Use"	"Rental Use"	"Installed" Under Warranty
Remanufactured Unit	1 Year <sup>(3)</sup>	90 Days	30 Days	Remainder of original warranty
Parts	1 Year <sup>(3)</sup>	30 Days	30 Days	Remainder of original warranty

THIS EXPRESS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. Neither Tecumseh nor any of its affiliates makes any warranties, representations, or promises, written or oral, as to the quality of the products(s) or any of its parts, other than as set forth herein. ANY IMPLIED WARRANTY OF MARKETABILITY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, TO THE EXTENT THAT EITHER MAY APPLY TO ANY TECUMSEH PRODUCT OR PART(S) THEREOF, SHALL BE LIMITED IN DURATION TO THE PERIODS OF THE EXPRESS WARRANTIES SHOWN IN THE WARRANTY PERIOD CHART ABOVE AND TO THE EXTENT PERMITTED BY LAW ANY AND ALL IMPLIED WARRANTIES ARE EXCLUDED IN NO EVENT WILL TECUMSEH BE LIABLE FOR ANY INDIRECT, INCIDENTAL, CONSEQUENTIAL AND/OR SPECIAL DAMAGES AND/OR EXPENSES, INCLUDING, BUT NOT LIMITED TO, ANY LOSS OF TIME, INCONVENIENCE, LOSS OF UNIT USE OR ANY COST OR EXPENSE OF SUBSTITUTE UNITS DURING PERIODS OF MALFUNCTION OR NON-USE. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitation(s) or exclusion(s) may not apply to you. This Limited Warranty gives you specific legal rights and you may also have other rights, which vary from state-to-state.

Tecumseh neither assumes nor authorizes any other person, natural or corporate, to assume for Tecumseh any other obligations or liabilities in connection with or with respect to any Tecumseh product or parts. The seller or dealer of a Tecumseh product or part has no authority, whatsoever, to make any representations or promises on behalf of Tecumseh or to modify the terms or limitations of Tecumseh's warranty in any way.



## SERVICE WARRANTY PEERLESS COMMERCIAL PRODUCTS

Issued - April 1968 Revised - June 2004

## WHAT IS NOT CONSIDERED FAULTY WORKMANSHIP AND/OR MATERIAL UNDER THE LIMITED WARRANTY FOR NEW TECUMSEH AND PEERLESS TRANSMISSIONS, TRANSAXLES & DRIVE PRODUCTS OR PARTS

Tecumseh's worldwide service organization has been developed to provide you, the customer, with convenient fast service for Tecumseh and Peerless products. If your unit has failed within the warranty period because of faulty workmanship and/or material it will be repaired at factory expense, and we thank you for bringing it to our attention.

There are certain conditions, however, that can damage a complete Tecumseh or Peerless unit or part, which cannot be considered as faulty workmanship and/or material. This damage is the owner's responsibility and any necessary repairs must be borne by the owner. Failure caused by, but not necessarily limited to, the following is not warranty.

- Alterations or modifications of Transmission, Transaxle or Drive Product components.
- · Damage resulting from lack of lubrication.
- Damage resulting from accident, abuse, or neglect; such as bent or broken axles and shift keys.
- Damage resulting from improper shifting; such as chipped gears and broken shift forks.
- · Failure to follow the Original Equipment Manufacturer's Manual.
- Damage resulting from use of attachments to equipment other than those approved by the manufacturer of the equipment.
- Damage resulting from use of equipment in a manner or for a purpose not originally intended by the manufacturer of the equipment.
- Damage resulting from repairs by an unauthorized service account.
- Damage resulting from shipment after Tecumseh or Peerless unit is installed on the equipment.
- · Pick up and delivery charges.
- Damage resulting from improper belt adjustment.
- Warranty repairs to any product manufactured by Tecumseh bearing the name Craftsman, Tecumseh and/ or Peerless from a unit bearing the Sears label can be performed ONLY by Sears, Roebuck & Company.

Tecumseh's liability is limited to the Tecumseh or Peerless product itself. Other parts such as wheels, chains, belts, pulleys, etc., and any damage to the Tecumseh or Peerless product itself caused by the failure of any accessory not of Tecumseh or Peerless manufacture, are the responsibility of the respective manufacturer(s) and/or owner.

## **EMISSION CONTROL SYSTEM WARRANTY**

Emission Control System Warranty ("ECS Warranty") for 1995 and later model year California small off-road engines (for other states, 1997 and later model year engines):

- A. APPLICABILITY: This warranty shall apply to 1995 and later model year California small off-road engines (for other states, 1997 and later model year engines). The ECS Warranty Period shall begin on the date the new engine or equipment is delivered to its original, end-use purchaser, and shall continue for 24 consecutive months thereafter.
- **B. GENERAL EMISSIONS WARRANTY COVERAGE:**

Tecumseh Power Company warrants to the original, end-use purchaser of the new engine or equipment and to each subsequent purchaser that each of its small off-road engines is:

- Designed, built and equipped so as to conform with all applicable regulations adopted by the Air Resources Board pursuant to its authority in Chapters 1 and 2, Part 5, Division 26 of the Health and Safety Code, and
- Free from defects in materials and workmanship which, at any time during the ECS Warranty Period, will cause a warranted emissions-related part to fail to be identical in all material respects to the part as described in the engine manufacturer's application for certification.
- C. The ECS Warranty only pertains to emissions-related parts on your engine, as follows:
  - Any warranted, emissions-related parts which are not scheduled for replacement as required maintenance in the Operator's Manual shall be warranted for the ECS Warranty Period. If any such part fails during the ECS Warranty Period, it shall be repaired or replaced by Tecumseh Power Company according to Subsection 4 below. Any such part repaired or replaced under the ECS Warranty shall be warranted for any remainder of the ECS Warranty Period.
  - Any warranted, emissions-related part which is scheduled only for regular inspection as specified in the Operator's Manual shall be warranted for the ECS Warranty Period. A statement in such written instructions to the effect of "repair or replace as necessary", shall not reduce the ECS Warranty Period. Any such part repaired or replaced under the ECS Warranty shall be warranted for the remainder of the ECS Warranty Period.
  - 3. Any warranted, emissions-related part which is scheduled for replacement as required maintenance in the Operator's Manual, shall be warranted for the period of time prior to the first scheduled replacement point for that part. If the part fails prior to the first scheduled replacement, the part shall be repaired or replaced by Tecumseh Power Company according to Subsection 4 below. Any such emissions-related part repaired or replaced under the ECS Warranty, shall be warranted for the remainder of the ECS Warranty Period prior to the first scheduled replacement point for such emissions-related part.

- Repair or replacement of any warranted, emissionsrelated part under this ECS Warranty shall be performed at no charge to the owner at a Tecumseh Authorized Service Outlet.
- The owner shall not be charged for diagnostic labor which leads to the determination that a part covered by the ECS Warranty is in fact defective, provided that such diagnostic work is performed at a Tecumseh Authorized Service Outlet.
- Tecumseh Power Company shall be liable for damages to other original engine components or approved modifications proximately caused by a failure under warranty of an emission-related part covered by the ECS Warranty.
- Throughout the ECS Warranty Period, Tecumseh Power Company shall maintain a supply of warranted emissionrelated parts sufficient to meet the expected demand for such emission-related parts.
- 8. Any Tecumseh Power Company authorized and approved emission-related replacement part may be used in the performance of any ECS Warranty maintenance or repair and will be provided without charge to the owner. Such use shall not reduce Tecumseh Power Company ECS Warranty obligations.
- 9. Unapproved add-on or modified parts may not be used to modify or repair a Tecumseh Power Company engine. Such use voids this ECS Warranty and shall be sufficient grounds for disallowing an ECS Warranty claim. Tecumseh Power Company shall not be liable hereunder for failures of any warranted parts of a Tecumseh Power Company engine caused by the use of such an unapproved add-on or modified part.

## EMISSION-RELATED PARTS INCLUDE THE FOLLOWING:

- Carburetor Assembly and its Internal Components
  - a) Fuel filter
  - b) Carburetor gaskets
  - c) Intake pipe
- 2. Air Cleaner Assembly
  - a) Air filter element
- 3. Ignition System, including:
  - a) Spark plug
  - b) Ignition module
  - c) Flywheel assembly
- 4. Catalytic Muffler (if so equipped)
  - a) Muffler gasket (if so equipped)
  - b) Exhaust manifold (if so equipped)
- 5. Crankcase Breather Assembly and its Components
  - a) Breather connection tube

Revised January, 2004

## CALIFORNIA & US EPA EMISSION CONTROL WARRANTY STATEMENT

The U. S. Environmental Protection Agency ("EPA"), the California Air Resources Board ("CARB") and Tecumseh Power Company are pleased to explain the Federal and California Emission Control Systems Warranty on your new small off-road engine. In California, new 1995 and later small off-road engines must be designed, built and equipped to meet the State's stringent anti-smog standards. In other states, new 1997 and later model year engines must be designed, built and equipped, at the time of sale, to meet the U.S. EPA regulations for small non-road engines. Tecumseh Power Company will warrant the emission control system on your small off-road engine for the periods of time listed below, provided there has been no abuse, neglect, unapproved modification, or improper maintenance of your small off-road engine.

Your emission control system may include parts such as the carburetor, ignition system and exhaust system. Also included may be the compression release system and other emission-related assemblies.

Where a warrantable condition exists, Tecumseh Power Company will repair your small off-road engine at no cost to you for diagnosis, parts and labor.

## MANUFACTURER'S EMISSION CONTROL SYSTEM WARRANTY COVERAGE

Emission control systems on 1995 and later model year California small off-road engines are warranted for two years as hereinafter noted. In other states, 1997 and later model year engines are also warranted for two years. If, during such warranty period, any emission-related part on your engine is defective in materials or workmanship, the part will be repaired or replaced by Tecumseh Power Company.

### OWNER'S WARRANTY RESPONSIBILITIES

As the small off-road engine owner, you are responsible for the performance of the required maintenance listed in your Operator's Manual, but Tecumseh Power Company will not deny warranty solely due to the lack of receipts or for your failure to provide written evidence of the performance of all scheduled maintenance.

As the small off-road engine owner, you should, however, be aware that Tecumseh Power Company may deny you warranty coverage if your small off-road engine or a part thereof has failed due to abuse, neglect, improper maintenance or unapproved modifications.

You are responsible for presenting your small off-road engine to a Tecumseh Authorized Service Outlet (any Tecumseh Registered Service Dealer, Tecumseh Authorized Service Distributor or Tecumseh Central Warehouse Distributor) as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days.

Warranty service can be arranged by contacting either an Authorized Tecumseh Servicing Dealer and/or Tecumseh Power Company, c/o Service Manager, 900 North Street, Grafton, WI 53024-1499. Telephone 1-262-377-2700 [or in USA/Canada call 1-800-558-5402].

#### **IMPORTANT NOTE**

This warranty statement explains your rights and obligations under the Emission Control System Warranty ("ECS Warranty") which is provided to you by Tecumseh Power Company pursuant to California law. Tecumseh Power Company also provides to original purchasers of new Tecumseh Power Company engines. The Tecumseh Power Company Limited Warranties for New Tecumseh Engines and Electronic Ignition Modules ("Tecumseh Power Company Warranty") are located on the back cover of the Operator's Manual, enclosed with all new Tecumseh Power Company engines. The ECS Warranty applies only to the emission control system of your new engine. To the extent that there is any conflict in terms between the ECS Warranty and the Tecumseh Power Company Warranty, the ECS Warranty shall apply except in any circumstances in which the Tecumseh Power Company Warranty may provide a longer warranty period. Both the ECS Warranty and the Tecumseh Power Company Warranty describe important rights and obligations with respect to your new engine.

Warranty service can only be performed by a Tecumseh Power Company Authorized Servicing Dealer. At the time of requesting warranty service, evidence must be presented of the date of sale to the original purchaser. The purchaser shall pay any charges for making service calls and/or for transporting the products to and from the place where the inspection and/or warranty work is performed. The purchaser shall be responsible for any damage or loss incurred in connection with the transportation of any engine or any part(s) thereof submitted for inspection and/or warranty work

If you have any questions regarding your warranty rights and responsibilities, you should contact Tecumseh Power Company at 1-262-377-2700 or in USA/Canada call 1-800-558-5402.

Revised January, 2004





## SERVICE WARRANTY PROCEDURES

## FOR ALL TECUMSEH REGISTERED SERVICING ACCOUNTS

Revised March 2004

The following policy and procedure applies to United States and Canadian Accounts only.

### **WARRANTY CLAIM PROCEDURE**

- Log onto www.Tecumsehwarranty.com or use OPEESA-157R claim form. Fill in all boxes completely, EXCEPT BOX NO. 15, (see back of form for detailed instructions). Incomplete claims will be returned. Paper OPEESA-157R claims require customer's signature in order for us to accept and process.
- 2. Be sure your assigned WARRANTY CODE NUMBER is entered in Box No. 2.
- 3. Mail completed claims within 30 days of the repair date. Unreasonable delay in filing claims may cause questions or possible rejection.
- 4. Mail WHITE copy to Tecumseh Power Company, Grafton, Wisconsin 53024. Retain other copy for your file.
- 5. Payment will be mailed directly to you in the form of a bank check.
- 6. If the nature of the repair requires removal of the engine or Peerless Power Train Unit, list this time as a separate item on the claim in Box No. 14, under "R & R".
- 7. Report only one repair per form. Do not group repairs of more than one unit on a single form.
- 8. As has been our practice, a representative sample of those customers who have had warranty work performed for them will be mailed a follow-up questionnaire.

## **USE OF SHORT BLOCK OR COMPLETE UNIT VS. WARRANTY REPAIR**

1. Use of a short block, engine or drivetrain replacement unit is recommended only when it has a lower total cost vs. repairing the unit with parts. Refer to example below.

Parts @ (Cost + Reimbursement Profit) + Required Labor = Repair Cost

Engine/SB/Drivetrain @ (Cost + Reimbursement Profit) + Required Labor = Unit Replacement Cost

2. If the short block or complete unit is lower in cost and you do not have it in stock, enter an emergency order with your supplier.

**NOTE:** Use of a short block, engine or complete power train unit (except Right Angle and T-Drives) must be approved by a Tecumseh Distributor, TMT or Factory Representative. Signature and/or Authorization Code must be present in Box No. 17 on the Warranty Claim Report (see back of form for detailed instructions).

Form No. 696529

## WARRANTY PAYMENT - U.S.A. and Canada

WARRANTY REIMBURSEMENT	PREMIER	STANDARD	LIMITED
Dealer Labor Rates	Posted Shop Labor Rate + 10%	Posted Shop Labor Rate	Posted Shop Labor Rate With Cap By Region
Parts Reimbursement	List Price	Dealer Cost + 20%	Dealer Cost + 10%
Engine, Short Block, & Peerless Reimbursement (These are S and/or E - Coded parts)	Dealer Cost + 20%	Dealer Cost + 10%	Dealer Cost + 10%
Engine, Short Block, Peerless Authorization	Tecumseh Master Technician (TMT)	Required	Required
Premier Customer Assistance - Batch Claims Parts Replaced On Retailer Display Units	Yes	No	No

- 1. Inbound freight cost for short blocks, engines, and complete Peerless power train units, will be reimbursed at normal ground freight, if cost is noted on claim.
  - NOTE: Next-day or 2nd-day freight costs will not be considered for reimbursement.
- 2. If nature of repair requires re-lubrication of a Peerless Power Train Unit, note cost on claim which will be reimbursed.
- 3. If nature of repair requires re-lubrication of a Tecumseh engine, the use of "TECUMSEH" branded lubricants will be reimbursed when the appropriate Tecumseh part number is noted on claim.

### **DEFECTIVE MATERIAL DISPOSITION**

- 1. Retain and tag all material replaced under warranty with claim number and customer's name.
- 2. Receipt of bank check is your authority to scrap material involved.
- 3. If Factory asks for return of material, promptly ship it prepaid to Tecumseh Power Company, 900 North Street, Grafton, Wisconsin 53024. (Use UPS wherever available.) Shipping costs will be added to your payment.

## **CLAIMING FOR "NEW DEFECTIVE MATERIAL" FROM SHELF STOCK**

- 1. Mark New Defective Service Parts in Box No. 1.
- 2. Enter "New Defective Material" in Box No. 11.
- 3. List Part Number and Quantity in Box No. 16 (more than one part can be listed per claim).
- 4. Complete Boxes No. 2, and No. 4.
- 5. Retain and tag all claimed parts with claim number.
- 6. Mail claim directly to Factory as usual. Payment will be made for your cost only and NO LABOR will be allowed.
- 7. Receipt of bank check is your authority to scrap the material.
- 8. If Factory asks for return of material, promptly ship it prepaid to Tecumseh Power Company, 900 North Street, Grafton, Wisconsin 53024. (Use UPS wherever available.) Shipping costs will be added to your payment.

### **WARRANTY OR NOT WARRANTY?**

- 1. In the event the failure is such that you cannot decide whose responsibility it really is, contact your Tecumseh source and ask that your Central Warehouse Distributor representative review it and assist you.
- 2. If between you, you still cannot reach a conclusion, ask him to contact the Factory for help.
- 3. Keep the customer advised of what you are doing, and why, so they are aware that they are receiving full consideration.

#### **DISPUTED WARRANTY**

When a customer insists on a warranty repair to which in your judgment he is not entitled, we suggest you offer him the following choices:

- 1. If the equipment is urgently needed, offer to repair, and charge the customer. At the same time, offer to send the failed parts and a completed warranty claim form to the Factory for their decision. Mark the claim "Disputed Warranty" and state all the facts, including your reasons for denying warranty and have the customer sign the form. Mail the completed warranty form and failed parts in the same package, prepaid, to the Factory. Advise the customer that you will refund the amount paid you for all or any portion of the work the Factory accepts under Warranty. The Factory will advise you directly, with a copy to the customer, as to their decision and the reasons for acceptance or rejection.
- 2. If repair is not urgent, offer to send the failed parts, along with a completed warranty claim form, to the Factory for their decision. Again, the Factory will respond directly to you, with a copy to the customer. Mark the claim "Disputed Warranty" and state all facts, including your reasons for denying warranty, and have the customer sign the form.

Mail the completed warranty form and the failed parts in the same package, prepaid, to the Factory.

## WARRANTY POLICY FOR TECUMSEH BUILT PRODUCTS USED IN SEARS, ROEBUCK & COMPANY UNITS.

- 1. Warranty repairs to any product manufactured by Tecumseh bearing the name Craftsman, Tecumseh and/or Peerless from a unit bearing the Sears label can be performed ONLY by Sears, Roebuck & Company.
- 2. Warranty claims submitted by Tecumseh Service Accounts for such work will NOT be accepted by the Factory.

Form No. 696529

## New Model Numbering System for Tecumseh's Full Engine Line

## Explaining the new model number system.

Our 2004 product line engines will incorporate new model number designations. This code will provide a standard format that can be used globally, fulfilling the international requirements for engine identification. The new model number will give the valve and crank orientation, displacement in cc, and emissions information, all summed up within a few letters and numbers. Initially the new numbers will take some getting used to but once they are understood they will be much more user friendly. Below is a break down explaining each character in the model number.

CODE
1st Space - Valve Orientation
T = Two Cycle
O = Overhead Valve
L = L-Head
2nd Space - Crank Orientation
V = Vertical
H = Horizontal
M = Multi-position
3rd, 4th and 5th Space - Displacement in cc
6th Space - Emissions Class
E = 50 State/Global Emissions Compliant
X = Not for sale in California, except exempt
applications
S = Snow Emission Compliant
S = Snow Emission Compliant
S = Snow Emission Compliant  7th Space - Engine Specifics

## **Model Conversion Chart** 4-Cycle **LEV90** - LV148EA OHH60 - OH195EA **LEV120** - LV195EA OHH65 - OH195EP **OHSK70** - OH195SA **HSSK50** - LH195SA **HSSK55** - LH195SP **OHSK75** - OH195SP HMSK90 - LH318SA **VSK90** - LV148SA **OHV135** - OV358EA HMSK110 - LH358SA **OHV180** - OV490EA **OHSK110** - OH318SA **TVT69**1 - OV691EA OHSK130 - OH358SA VTX691 - OV691EP **OHM110** - OH318EA 2-Cycle TC300 - TM049XA **HSK870** - TH139SA HSK600 - TH098SA AV520 - TV085XA

### **Tiered Engine Lineup**

After listening to the challenges faced by OEM's, dealers, and retailers, Tecumseh responded by creating a tiered engine lineup that meets each end user's unique need.

#### Formula™

Offers all of your basic engine features at a great value.

### **Enduro® XL**

This line offers many features such as full pressure lubrication with a spin-on oil filter, dual element air cleaner, and cast iron cylinder liner which help extend engine life.

#### Sterling<sup>™</sup>

Engines with all of the extended life features, plus added power, smooth and quiet running. This line is ideal for applications that require superior performance.

## New Model Numbering System for Tecumseh's Full Engine Line

## **Reviewing The Engine ID Label**

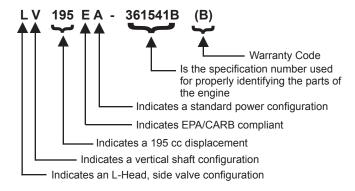
We have reconfigured our engine ID labels to help make the pertinent information easier to locate. Below we have an example of the latest label and the location of the information you the dealer will need when filling out warranty claims. Warranty claims are returned at a rate of over 25% each year. The most common reason for a claim being returned is for missing or incomplete information. Please remember, the family number should not be written on the claim.

#### **Specification Number**

The numbers following the model number make up the specification number.

Using model **LV195EA-361541B**, as an example, interpretation is as follows:

LV195EA-361541B is the model and specification number.



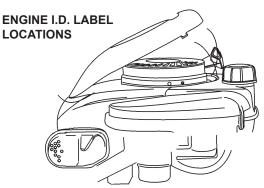
#### **Date of Manufacture**

The Date of Manufacture (D.O.M.) indicates the production date.

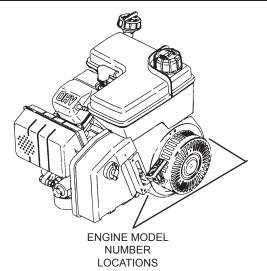
For this example,  ${\bf 03188BC0010}$  is the D.O.M. (Date of Manufacture).

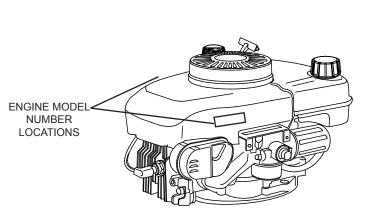
	Day of			Individual
Year	Year	Mfg	Assembly	Serial #
2003	188th	Facility	Line / Shift	10th unit built
03	188	В	С	0010





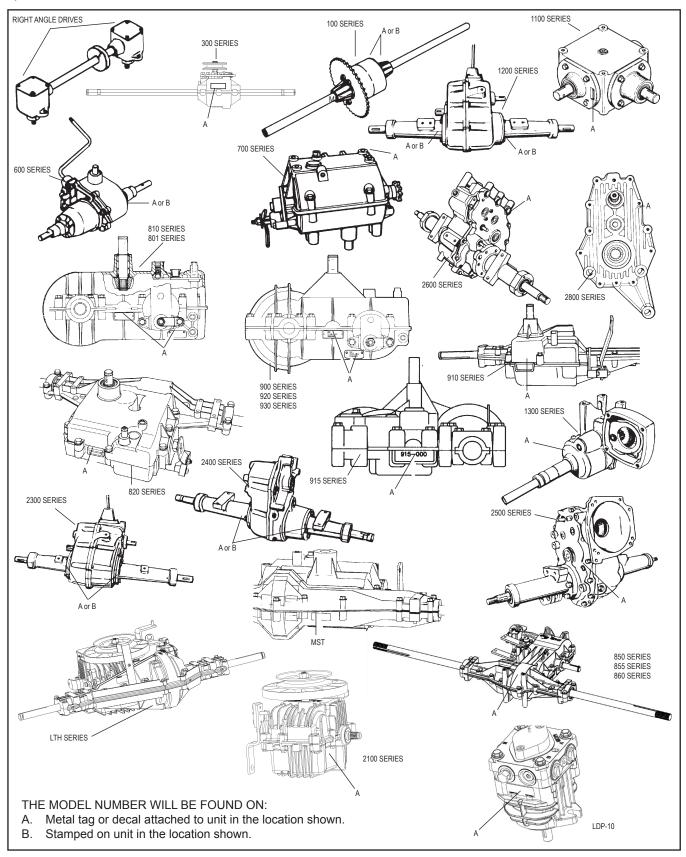
ENGINE MODEL NUMBER LOCATED UNDER COVER



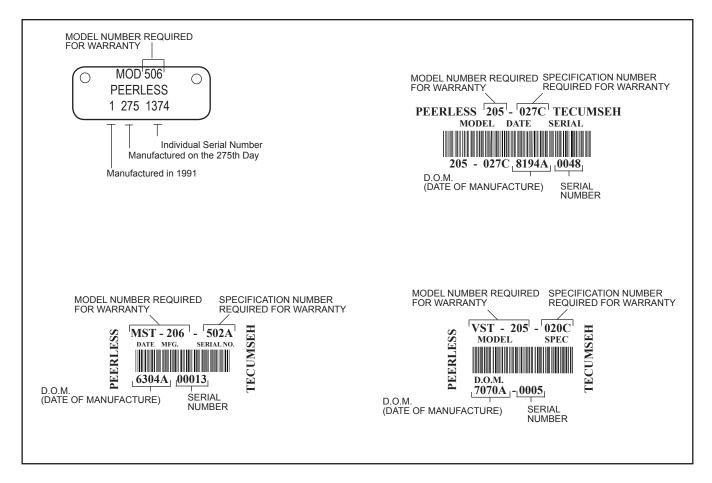


## Tecumseh and Peerless® Model and Specification Numbers

The following information is being provided to assist you in locating and recording your Tecumseh/Peerless drivetrain model and specification numbers.



## Various Styles of Identification Used On Tecumseh and Peerless Transmission, Transaxle and Gear Products



Early Models were not identified with a model number on the unit.

<b>SADEE</b>	CA A			NO. A	
<b>SPEE</b>		RRANTY CLA	NINA I	2 WARRANTY COL	DE NO.
OUTDOOR POWER EQUIPM ENGINE SERVICE ASSOC	CIATION VV	KKANII CLA	-Alivi		
	R PRINT CLEARLY	✓ FOR		PERFORMED BY C	D□SD □DEALER
1 TYPE OF CLAIM (C	<u> </u>	□Generac PS □Kohler	Firm Name		
<ul><li>□Warranty Repair</li><li>□Policy Adjustment</li><li>□Q</li></ul>	ew Defective Service Parts	☐Tecumseh	Address		
oney ragustment	destionable/biopated	<b>□US Motor Power</b>	0.1	C	ata
3 OWNER'S LAST NA		MMERCIAL USER	City	51	ate
51505	☐ YES		Phone	Z	p Code
FIRST		MI	Signed		
ADDRESS		'	olgrica		
CITY		STATE	Purchased Date		Repair Date
CITT		J J	Mo. Day Yr.	. Mo. Day Yr.	Mo. Day Yr.
PHONE		ZIP			
			6 HOURS USE	D 7 UNIT ORIGIN	ALLY SOLD BY
Customer Signature			1		
5 Engine/Transmission	Spec. No.	D.O.M. or Serial No.		FAILURE SUFFIXES	
Short/Block/Model No			AW - Assembled Wron	ng FM - Foreign Material	SD - Shipping Damage
Equipment Manufacturer	Type of Equipment	Engine Bessived	BC - Broken/Cracked BL - Blown	LK - Leaked	SG - Scored/Galled SS - Stuck/Seized
Equipment Manufacturer	Type of Equipment	Engine Received	BT - Bent/Twisted CD - Porous/Casting	MI - Missing ML - Magnet Loose	ST - Stripped UO - Unknown/Other
		☐Mounted ☐ Detached	Deficiency CL - Came Loose/Off	NS - Not Seating	VC - Valve/Clearance WN - Worn
8 PARTS HAVE BEEN			CP - Corroded/Pitted EF - Electric Failure	OA - Out of Adjustment PM - Part Made/	WP - Warped
☐Returned to Factory	☐ Returned to Central	☐ Retained & Tagged	2. 2.000.10 1 0.10.10	Machined Incorrectly	
9 DEFECTIVE PART N	UMBER 10 FAI	LURE SUFFIX			
11 Condition Found/Pr	obable Cause of Failure	(Word "Defective" Not Sur	ficient)		
12 Job Number/Work P	erformed. If Necessary	to Remove & Replace (R&F	R) Engine from Equ	ipment, then Show R&	R Separately.
13 Miscellaneous Freight/Postage	Dollars	Cents	16 Part Number	Qty. D	escription
Allowance					
Attach Freight Bill					
14 Labor	HRS. MINS	./TENTHS JOB#			
Repair 1					
Repair 2 Repair 3			-	+ + -	
Misc. Labor					
R & R				1	
TOTAL					
45 FACTORY USE ON	I.V	· 			
OEM Code	-		Tensine/Sheat-Ble	ook/Tuonomiooian /Authori	rad Signature Bankh
Defect Code #				ock/Transmission (Authoriz	ed Signature Red'd)
End Use Code #			Authorized By:		
Division			Firm Name:		
#ESA 157R REV 10/98					

## INSTRUCTIONS FILLING OUT THE OPEESA and TECUMSEH E-CLAIM WARRANTY FORM

### **BOX 1 TYPE OF CLAIM**

Check the appropriate box for the type of claim being filed. Your choices are:

WARRANTY REPAIR: - normal in-warranty repair due to a defect in material or workmanship.

NEW DEFECTIVE SERVICE PART: service part(s) received defective or missing components.

POLICY ADJUSTMENT: repair that has been pre-authorized by your CWD or Tecumseh Representative that would not normally be considered in its factory warranty period.

**QUESTIONABLE/DISPUTED:** if the customer requests warranty service and you think he/she is not entitled. Remember, ship claim with parts to TECUMSEH SERVICE, GRAFTON, WI 53024.

PLEASE TYPE OR PRINT CLEARLY	√ FOR
1 TYPE OF CLAIM (CHECK ONLY ONE)	☐ Kohler
☑ Warranty Repair ☐ New Defective Service Parts	☑ Tecumseh
☐ Policy Adjustment ☐ Questionable/Disputed	☐ US Motor Power

### **BOX 2 WARRANTY CODE NO.:**

Enter your assigned Tecumseh five digit dealer identification number. Without this number, we cannot identify who to pay.



## **BOX 3 OWNER INFORMATION:**

All owner information must be completed including the customer signature or the individual who accepts the repaired merchandise. If the unit is store stock please list the retailers name, address, and phone number and note it as such. IMPORTANT: You must check the appropriate box for commercial or non-commercial use.

OWNER'S LAST NAME Doe	COMMER PYES	RCIAL USER Mino	
FIRST John			
ADDRESS 400 Main Street		-	
CITY Hometown		STATE  W I	
PHONE 2 6 2 - 3 7 7 - 2 7 0 0 5 3 0 0 0			
Customer Signature			

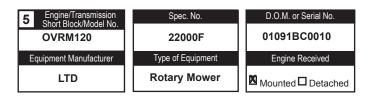
## BOX 4 WARRANTY PERFORMED BY: PURCHASE/FAILURE/REPAIR DATES:

Check one of the three boxes that indicates the type of Tecumseh dealership or distributorship. Your company name/address as it appears on your service agreement. The purchase/failure/repair dates MUST be completed for warranty consideration.



### **BOX 5 ENGINE/TRANSMISSION INFORMATION:**

Enter the <u>ENTIRE</u> model, specification, serial (D.O.M.) number off the I.D. decal / tag found on the engine, transmission or short block being repaired. When a repair is performed on a short block, enter the short block model and serial number. Check the appropriate box to indicate if the equipment was received mounted or detached from the OEM's equipment.



### **BOX 6 HOURS USED:**

Provide the best estimate of the hours used if the unit isn't equipped with an hour meter.



#### **BOX 7 UNIT ORIGINALLY SOLD BY:**

Enter the store name that sold the piece of equipment. If the equipment was sold by you or in your stock, then enter your company name.



### **BOX 8 DISPOSITION OF PARTS:**

Select one of three choices: Returned to Factory, Returned to Central, or Retained and Tagged. Remember, keep all warranty parts until payment has been received.



### **BOX 9 DEFECTIVE PART NUMBER:**

Enter the part number that identifies the single defective part which caused the failure. DO NOT use replacement short block, engine or transmission part numbers.

**EXAMPLE:** A unit is returned because the carburetor is leaking. Upon examination it is found the needle/seat is not functioning properly. The defective part would be the part number for the needle/seat; not the complete carburetor.



## **BOX 10 FAILURE SUFFIX (DEFECT CODE):**

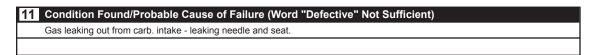
After you have identified the defective part, choose the failure suffix that best describes the part's defect. In the example below, the failure suffix would be "NS" (Not Seating).



FAILURE SUFFIXES				
AW - Assembled Wrong BC - Broken/Cracked BL - Blown BT - Bent/Twisted CD - Porous/Casting Deficiency CL - Came Loose/Off CP - Corroded/Pitted EF - Electric Failure	FM - Foreign Material IF - Improper fit LK - Leaked MI - Missing ML - Magnet Loose NS - Not Seating NY - Noisy OA - Out of Adjustment PM - Part Made/ Machined Incorrectly	SD - Shipping Damage SG - Scored/Galled SS - Stuck/Seized ST - Stripped UO - Unknown/Other VC - Valve/Clearance WN - Worn WP - Warped		

## **BOX 11 CONDITION FOUND AND PROBABLE CAUSE OF FAILURE:**

Briefly explain the conditions found or customer's description of defect. Words such as "defective" or "broken" are not sufficient.



#### **BOX 12 WORK PERFORMED:**

Describe the steps involved to complete the repair. If it was necessary to remove and replace an engine or transmission to perform the repair, separate repair time from remove and replace time and enter them separately in Box No. 14.

12 Job Number/Work Performed. If Necessary to Remove & Replace (R&R) Engine from Equipment, then Show R&R Separately.			
Removed carb. from engine.			
Replaced defective needle and seat assembly.			

## **BOX 13 MISCELLANEOUS:**

Enter the freight charges (if applicable) in dollars and cents.

**NOTE:** Standard surface freight is only applicable on complete short blocks, engines, and Tecumseh/Peerless drive units. Freight will always be reimbursed at F.O.B. FACTORY.

13 Miscellaneous	Dollars	Cents
Freight/Postage Allowance		
Attach Freight Bill		

### **BOX 14 LABOR:**

Enter the amount of labor required to perform the repair in hours and minutes. If removal and replacement of the engine/transmission was necessary to perform the repair, enter that time separate. Add the repair time and the remove and replace time (if applicable). Enter in the TOTAL section.

14	Labor	HRS.	MINS /TENTHS	JOB#
Repair 1				
Repair 2				
Repair 3				
Misc. Lat	oor			
R&R			30	
TOTAL			30	

## **BOX 15 FACTORY USE ONLY**

15 FACTORY L	JSE ONLY
OEM Code	
Defect Code #	
End Use Code #	
Division	

## **BOX 16 PART NUMBERS:**

Enter ONLY Tecumseh part numbers, quantity, and description of the part(s) used in the repair. When using bulk Tecumseh parts such as recoil rope, please use the individually packaged part numbers.

16 Part Number	Qty.	Description
631021	1	Inlet needle, seat & clip
631028	1	O-ring
26756	1	Gasket

## BOX 17 AUTHORIZATION SIGNATURE (REQUIRED FOR ENGINE/SHORT BLOCK/TRANSMISSION):

After a replacement engine, short block, or transmission has been authorized by one of the following: Tecumseh Factory Representative, Central Warehouse Distributor, Authorized Service Distributor, or an Authorized TMT at a premier dealership. A signature or authorization code and the name of the firm **MUST** be put in the respective box found in section 17. If using the Tecumseh Internet Warranty Claim please ask the authorizing representative for an authorization number to be used in the (Authorized By:) box.

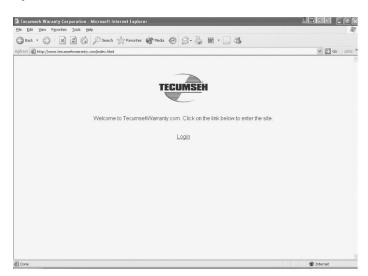
17 Engine/Short Block/Transmission (Authorized Signature Req'd)
Authorized By:
Firm Name:

## www.Tecumsehwarranty.com

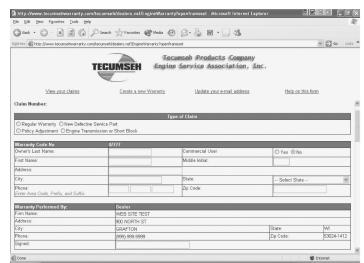
Warranty Website

Claims for warranty repair may be submitted to Tecumseh Power Company through the use of the internet.

Filing via www.Tecumsehwarranty.com has these advantages.



- Fast & Precise The internet claim closely resembles the paper ESA form, so its easy to use. Filters are in place to aid you in submitting a completed claim.
- Claim Status An electronic receipt informing you of the claims progress is returned to you generally within 2 business days.
- Saves Time & Money No more addressing envelopes & affixing postage.



## **Obtaining Warranty Website Access**

Please see your Central Warehouse Distributors website for a download of the request form. Print, sign and submit to your CWD for access. Once approved, Tecumseh will mail you a password to access the online warranty system.

## **Warranty Website Advantages**

On a daily basis we are able to update your view file to show the status or your warranty claims. The different statuses you may see are:

- Paid The claim has been processed and a check is on its way to you.
- Returned for more Information You will receive an e-mail informing you of what information is needed to process the claim. To re-submit the claim, simply open the original claim entered in your view file, correct and re-submit.
- Part(s) called in You will receive an e-mail letting you know that a call tag for the part(s) will be sent
  to you.
- Pending The claim is being reviewed and its status will be updated shortly.
- Void May be used when duplicate claims are received.
- Rejected Used in cases where the claim has been denied. You will receive an e-mail explaining the
  reasoning for this denial.
- Submitted The claim is submitted and in process.

## TECUMSEH POWER COMPANY WARRANTY REPAIR TIME GUIDE

## 2-Stroke / 4-Stroke Small Frame thru 7.5 HP

ELECTRICS	Repair Minutes
Flywheel	40
Lamination/Solid State Ignition	30
Alternator/Stator Assembly or FW Brake Assembly	45
Regulator/Rectifier	45
Low Oil Shut Down Switch and/or Gasket	40

FUEL SYSTEM	
Carburetor and/or Intake Pipe Replacement	45
Carburetor Kit Installation	60
Throttle Control, Governor Linkage, Governor Spring	30
Inlet Needle, Seat, Float Replacement and/or Adjustment	30
Fuel Tank, Fuel Line	20
Remote Primer, Primer Line	20
Air Cleaner Assembly	20

STARTER	
Recoil Assembly Replacement	20
Intergral Starter Modular Starter Housing Replacement (Europa Only)	30
Recoil Assembly Repair	35
Electric Starter Replacement	30
Electric Starter Repair	45

PO	POWER HEAD			
*	Install Mini Block (Europa Only)	90		
*	Short Block - Side Valve (USA Product Only)	60		
*	Short Block - OHV (USA Product Only)	75		
	PTO Crankshaft and/or Reduction Shaft Seal	25		
	Flywheel End Crankshaft Seal	45		
*	Side Cover Flange and/or Gasket Replacement	25		
	Head Gasket and/or Cylinder Head - Side Valve	30		
	Head Gasket and/or Cylinder Head - OHV	45		
	Valve Lash Setting- OHV	20		
	Valve Replacement / Set Lash and/or Seat Resurface - Side Valve	60		
	Valve Replacement and/or Seat Resurface - OHV	60		
	Push Rod(s)	30		
*	Crankshaft, Connecting Rod, Piston and/or Piston Rings	90		
*	Camshaft, Governor Assembly	45		
	Replace PTO Reduction Gear / Shaft / Seal	40		
	Replace Top Mounted Breather Assembly	35		
	Dipstick, Muffler, Muffler Guard, Side Breather, Blower Housing	20		
	Valve Cover Gasket, Oil Filler Tube/O-Ring	20		

R & R of Small Frame Engine (Lawn Mowers & Others)	40
R & R of Small Frame Engine (Generator, Water Pump, 2 - Stroke Snow, Power Washer)	90

<sup>\*</sup> May require R & R

## TECUMSEH POWER COMPANY WARRANTY REPAIR TIME GUIDE 4-Stroke Medium Frame 8 - 13.5 HP

ELECTRICS	Repair Minutes
Flywheel	40
Lamination/Solid State Ignition	30
Alternator/Stator Assembly	45
Low Oil Shut Down Switch and/or Gasket	40
Regulator/Rectifier	45

FUEL SYSTEM	
Carburetor and/or Intake Pipe Replacement	45
Carburetor Kit Installation	60
Throttle Control, Governor Linkage, Governor Spring	30
Inlet Needle, Seat, Float Replacement and/or Adjustment	30
Fuel Tank, Fuel Pump, Fuel Line	30
Remote Primer, Primer Line	25
Air Cleaner Assembly	20
Intake Pipe / Manifold	35

STARTER	
Recoil Assembly Replacement	20
Recoil Assembly Repair	35
Electric Starter Replacement	30
Electric Starter Repair	45

POV	/ER HEAD	
*	Short Block - OHV	75
*	Short Block - Side Valve	60
	PTO Crankshaft/Reduction Shaft Seal	35
	Flywheel End Crankshaft Seal	45
*	Side Cover / Flange and/or Gasket Replacement	25
	Head Gasket - Side Valve	30
	Head Gasket and/or Cylinder Head - OHV	45
	OHV Valve Lash Setting	20
	Valve Replacement / Set Lash and/or Seat Resurface - Side Valve	60
	Valve Replacement and/or Seat Resurface - OHV	75
	Push Rod(s)	30
*	Crankshaft, Connecting Rod, Piston and/or Piston Rings	90
*	Camshaft, Governor Assembly	45
	Dipstick, Muffler, Breather, Blower Housing	20
	Valve Cover Gasket, Oil Filler Tube/O-Ring	20

R & R Medium Frame Engine (Lawn Mowers & Others)	40
R & R Medium Frame Engine (Generator, Water Pump, Power Washer)	90

<sup>\*</sup> May require R & R

## TECUMSEH POWER COMPANY WARRANTY REPAIR TIME GUIDE 4-Stroke Large Frame 14 - 18.5 HP

ELECTRICS	Repair Minutes
Flywheel	40
Lamination/Solid State Ignition	30
Alternator/Stator Assembly	45
Regulator/Rectifier	45
Fuel Shut Off Solenoid	20

FUEL SYSTEM	
Carburetor and/or Intake Pipe Replacement	45
Carburetor Kit Installation	45
Throttle Control, Governor Linkage, Governor Spring	30
Inlet Needle, Seat, Float Replacement	60
Fuel Tank, Fuel Pump, Fuel Line Replacement	30
Air Cleaner Assembly	20

STARTER	
Recoil Assembly Replacement	20
Recoil Assembly Repair	35
Electric Starter Replacement	30
Electric Starter Repair	45

POWER HEAD		
*	Short Block - OHV	90
	PTO Crankshaft Seal	35
	Flywheel End Crankshaft Seal	45
*	Side Cover / Flange and/or Gasket Replacement	35
	Head Gasket and/or Cylinder Head - OHV	60
	Valve Lash Setting - OHV	20
	Valve Replacement and/or Seat Resurface - OHV	75
	Push Rod(s)	40
*	Crankshaft, Connecting Rod, Piston and/or Piston Rings	90
*	Camshaft, Governor Assembly	45
	Dipstick, Muffler, Breather, Blower Housing	20
	Valve Cover Gasket, Oil Filler Tube/O-Ring	20

R & R Large Frame Engine (Lawn Tractor & Others)	60
R & R Large Frame Engine (Generator)	90

<sup>\*</sup> May require R & R

## TECUMSEH POWER COMPANY WARRANTY REPAIR TIME GUIDE **4-Stroke Large Frame V-Twins**

ELECTRICS	Repair Minutes
Flywheel	60
Lamination/Solid State Ignition	45
Alternator/Stator Assembly	60
Regulator/Rectifier	45
Fuel Shut Off Solenoid	30

FUEL SYSTEM	
Carburetor Replacement	60
Carburetor Kit Installation	45
Throttle Control, Governor Linkage, Governor Spring	45
Inlet Needle, Seat, Float Replacement	60
Fuel Tank, Fuel Pump, Fuel Line Replacement	30
Air Cleaner Assembly	20
Intake Pipe / Manifold	60

STARTER	
Recoil Assembly Replacement	20
Recoil Assembly Repair	35
Electric Starter Replacement	30
Electric Starter Repair	45

POWER HEAD					
*	Short Block - OHV	90			
	PTO Crankshaft Seal	35			
	Flywheel End Crankshaft Seal	45			
*	Side Cover / Flange and/or Gasket Replacement	35			
	Head Gasket - OHV (Each Cylinder)	60			
	Valve Lash Setting - OHV (Each Cylinder)	20			
	Valve Replacement and/or Seat Resurface - OHV (Each Cylinder)	75			
	Push Rod(s)	40			
*	Crankshaft, Connecting Rod, Piston and/or Piston Rings	120			
*	Camshaft, Governor Assembly	90			
	Dipstick, Muffler, Breather, Blower Housing	20			
	Valve Cover Gasket, Oil Filler Tube/O-Ring	20			

R & R of Twin Cylinder Engine	90

<sup>\*</sup> May require R & R

## TECUMSEH POWER COMPANY WARRANTY REPAIR TIME GUIDE

## **Peerless Power Train Units**

		100 Series	700 Series	800 Series	900 Series	MST 850 855 860	1300 1400 Series	2300 Series	2400 2500 2600 Series	LTH	RAD
	Shift Lever	-	-	-	-	-	60	60	-	-	-
	Shift Lever Housing	-	-	-	-	-	45	60	-	-	-
	Seal, Axle or Brake Shaft	-	-	30	30	45	30	30	60	90	20
*	Case / Cover Gasket / Reseal	-	20	20	20	20	60	60	90	75	15
*	Replace Axle	30	-	45	45	45	90	60	120	85	-
*	Differential Gear	30	-	45	45	60	90	90	120	75	-
*	Bevel Gear/Pinion	30	30	45	45	60	90	90	120	-	-
*	Output Pinion/Spur Gear	-	-	60	60	60	45	90	90	75	-
*	Counter Shaft	-	45	60	60	45	120	90	120	-	-
*	Shifter Gears	-	60	60	60	60	120	90	-	-	-
*	Shifter/Brake Shaft	-	60	60	60	60	120	90	120	75	-
*	3-Gear Cluster or Counter Shaft	-	45	-	-	-	120	120	120	-	-
*	Roller Chain/Sprocket	-	60	60	60	-	-	-	-	-	-
*	Reverse Idler Gear	-	45	-	45	-	90	90	-	-	-
*	Shifter Rods or Forks & Stop	-	30	30	30	45	120	120	-	-	-
*	Input Shaft	-	30	60	90	45	120	120	90	-	30
*	Bearings	45	60	60	60	45	60	60	60	75	45
	Axle Support	-	-	-	-	-	60	60	60	-	-
*	Case	30	60	90	90	45	120	150	120	75	60
*	Cover	30	30	60	60	45	60	60	60	75	30
	Hydro Module ONLY	-	-	-	-	-	-	-	-	45	-

<sup>\*</sup> May require R & R

## INCLUDE THE FOLLOWING LABOR FOR REMOVE AND REPLACE

100 Series - 45 Minutes (Differentials)	2300 Series - 90 Minutes (Transaxles)
301 Series - 45 Minutes (Transmissions)	2400/2500/2600 Series - 210 Min. (Hydro)
700 Series - 60 Minutes (Transmissions)	2800 Series - 60 Minutes (Power Take Off)
800 Series - 60 Minutes (Transaxles)	RAD - 60 Minutes (Right Angle Drive)
900 Series - 60 Minutes (Transaxles)	VST 205/1800 - 60 Min. (Hydro Transaxle)
1300 Series - 90 Minutes (Hydro Gear Reduction Unit)	MST - 60 Minutes (Transaxles)
1400 Series - 60 Minutes (Transaxles)	LTH - 60 Minutes (Transaxles)

#### NOTE:

For internal repairs requiring multiple replacement parts, the single highest labor allowance of all internal parts being replaced will be used. R & R also applies where applicable.

Externally mounted components, on any transmission/transaxle assembly will be reimbursed at 30 minutes for warranty replacement.

The following units are internally NON-serviceable: VST 205/1800, 301 Series, and LTH Hydro Module.





**ENGINES & TRANSMISSIONS** 

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