

INFO SHEET:

Industrial Short Shaft C6 Transmissions

Part Number Methodology and Application Chart



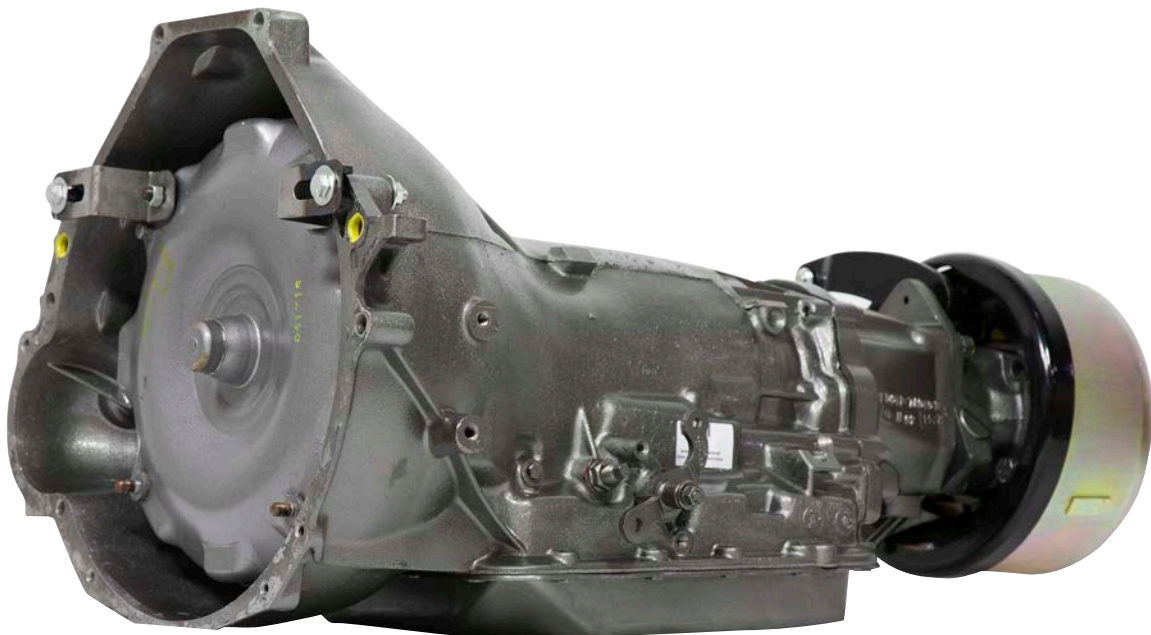
Sage has teamed up with an industry leading supplier for Quality Remanufactured Transmissions to provide the best remanufactured C6 transmissions in the GSE industry. The C6 has been the mainstay of the baggage tractors and other GSE for years.

Though they may all look alike on the outside, there are actually several standard C6 transmissions available for use in tractor applications. The same basic units were used in tractors manufactured by Clark, Harlan, Kalamazoo, Northwestern, Tiger, Tug, and United Tractor. In addition, the same basic units were used in belt loaders manufactured by companies such as Nordco, Tiger, Tug, and Wollard.

The following is intended to help you establish the correct transmission:

What is the Standard?

In most standard applications gas powered units used two speed transmissions and diesel powered units used three speed transmissions. However, due to a lack of availability of the two speed valve bodies, some customers (and suppliers) began using nothing but three speed units in all applications. Sage Parts worked with the supplier to overcome the valve body issue and as a result we will be able to meet your needs regardless of which valve body you choose to use.



Typical Short Shaft C6 Transmission

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There are three basic criteria to identify the correct unit for your application.

1. Gas or Diesel engine
2. 2 or 3 speed
3. With or W/O E-Brake (Emergency Brake)) package

The following are various configurations:

<i>Gas Engine</i>	<i>Diesel Engine</i>	<i>2 Speed</i>	<i>3 Speed</i>	<i>W/ E-Brake</i>	<i>W/O E-Brake</i>	<i>Sage Part Number With Core</i>	<i>Sage Part Number Without Core</i>	<i>Core Part Number</i>
●		●			●	C6SBB2	C6SBB2X	C6SSBCORE
●		●		●		C6SBB2B C	6SBB2BX	C6WBCORE
●			●		●	C6SBB3	C6SBB3X	C6SSBCORE
●			●	●		C6SBB3B C	6SBB3BX	C6WBCORE
	●	●			●	C6SBB2D C	6SBB2DX	C6SSBCORE
	●	●		●		C6SBB2DB	C6SBB2DBX	C6WBCORE
	●		●		●	C6SBB3D C	6SBB3DX	C6SSBCORE
	●		●	●		C6SBB3DB	C6SBB3DBX	C6WBCORE

Core Credit Policy

- All cores are to be returned completely assembled as removed from tractor
 - Cores returned in a disassembled state will be subject to vendor approval and are generally not accepted
- Please return all cores
 - Even cores with cracked cases may have some value
 - Cores returned with cracked cases will be subject to partial core credit
- All units are shipped with a torque converter, therefore all units must be returned with the torque converter intact
 - Units returned without torque converter will be subject to partial credit
- Units sold with E-Brake, must be returned with E-Brake to receive full credit
 - Cores returned missing all or part of the E-Brake will be subject to partial core credit

The following calls out the various deductions that will be accessed to problem cores:

Core Charge Deductions		
<i>Missing Torque Converter</i>	<i>Cracked Case</i>	<i>Missing E-Brake (all or any part of)</i>
\$75.00	\$200.00	\$200.00

Prices are subject to change without notice

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Core Documentation

All units are shipped with core return documentation. As part of the core return process, this documentation must be applied to the core when it is returned. The core return tags are bar coded to match the serial number of the original unit. This assures that the correct customer is issued the correct credit for their core.

CORE RETURN INSTRUCTIONS

- The core returned must be the same as the transmission you purchased.
- The core must be complete including the torque converter, oil pan, tail housing, etc. **INCOMPLETE CORES WILL NOT RECEIVE FULL CORE CREDIT!**
- The core must be free of any external damage such as cracked or broken cases or tail housings. **CRACKED OR BROKEN CASES WILL NOT RECEIVE FULL CORE CREDIT!**
- Please drain as much fluid as possible from the transmission and converter.
- If your transmission was shipped in a plastic pod, the core must be returned in the pod to receive full core credit.

Thank you for following all the above core return instructions.

CORE RETURN TAG

THIS TAG MUST BE ATTACHED TO CORE TO RECEIVE CORRECT CORE CREDIT!

C6SBB2
TRA-C6 SMALL BLOCK BOLT
ON-2 SPEED TUG-AIRPORT

Location: I14
Builder ID#: C6
Date Produced: 11/02/04

- Unit is clean & presentable
- Bolts and case fittings are tight and fit.
- Pan is straight without dents
- All installation seals are on unit.
- Unit has no cracks.
- All openings are plugged.

Painter # _____
Dyno Operator # _____
Warehouse # _____
Customer Phone # _____

316531

—THIS TAG MUST BE—
—ATTACHED TO CORE—
— FOR CREDIT!! —

CORE

Customer name and store number (if applicable) _____

Street address _____

City _____ State _____ Zip _____

SEE REVERSE SIDE FOR CORE RETURN INSTRUCTIONS

Typical Core Return Documentation

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Shipping Containers

Most units ship to our customers in plastic clamshell. These cases not only contain spill of fluids but they help prevent shipping damage to both the unit and the return core.

- All units shipped in Clamshells will be subject to a \$150.00 deposit for the return of the clamshell
- The customer will not be held responsible for condition of the clamshell
- All cores returned in clamshells will be issued full credit for the clamshell, regardless of its condition



Typical C6 Clamshell Shipping Container

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TRANSMISSION WARRANTY

24 MO/50,000 MILES FOR INDUSTRIAL 2 & 3 SPEED C6 NON LOCKUP TRANSMISSIONS

INSTALLER, call the number below for warranty validation and helpful installation advice!

WARRANTY VALIDATION AND INSTALLATION HOTLINE

USA AND CANADA **+1-877-SAGE-877**

OUTSIDE USA AND CANADA **+1-631-501-1300**

The serial number of the transmission will be required.

Let us help you to ensure a successful installation and prevent unit failure.

MAKE THE CALL SO YOU DO NOT VOID THE WARRANTY!!

Sage Parts warrants that it will replace, repair, or refund at its sole option, any remanufactured transmission or part supplied by Sage Parts, which is defective in material or workmanship, for 24 months or 50,000 miles whichever comes first. This warranty is limited to the first retail purchaser of the remanufactured transmission ("the Purchaser"). This warranty is limited to defects in workmanship and material furnished by Sage Parts and is not an unconditional guarantee against all hazards or failures (see Exclusions and Limitations to Limited Warranty).

If it is determined that a remanufactured transmission or part furnished by Sage Parts is defective in workmanship or material, Sage Parts will allow a labor allowance (some restrictions apply, see Warranty Labor Allowance). The labor allowance shall be credited to Purchaser only upon a determination that a remanufactured transmission or a part supplied by Sage Parts is defective in material or workmanship. The limited warranty period begins on the original date of sale to the retail Purchaser. In the event a replacement-remanufactured transmission is provided to the Purchaser, the warranty period does not start over on the date the Purchaser is supplied with the replacement. The warranty period runs from the original date of sale to the Purchaser and is not extended by supply of a replacement.

There are no warranties that extend beyond the description herein. All other warranties express or implied, including but not limited to, all warranties of merchantability and fitness for a particular purpose are hereby disclaimed and excluded by Sage Parts. Sage Parts transfers only such title or rights as it has on the goods it sells. No statement or undertaking whether a condition, warranty or otherwise, is given by Sage Parts that the goods do not comprise or include patented, and registered or protected designs inventions or equipment or trademark or copyright material. The above limited warranty is void and will not apply in the event the Purchaser does not follow the vehicle manufacturer's instruction or in any way abuses the vehicle. The above warranty

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does not apply to goods supplied to vehicles used for racing or any type of vehicular competition.

In the event that any provision of this warranty should be or become invalid or unenforceable because of any laws or court action, the remaining terms and conditions hereof shall remain in full force and effect.

EXCLUSIONS AND LIMITATIONS TO LIMITED WARRANTY

This Limited Warranty does not warrant against and does not cover damage or loss due to the following:

1. MISUSE, MAINTENANCE NEGLECT, ABUSE, VANDALISM, ABNORMAL OPERATION, COMMERCIAL SNOW REMOVAL OR ACCIDENTS.
2. DEFECTIVE OR IMPROPER INSTALLATION.
3. ENVIRONMENTAL CONDITIONS, OVERHEATING OR FREEZE CRACKS.
4. LACK OF LUBRICANTS OR FLUIDS.
5. IMPROPER COOLING SYSTEM FLUSHING.
6. FAILURES TO COMPONENTS OR PARTS NOT FURNISHED BY SAGE PARTS OR OTHERWISE APPROVED BY SAGE PARTS FOR INSTALLATION, OR COMPONENTS OR PARTS UNSUITABLE FOR USE WITH A WARRANTED REMANUFACTURED TRANSMISSION OR PART.
7. ABNORMAL WEAR AND TEAR OR USE OF A REMANUFACTURED TRANSMISSION OR PART FROM WHICH IT WAS ORIGINALLY INTENDED OR A CHANGE FROM ORIGINAL APPLICATION.
8. INTERNAL MODIFICATION WITH AFTERMARKET PERFORMANCE PARTS

This Limited Warranty does not cover or provide credit for the following: Replacement fluids or other substances; towing charges, vehicle rental, or other substitute transportation; diagnostic time, labor (except as set forth herein) or service call; gaskets or other parts or items associated with but not included with this limited warranty; transportation charges or lodging; loss of time, income, sales or profits; loss of the use of vehicle; telephone calls or communication expense; lift, truck or storage fees; tune-ups or replacement of hoses or maintenance items; routine or regularly required maintenance; injury or death to persons or damage or destruction of property; or, consequential, incidental or punitive damages.

CONDITIONS TO COVERAGE

This Limited Warranty is subject to the conditions set forth below. Failure to comply with these conditions will void this Limited Warranty.

1. The Purchaser must follow the claims procedure described when making a claim or this warranty will be void and of no force and effect.
2. A remanufactured transmission or part that is furnished as a replacement under this Limited Warranty for a remanufactured transmission or part found to be defective is warranted only for the unexpired warranty period remaining on the original defective remanufactured transmission or part.

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3. This warranty is limited to one replacement transmission during the warranty period.

This Limited Warranty is of no force or effect while any payments for remanufactured transmission or parts remain outstanding. Claims for transmission parts must be made at the initial delivery to the Purchaser of the remanufactured transmission.

Sage Parts Warranty Claims Procedure

Procedure:

- Whenever a warranty situation arises, it is essential that the customer contact Sage Parts Customer Service Department @ 631-719-1300
- At the onset of the call the Customer Service Representative will ask for the following mandatory information
 - o Customer Name
 - o Contact Name
 - o Contact Phone Number
 - o Original Sales Order, Date of Purchase or Date of Install (one of the three)
 - o Mileage or Hours Since Install
 - o Unit Serial Number
 - o Description of Complaint
- During the collection of this information the Customer Service Representative will be creating a Warranty Claim Document
- On completion a Warranty Claim Number will be issued
- At this point the call will be forwarded to the Sage Parts Warranty Administrative team
 - o If a warranty representative is not available, the customer should expect a call back by the end of the current business day
 - o Calls after 3pm may not be returned till the following morning Friday afternoon calls may not be returned till Monday morning
- In many cases, our technical support personnel will be able to analyze the problem and recommend adjustments that will eliminate the need for a replacement transmission
- If our technician is unable to resolve the problem, you will be issued a RMA for the return of the unit

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- It is essential that an RMA number be obtained in order for any labor credit to be allowed or approved
- At any point in the process the customer may place an order for a replacement unit at this time
 - o Replacement unit will be invoiced to the customer at time of shipment
 - o Offsetting credit will be issued if the unit is in fact determined to be a valid warranty claim

Documentation

- When returning a defective transmission to Sage Parts, the Printed RMA, with the serial number of the unit, must be used as the packing list for the shipment
- Units returned without proper documentation will NOT BE PROCESSED AS A WARRANTY, instead, the unit will be processed as a core and core credit only will be issued to the customer
- In addition, the defective transmission should be fully assembled and include the torque converter for full credit to be issued

Prior to Shipping:

- Drain ALL transmission fluid from the unit, and install the torque converter retaining brackets and other protective plugs and caps provided with your remanufactured transmission.
- Following our Core Return Procedure, carefully repackage the transmission as it was originally shipped to you. If it was shipped to you in a plastic POD, carefully place the transmission in the POD and tighten the internal straps to hold the transmission in place. If it was shipped to you on a wooden pallet, place the transmission in the plastic bag, place the bagged transmission on the pallet and secure the transmission to the pallet.
- When shipment is ready for pickup, call our Logistics department, give them the RMA number and they will arrange for pick up of the unit

Failure to follow this procedure may void your warranty

WARRANTY UNIT LABOR ALLOWANCE

- A labor allowance may be issued upon request at Sage Parts discretion
- A labor allowance is limited to the first year of the applicable warranty period
- In the second year of an applicable warranty period, Sage Parts will supply the Purchaser with a replacement, remanufactured transmission, only with no consideration for labor costs
- In order to receive a labor allowance, the Purchaser must have first contacted Sage Parts as called out in the Warranty Procedure later in this document
- The Purchaser must receive a claim reference number for the transmission
- Sage Parts must have been contacted prior to the removal of the transmission that is allegedly defective
- Upon receiving the allegedly defective transmission, Sage Parts will thoroughly inspect, analyze and

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- determine the reason for failure
- Valid reasons for a labor allowance to be issued include remanufacturing error, part failure, and torque converter failure
- Installer, vehicle, wrong application or other (no problem found) claims will not receive labor allowance
- In addition Sage Parts reserves the right to bill the purchaser for any installation damage, abuse and damage due to improper cooling system flushing
- Labor allowance credits will be given pursuant to the following schedule:

AUTOMATIC TRANSMISSION LABOR ALLOWANCE

- The labor allowance credit shall be provided by Sage Parts at \$50 per hour pursuant to the Mitchell Warranty Book Time for the work to be conducted
- Only labor charges paid to a professional installer will qualify as refundable, provided, however, no more than \$350.00 shall be credited as a labor allowance hereunder
- No other labor allowance credit shall be provided by Sage Parts other than as specified above

**If you have questions, please call our Sage Parts Customer Service Department
631-501-1300**

Business hours Monday – Friday 7:00am to 6:00pm (Eastern)

CORE CREDIT REQUIREMENTS

- Reference of a core charge is required.
- To receive full credit the core must be complete and useable or the following charges will be assessed
 - Torque converter is not returned -\$50
 - Case damaged or cracked -\$150
 - If core does not match the transmission and converter sold, NO CREDIT will be given without prior authorization

CORE RETURN INSTRUCTIONS

Attach the following to the core before shipping

- RMA for return of core must be used as packing list for shipment (included with the documents you received)
- Include the Reverse Bill of Lading (included with the documents you received)
- If documentation is not available you MUST call Sage Parts for replacement documentation
- Units shipped with no documentation will no receive core or warranty consideration