

55SI™: Designed for Demanding Loads

The 55SI high output heavy duty alternator is designed to take on the demanding electrical loads of today's heavy duty vehicles. Thanks to its brushless design, the 55SI alternator has fewer moving parts—meaning less wear and longer life.

The 55SI also provides high efficiency so the engine horsepower requirements are less, which translates into substantial fuel savings. Weighing in at 43 lbs. with an 8 inch frame, the 55SI frees up engine mounting space. It is available in both pad and hinge mounting styles. Finally, with Remote Sense that reduces battery charge time by 50%, we keep you moving and on the road.

The 55SI is available in both 12 volt and 24 volt:

12 volt

- Produces up to 430 amps
- Ideal for utility and work trucks, fire trucks and long haul trucks with auxiliary power units

24 volt

- Produces up to 275 amps
- Ideal for wheel loaders, graders and mining equipment

DELCO REMY[®] 55SI™ High Output Heavy Duty Alternator



24 Volt / 275 Amps

OFF-HIGHWAY APPLICATIONS:



80% efficiency
rating = fuel
savings



Durable
brushless
design



Hinge
and pad
mount options

Tech Tip: Measuring Flange to Flywheel

In this Tech Tip, we'll review how starter spacers are utilized as well as how to measure the starter flange to flywheel so that during any maintenance, the starter is properly mounted and performs as designed.

The starting motor is an intermittent use component used exclusively to crank the engine via the flywheel at a sufficient speed to start the engine.

The starting motor at rest must be disengaged and properly positioned far enough from the flywheel so that it does not create interference when the engine is running, and close enough to properly engage when an engine crank is desired. This distance from the starting motor flange mounting surface to the engine flywheel is referred to as the flange-to-flywheel dimension, and is a standard set by engine manufacturers.



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Filing Warranty Claims: Fast and Easy

No one likes having to file a warranty claim, so we've done our best to make it fast and easy to complete. And it's all online, which saves time and allows you to check the status of your claim whenever you want.

If you need to file a claim for a warranted product, follow these steps:

SET UP AN ONLINE ACCOUNT

First, you need to register for an account at www.delcoremywarranty.com.

It takes just a few minutes to set up an account.

- 1 Select your customer grouping and click "Register."

There are several customer group options:

IWD DIRECT: Independent warehouse distributors who have an account directly with us. If an IDW files a claim that is warranted, BorgWarner will issue a credit against future orders.

DEALER DIRECT: OEM dealers who submit and view warranty claims for Delco Remy products that are outside the OEM Truck Warranty Policy but still within the Delco Remy Genuine Products Warranty Policy.

FLEET DIRECT: Fleets that submit and view warranty claims for Delco Remy products that are outside the OEM Truck Warranty Policy but still within the Delco Remy Genuine Products Warranty Policy. Fleets must be approved by Delco Remy Fleet Managers and are generally added as part of a specification agreement.

OEM DEALER: OEM dealers with access to view analysis results and photos taken during analysis for warranty claims filed through their OEM affiliation.

OEM CORPORATE: OEM corporate users with access to view analysis results and photos taken during analysis for warranty claims filed through their dealer network.

- 2 Complete the registration form.
- 3 Click the "Submit" button to send your request.
- 4 Once you have been set up in our system, you'll receive an email with your credentials. It generally takes 24-48 hours to confirm and send credentials.

SUBMIT AND VIEW CLAIMS

Once you have your credentials, log in to **www.delcoremywarranty.com** to file or view claims.

- 1 Click on the login link under "Warranty Customer Login."
- 2 Enter your credentials. You will be taken to a welcome page with your specific dealer name listed.

- 3 To submit claims, click on the link provided. To view an existing claim, click on the link provided.

There are resources on the website to assist you with filing your claim, including shipping information and warranty guidelines.


- 4 Complete the online claim form and click "Add Claim." The screen will go back to a blank form in case there are additional claims to be filed. Select "Add Claim" after each one. After all claims have been inputted, scroll to the bottom of the page and click "Submit Claims."
- 5 After the claims have been submitted electronically, a confirmation email will be sent

to the contact's email address on file. Place a copy of the confirmation email in with the part to be returned.


- 6 Complete a return shipping label through our website to return the failed part on our shipping account. For shipments over 150 lbs., contact ProTrans Logistics at 888-747-7369 to schedule a pick-up.

The analysis and part disposition will be determined within 30 business days of receipt of the part and claim.

*Note: If you prefer to file a paper form, you can download and print a claim form at **delcoremywarranty.com**.*

**Customer Shipping**www.delcoremy.comwww.delcoremywarranty.com

Select your label printing form below:

[Warranty Returns](#) 

Core Return Freight Policy, Contact Information and Forms:

- Complete "Bill of Lading" as follows: **Used auto parts, each less than 50 lbs. in package, value of reconditioning only, NMFC 62120-3 CLASS 70.** This information in bold MUST be on the BOL when returning all cores.
- 500 lbs or more, prepaid freight - Contact ProTrans International:
 - o 888-747-0276
 - o 248-848-5771
- Customer pays freight for core shipments less than 500 lbs.
- For cores returned through a third party, contact your company representative.
- For assistance with BorgWarner core returns:
 - o Telephone: 888-488-0276
 - o Fax: 601-481-1936
 - o Email: cores@borgwarner.com

Measuring Flange to Flywheel

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In most cases, the transmission or flywheel housing where the starting motor mounts is designed and machined with the specified flange-to-flywheel dimension with no additional components or spacers needed.

In some applications, the housing may require the use of an OE-provided spacer that comes with the engine. It is designed to ensure proper clearance between the starter pinion and the engine ring gear.

During removal of the starter, it's not uncommon for the OE spacer to stick to the old starter. It's always good practice to check if the spacer is attached to the old starter nose housing during removal. It may also be attached to the engine. Secure it for re-installation.

If you are unsure if the engine requires an OE spacer—or if it's damaged or lost—we recommend you contact the engine manufacturer for details, or measure the flange-to-flywheel dimension.

The flange-to-flywheel dimension on the engine specified by SAE is typically 49.3 to 52.3 mm, from the starting motor mounting surface to the ring gear face.

In order to measure this dimension, you must remove the starter. Make sure the mounting surface is clean and free of debris. Using a depth micrometer, place it flat on the mounting surface of the flywheel housing and measure the distance to the ring gear face.



You Tube

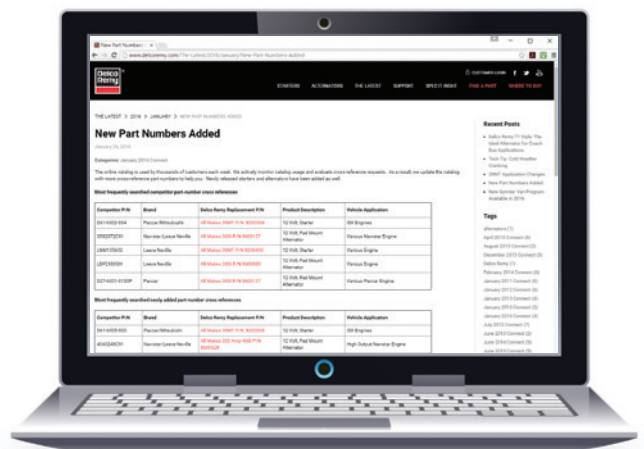
Watch our most recent Tech Tip videos at www.youtube.com/delcoremy100 to learn more about measuring the flange-to-flywheel dimension and proper installation of the starter.

If you have any questions, contact Technical Customer Service at 800-372-0222 or visit us at delcoremy.com.

New Part Numbers



Go to The Latest at delcoremy.com to find a listing of recently released part numbers and new cross references.



Indiana high school basketball with our own Tech Tip man, Rob Steele

Send your creative shot to delcoremyconnect@borgwarner.com for a chance to score a spot in our next issue.

Go to The Latest at delcoremy.com to download your own Delco Remy branded sign.