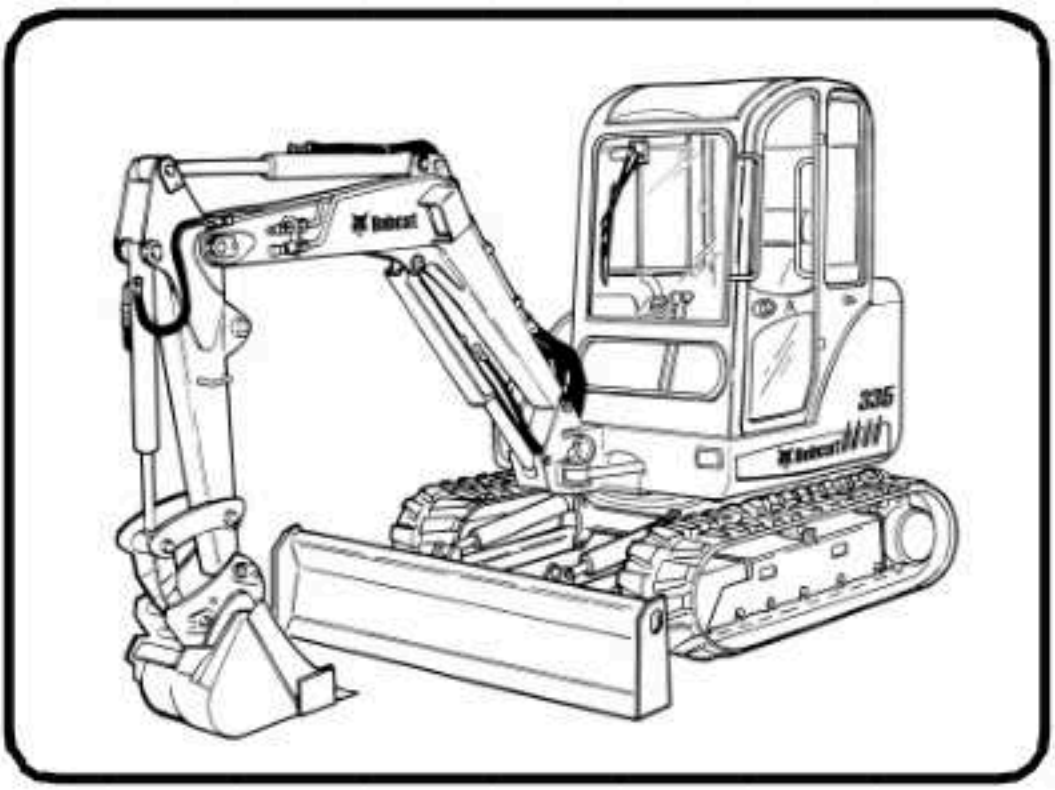
Bobcat®

Service Manual
335 Compact Excavator

S/N A16U11001 & Above



6904775 (10-09)

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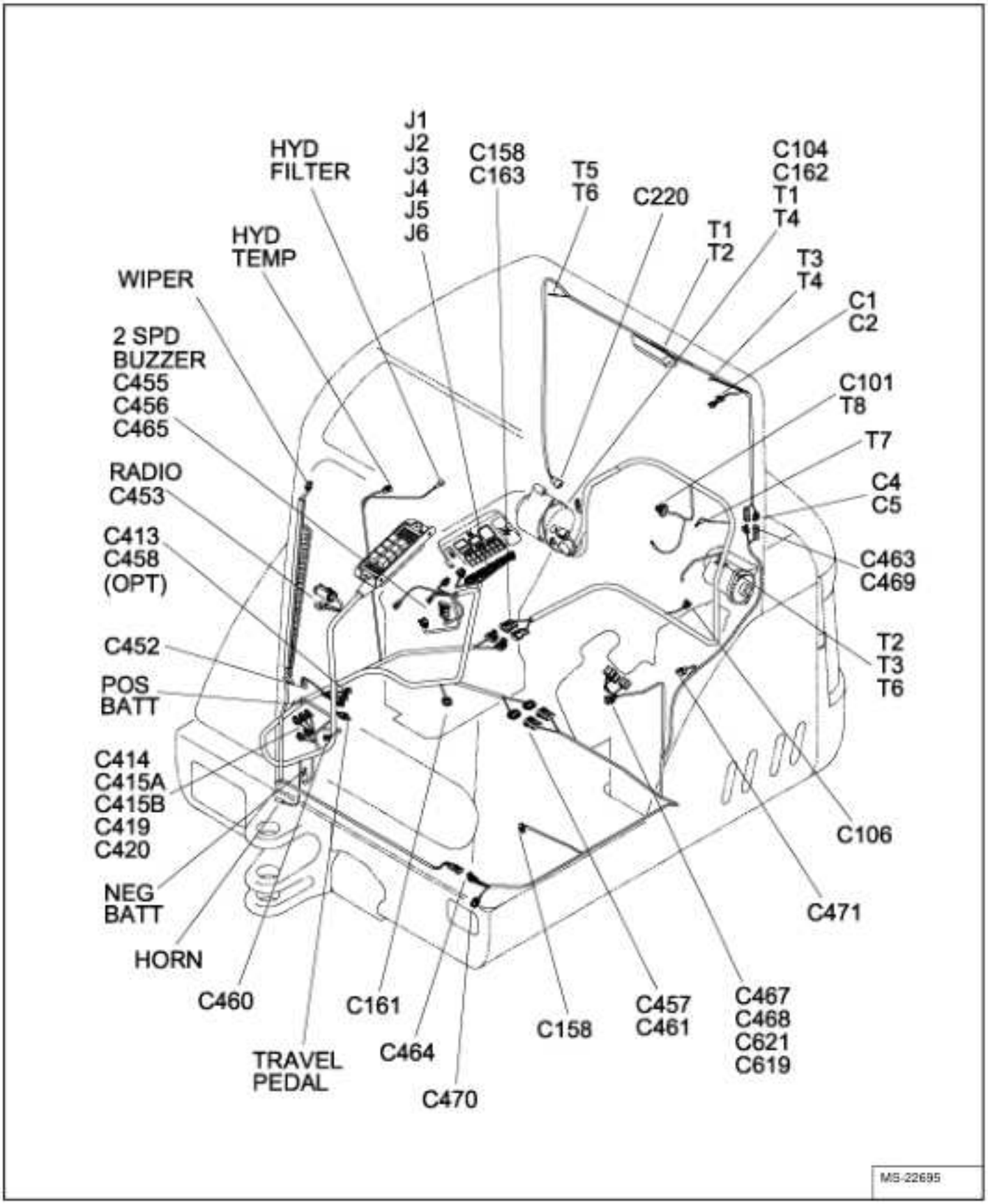
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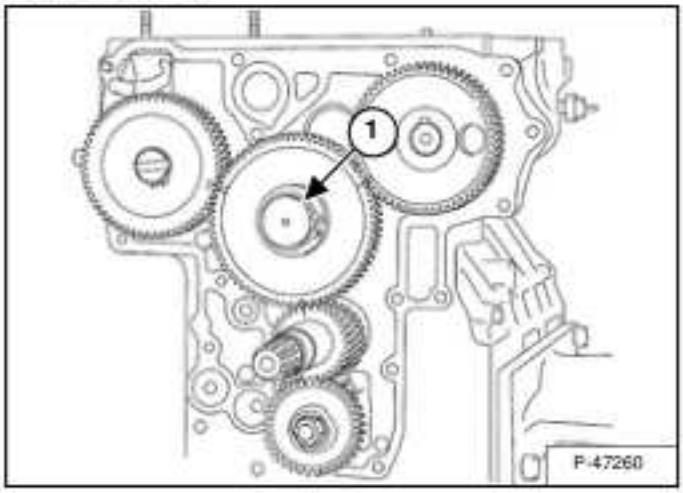


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Idler Gear And Shaft Removal And Installation

Remove the timing gearcase cover. (See Timing Gearcase Cover Removal And Installation on page 60-100-1.)

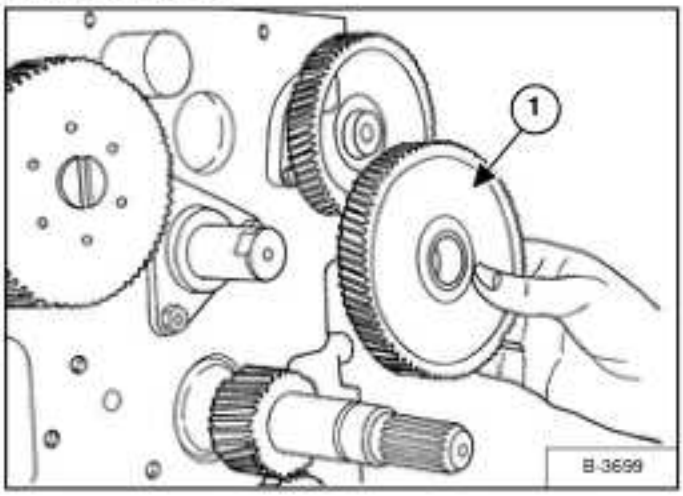
Figure 60-100-11



Remove the snap ring (Item 1) and collar from the idler gear shaft **[Figure 60-100-11]**.

Installation: Make sure the timing marks are in correct alignment when installing the timing gears **[Figure 60-100-11]**.

Figure 60-100-12

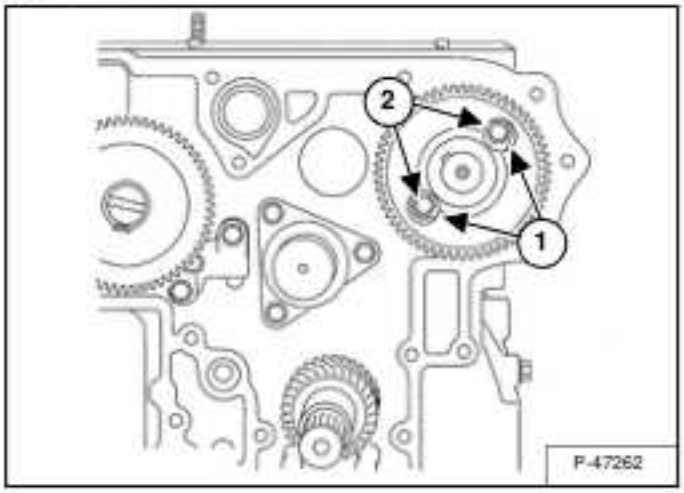


Remove the idler gear (Item 1) **[Figure 60-100-12]**.

Installation: Check the idler gear end play. If the clearance exceeds the allowable limit, replace the gear collar.

Idler Gear End Play	0.005 - 0.019 in. (0,12 - 0,48 mm)
Allowable Limit	0.035 in. (0,9 mm)

Figure 60-100-13

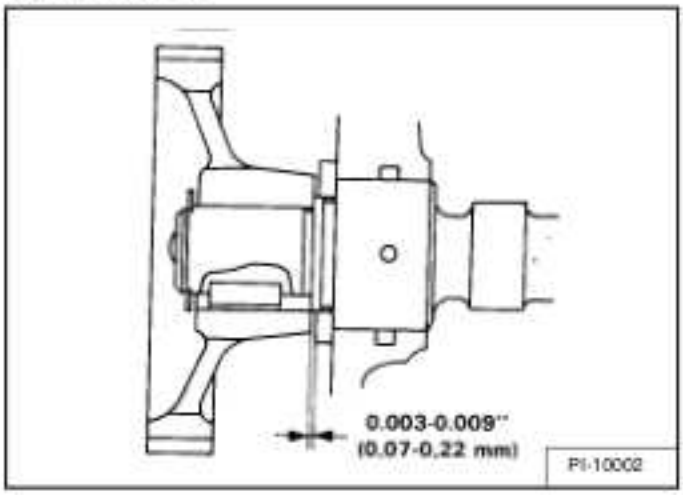


Align the holes (Item 1) on the camshaft gear with the camshaft retainer plate bolts (Item 2) **[Figure 60-100-13]**. Remove the bolts.

Installation: Tighten the camshaft retainer bolts to 17 - 20 ft.-lb. (24 - 28 N•m) torque.

Remove the camshaft from the engine block.

Figure 60-100-14



Installation: Check the camshaft end play. If clearance exceeds the allowable limit, replace the camshaft retainer plate **[Figure 60-100-14]**.

Camshaft End Play	0.0028 - 0.0087 in. (0,07 - 0,22 mm)
Allowable Limit	0.012 in. (0,3 mm)

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Gauge Pressure Related Troubleshooting (Cont'd)

	POSSIBLE CAUSE	INSPECTION	SOLUTION
	System pressures Equal		
1.	Clutch not operating	See magnetic clutch related topics above.	
2.	Compressor not pumping.	Equal high and low pressures.	Replace compressor.

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SAFETY INSTRUCTIONS

Safety Alert Symbol

This symbol with a warning statement means: "Warning, be alert! Your safety is involved!" Carefully read the message that follows.

WARNING

Instructions are necessary before operating or servicing machine. Read and understand the Operation & Maintenance Manual, Operator's Handbook and signs (decals) on machine. Follow warnings and instructions in the manuals when making repairs, adjustments or servicing. Check for correct function after adjustments, repairs or service. Untrained operators and failure to follow instructions can cause injury or death.

W-2003-0903

IMPORTANT

This notice identifies procedures which must be followed to avoid damage to the machine.

I-2019-0284

DANGER

The signal word DANGER on the machine and in the manuals indicates a hazardous situation which, if not avoided, will result in death or serious injury.

D-1002-1107

WARNING

The signal word WARNING on the machine and in the manuals indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

W-2044-1107

The following publications provide information on the safe use and maintenance of the Bobcat machine and attachments:

- The Delivery Report is used to assure that complete instructions have been given to the new owner and that the machine is in safe operating condition.
- The Operation & Maintenance Manual delivered with the machine or attachment contains operating information as well as routine maintenance and service procedures. It is a part of the machine and can be stored in a container provided on the machine. Replacement Operation & Maintenance Manuals can be ordered from your Bobcat dealer.
- Machine signs (decals) instruct on the safe operation and care of your Bobcat machine or attachment. The signs and their locations are shown in the Operation & Maintenance Manual. Replacement signs are available from your Bobcat dealer.
- An Operator's Handbook fastened to the operator cab. It's brief instructions are convenient to the operator. The handbook is available from your dealer in an English edition or one of many other languages. See your Bobcat dealer for more information on translated versions.
- The AEM Safety Manual delivered with the machine gives general safety information.
- The Service Manual and Parts Manual are available from your dealer for use by mechanics to do shop-type service and repair work.
- The Compact Excavator Operator Training Course is available through your local dealer or at **www.training.bobcat.com** or **www.bobcat.com**. This course is intended to provide rules and practices of correct operation of the Bobcat excavator. The course is available in English and Spanish versions.
- Service Safety Training Courses are available from your Bobcat dealer or at **www.training.bobcat.com** or **www.bobcat.com**. They provide information for safe and correct service procedures.
- The Bobcat compact excavator Safety Video is available from your Bobcat dealer or at **www.training.bobcat.com** or **www.bobcat.com**.

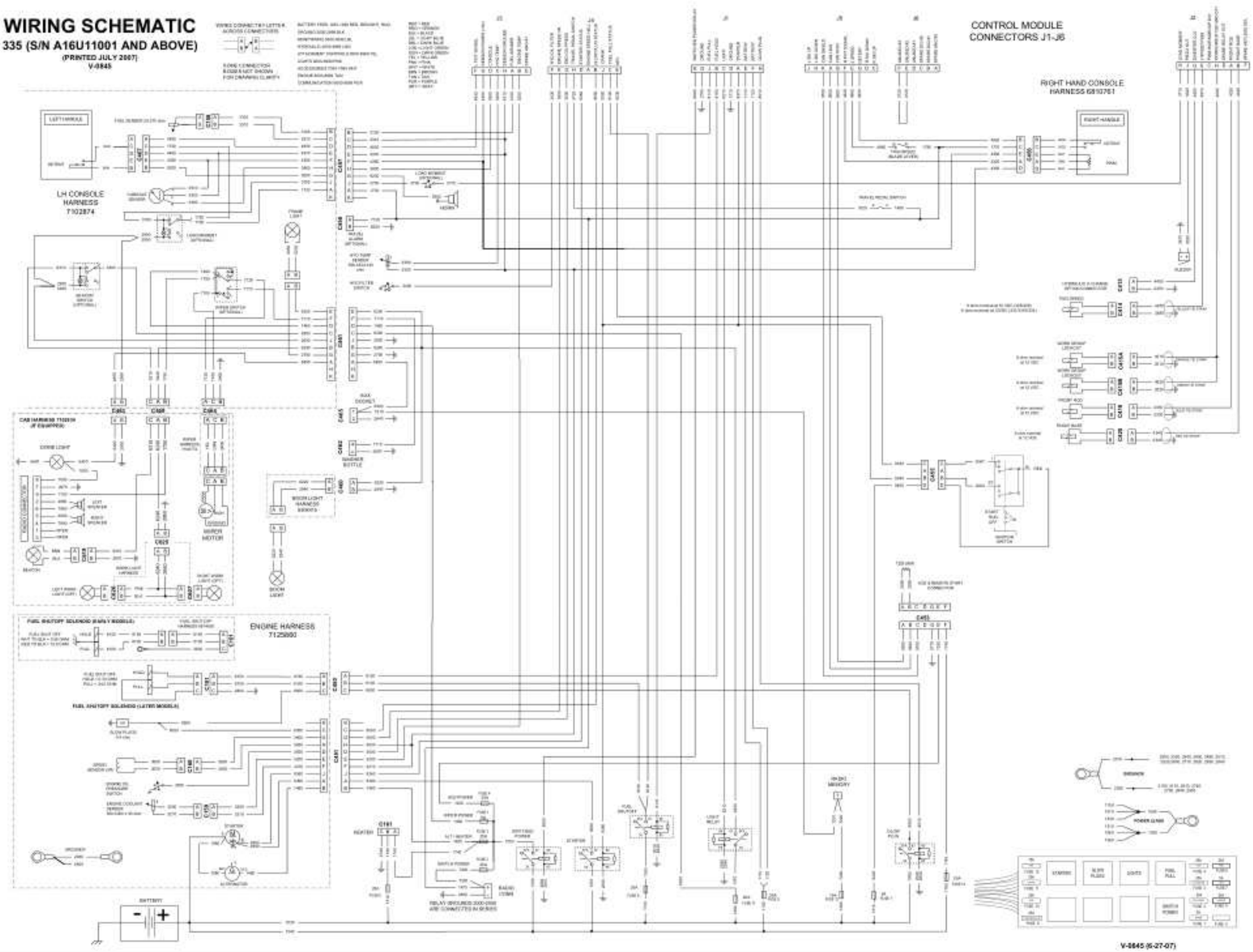
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WIRING SCHEMATIC

335 (S/N A16U11001 AND ABOVE)

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