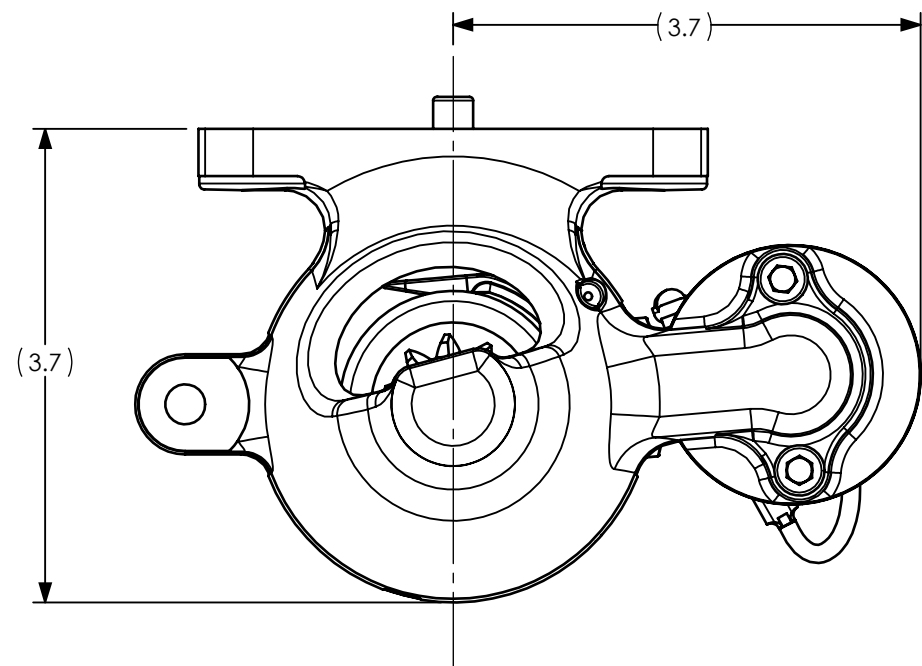
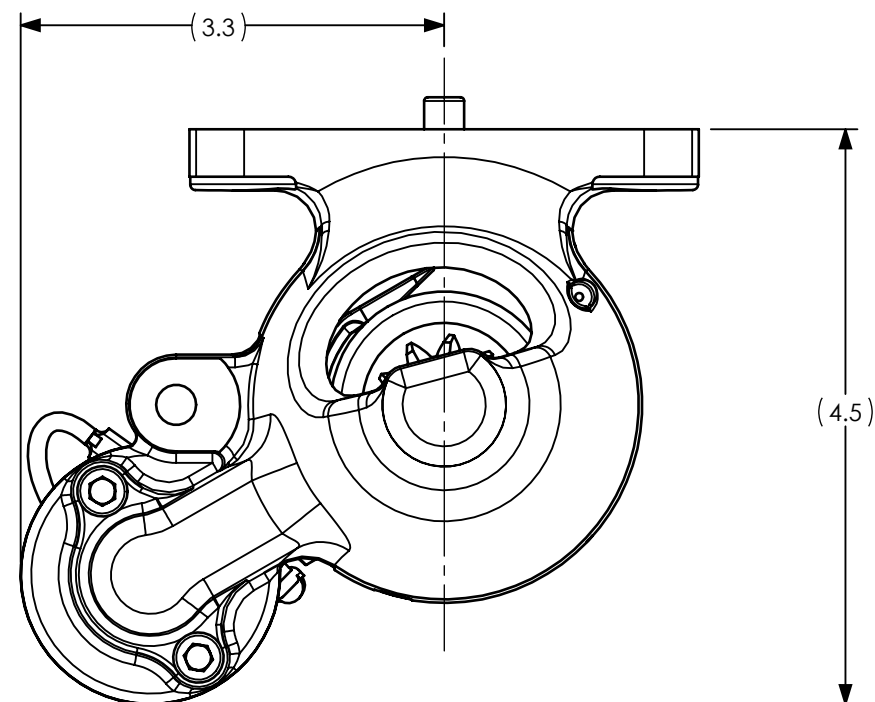
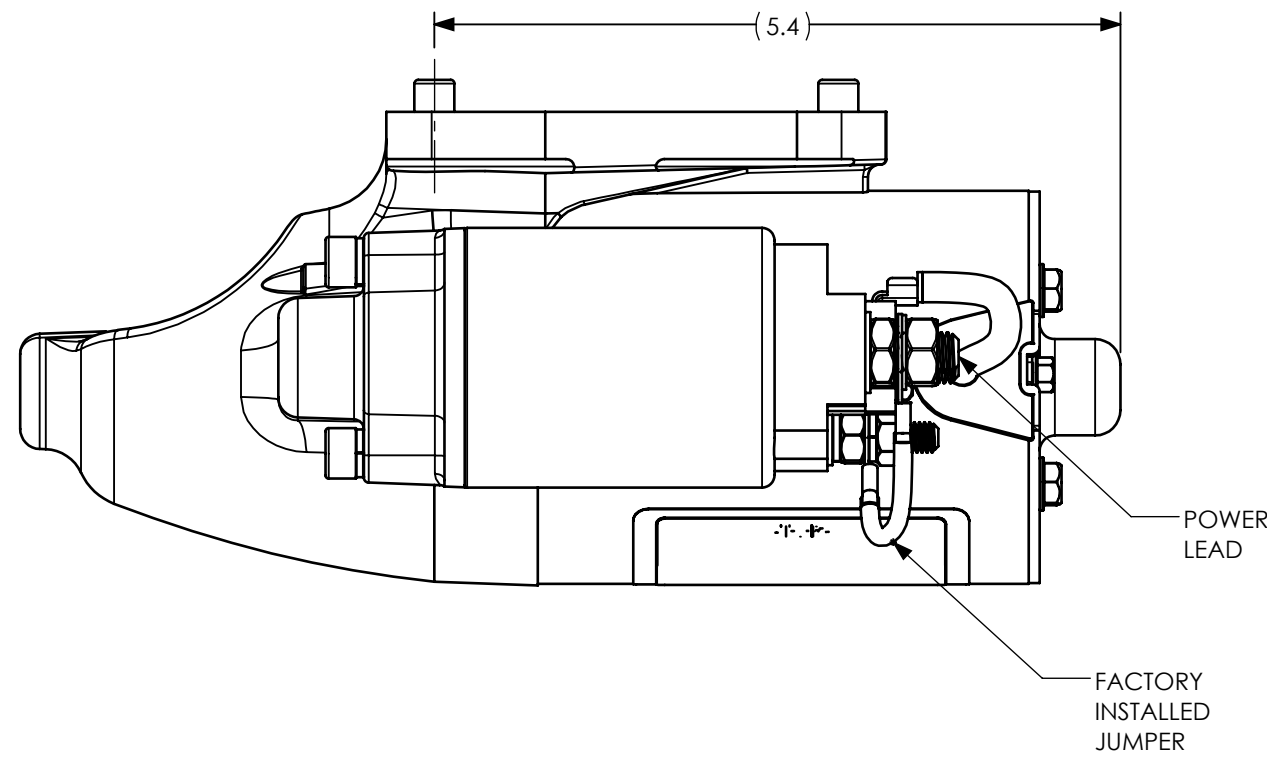


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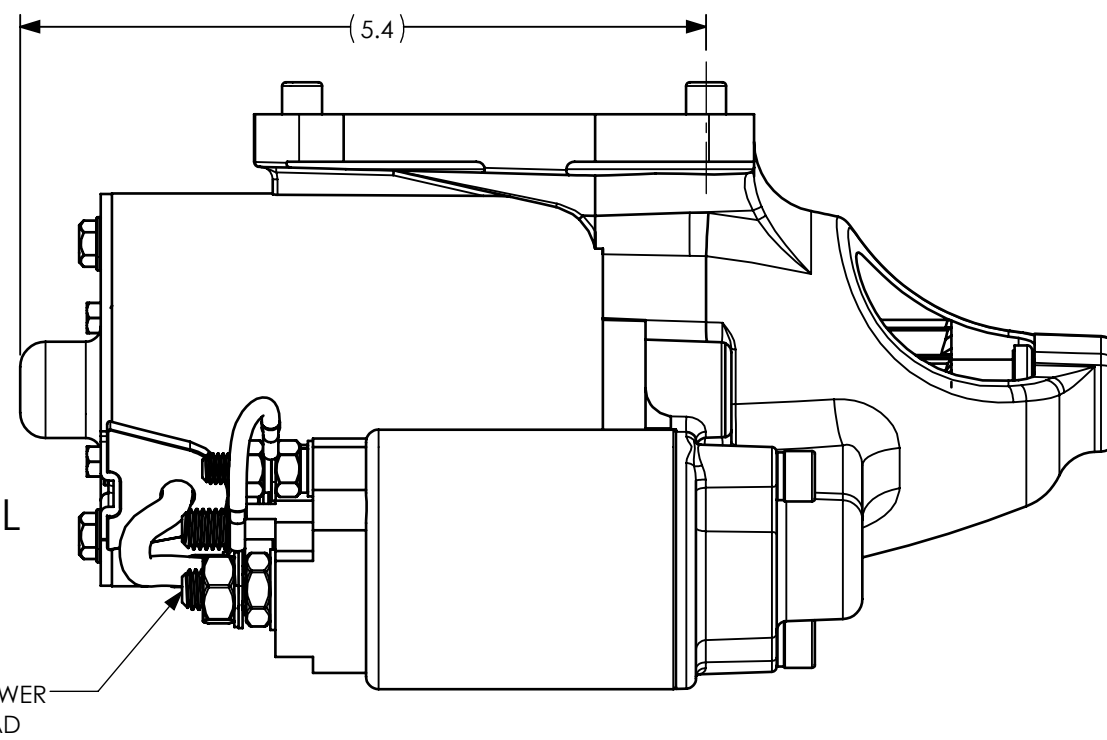
REVISIONS				
ECO	REV.	DESCRIPTION	BY	DATE
123518	K	1) REDRAWN IN SOLIDWORKS; 2) FORMAT: HET WAS SKYTEC; 3) REMOVED PMA DATA TABLE AND LABEL GRAPHIC; 4) REMOVED INSTALLATION AIDS	EAB	10/20/16



LS MODEL



PM MODEL



INSTALLATION INSTRUCTIONS:

- DISCONNECT POWER CABLE AND UNBOLT OLD STARTER FROM THE ENGINE.
- MOUNT NEW STARTER USING THE NEW LOCK WASHERS SUPPLIED AND TORQUE TO 100 IN-LBS.
- REMOVE THE CRANKING INFORMATION TAG FROM THE NEW STARTER BY REMOVING THE 8MM NUT FROM THE POWER TERMINAL AND PLACE THE TAG IN CUSTOMER'S LOG.
- ATTACH POWER CABLE USING A 13MM WRENCH ON THE 8MM NUT PREVIOUSLY REMOVED FROM THE POWER TERMINAL AND TORQUE TO 50 IN-LBS. (DO NOT OVERTORQUE, INSULATOR WILL BREAK)
- PLACE A MS25171 INSULATING NIPPLE OF THE PROPER SIZE ON THE POWER TERMINAL.
- CONTINUING AIRWORTHINESS: THE STARTER SHOULD BE RETURNED TO THE FACTORY FOR OVERHAUL AT 2700 HOURS OF ENGINE OPERATION, OR WHEN A MAJOR OVERHAUL OF THE ENGINE IS PERFORMED, OR IF SERVICING IS REQUIRED. AN OCCASIONAL DROP OF OIL CAN BE PLACED ON THE PINION SHAFT TO HELP PREVENT RUST FROM FORMING. NO OTHER MAINTENANCE IS REQUIRED OR RECOMMENDED.

SPECIFICATION CLASSIFICATION		
CLASSIFICATION	DIMENSION CONVENTION	NOTE NO. CONVENTION
CRITICAL	<XX.XX>	<#>
MAJOR	[XX.XX]	[#]
MINOR	XX.XX	#
REFERENCE	{XX.XX}	{#}

UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND PLATING  
 .X = ±.015  
 .XX = ±.010      ANGLES ±1°  
 .XXX = ±.005  
 BREAK ALL EDGES AND MACHINE ALL INSIDE CORNER FILLETS .015 MAX.  
 SURFACE FINISH 125/

THIS DRAWING CONTAINS INFORMATION THAT IS CONFIDENTIAL AND PROPRIETARY TO HARTZELL ENGINE TECHNOLOGIES. THIS DRAWING IS FURNISHED ON THE UNDERSTANDING THAT THE DRAWING AND THE INFORMATION IT CONTAINS WILL NOT BE COPIED OR DISCLOSED TO OTHERS EXCEPT WITH THE WRITTEN CONSENT OF HARTZELL ENGINE TECHNOLOGIES. WILL NOT BE USED TO THE DETRIMENT OF HARTZELL ENGINE TECHNOLOGIES, AND WILL BE RETURNED UPON REQUEST BY HARTZELL ENGINE TECHNOLOGIES.

GEOMETRIC SYMBOLS PER ANSI Y14.5
FLATNESS
STRAIGHTNESS
ROUNDNESS
CYLINDRICITY
PROFILE
PERPENDICULARITY
POSITION
CONCENTRICITY
SYMMETRY
ANGULARITY
PARALLELISM
CIRCULAR RUNOUT
TOTAL RUNOUT

DRAWN	EAB	10/20/16
ENGINEER	K. NORD	
APPRVD.	123518	
FINISH	N/A	
WEIGHT	N/A	
MATERIAL	N/A	
SIZE	SH 1 OF 1	CODE ID 65PY1

		2900 Selma Highway Montgomery, AL 36108	
		<b>LS/PM INSTALLATION INSTRUCTIONS</b>	
DRAWING NO. ST20101		REV. L	