

# **BERT BELLHOUSING INSTALLATION**

## **Wadon Racing**

LONG DOWEL PINS ARE NECESSARY TO LOCATE BELL HOUSING THRU MOTOR PLATE OR REAR ENGINE MOUNT. MAKE SURE THE ALIGNMENT DOES NOT RUN OUT OF TRANSMISSION REGISTER (.005") AND FACE OF HOUSING .006 TO CRANKSHAFT.

WITH BELL HOUSING, FLYWHEEL AND STARTER INSTALLED (NOT INCLUDING TRANSMISSION) IT IS IMPORTANT TO CHECK CLEARANCE BETWEEN FACE OF FLYWHEEL AND FACE OF IDLER GEAR. CLEARANCE SHOULD BE .060" To .080" TO ADJUST CLEARANCE IT MAY BE NECESSARY TO ADD SHIMS #324 040 EACH SIDE OF FLYWHEEL TO OBTAIN CORRECT CLEARANCE.

SINCE THE INTRODUCTION OF THE BERT BELL THERE HAVE BEEN SEVERAL STARTER UPDATES. THE LATEST IS HITACHI WITH THIS STARTER, IDLER GEAR SPRING #308. YOU MUST HAVE A WIRE DIAMETER OF .061 THE EARLIER SPRING IS 072" OR MORE AND WILL NOT WORK. BOTH GROUND (NEG) AND HOT (POS) WIRES STARTER NEEDS TO BE NO LESS THAN #14 GAUGE. THIS IS TO INSURE GOOD VOLTAGE. BEFORE INSTALLING TRANSMISSION TRY STARTER TO SEE IF CORRECT ENGAGEMENT & DISENGAGEMENT OCCURS.

## **MAINTENANCE**

GREASE IDLER GEAR AT GREASE ZERK. DO NOT OVERGREASE BECAUSE THIS SYSTEM IS A GEAR Reduction, INSPECTION OF ALL PARTS SHOULD BE CHECKED AT REGULAR MAINTENANCE. REMOVING STARTER CAN DO THIS, PUSH IDLER GEAR IN SLIGHTLY TO SEE IF BUSHING IS WEARING BY ROCKING GEAR. LOOK AT SPRING TO SEE IF IT IS IN GOOD CONDITION. CLEAN IDLER GEAR AND SHAFT OF EXCESS GREASE & DIRT. CHECK IDLER GEAR & FLYWHEEL TEETH.

## **HELPFUL HINTS**

DON'T USE THIS UNIT TO LOAD CAR ON TRAILER OR TO PRIME OIL SYSTEM OR FUEL SYSTEM. WHEN ADJUSTING V ALVES REMOVE SPARK PLUGS. THIS UNIT IS DESIGNED TO START MOTOR ONLY WITHOUT EXCESSIVE ROTATION. IF YOU HAVE A PEGGED DISTRIBUTOR, PUSH STARTER BUTTON TO ROTATE MOTOR THEN TURNING IGNITION ON. IF MOTOR KICKS BACK, DAMAGE TO FLYWHEEL, IDLER GEAR OR STARTER WILL OCCUR.

**IF YOU HAVE ANY FURTHER QUESTIONS CALL 843-916-0620**

## **PART LIST**

<b>PART#</b>	<b>ITEM</b>	<b>PART#</b>	<b>ITEM</b>
300	MODIFIED BELLHOUSING COMPLETE	314	TRANSMISSION STUD
301	LATEMODEL BELLHOUSING	315	CAM PLATE 8.8
303	COMPLETE IDLER GEAR	316	CAM DRIVE
304	BUSHING IDLER GEAR	317	FORD FLYWHEEL ADAPT
306	SHIFT IDLER GEAR	318	L/M FLYWHEEL GILMER SPEC
307	PLATE FOR IDLER GEAR	319	APPLICATION CAM PLATE S B
308	SPRING IDLER GEAR	320	L/M FLYWHEEL HTD SPEC
309	WASHER IDLER SPRING	321	APPLICATION PS PUMP DRIVE
310	GREASE FITTING	323	BERT STARTER SPEC L/MODEL OR
311	FLYWHEEL MOD	324	MODIFIED SHIM FLYWHEEL .040
312	FLYWHEEL MOD .454	325	TRANSMISSION OIL
313	STARTER STUD		GOLDEN SPECTRO SAE 80W