UMSS Traditional Series – B Engine

To the signee of this form;

The engine you are certifying is being certified for use in a UMSS Traditional Sprint Car. The UMSS has created a sealed engine program that allows the signee of this form to certify and seal an engine for use in a UMSS Traditional Sprint Car. By filling out and signing this form, you, as the signee of this form, are certifying the engine complies with the specifications outlined in this checklist. If an engine you have certified and sealed is later found to be illegal, any driver using the engine you certified will face fines and a suspension as published in the UMSS rule book.



Please contact David L. Anderson at anderson@sherbtel.net if you have any questions on the engine certifying process.

David L. Anderson UMSS Tech

UMSS B Engine Certification Checklist v. 1.0

SIGNEE INFORMATION					
Name:					
Address:					
Teleph	one number:				
CHEC	KLIST				
	o F o C	engines hevrolet 305, 307, 327, 350060" max overbore ord 302, 351060" max overbore hrysler – 318, 360040" max overbore hrysler – 340060" max overbore	Bore Stroke		
	Compression Ratio Maximum c	ompression ratio allowed is 9.5:1	Compression ratio		
	2 bolt blockSplayed car	ck, passenger car/truck 2 or 4 bolt iron blocks only s cannot be converted to a 4 bolt block os are not allowed g allowed. All stock mounts must remain	Block casting number		
	crankshafts Lightening, is not allowed is not allowed is not allowed is not allowed in the crankshaft is crankshaft. The only leg is considered in the constant is constant in the constant is constant in the constant is constant in the constant in the constant is constant in the consta	naft must match the block. Interchanging of or connecting rods is not allowed knife edging, or polishing of the crankshaft throws an aft flange may be machined to fit the rear motor rque ball housing balancing is allowed gal crankshafts are as follows; tock GM, Ford, or Chry production crankshafts hev 350 – Scat 9-10442 hev 350 – Eagle 103503480 hev 350 – Eagle 103503480 hev 350 – Eagle 103523480 ord 351 – Scat 9-351-3500-5955-2311 hry 340 – Scat 9-340-3580-6123 hry 360 – Scat 9-360-3580-6123	Crankshaft casting number		

	Connecting Rods	
	 The connecting rod length must match the block. Interchanging of crankshafts or connecting rods is not allowed No grinding or polishing of the rod beams Balancing is allowed 3/8" rod bolts max Cap screws are allowed only on the Eagle rod. No cap screws allowed on any other rod The only legal connecting rods are as follows; Any stock steel GM, Ford, or Chry production rod Chev 5.7" powdered metal rods Chev - Scat OEM replacement I-beam (5.7") Chev - Eagle OEM I-beam ESPSIR5700BBLW 	Rod casting number
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	Hydraulic camshafts only The camshaft may be drilled for a rear spud	
	Camshaft lifters Hydraulic lifters only The lifters must match the block The lifter must have a minimum of .100" travel The lifter must rotate freely in the lifter bore The lifters must be manufactured from magnetic material	
	Timing set	
	Cylinder Head Stock iron production heads only No aftermarket cylinder heads allowed Vortex, Bowtie, SVO, W-2, Magnum, Gen II, or angle plug heads are not allowed Chevrolet 040, 041, 186, 187, 291, 370, 414, 432, 461, 461X, 462, 492, 1012532, 10208890, 10239906, 12554290, 14011083, or 14096217 cylinder heads are not allowed Ford 302 GTP are allowed on Ford 302 and 351 engines Porting or polishing is not allowed Angle milling is not allowed Machining of any valve throat material 1/4" below the top of the valve seat is not allowed Valve springs with an outside diameter larger than stock are not allowed Tapered and beehive springs are not allowed	Cylinder head casting number
	Rocker arm Steel stock appearing stamped rocker arm only Roller or roller tipped rocker arms are not allowed Stud girdles are not allowed	
	Intake manifold Porting, polishing, or gasket matching is not allowed Altering the intake manifold floor is not allowed The only legal intake manifolds are as follows; Chev – Weiand 7546, 7467, 7547-1 Ford – Weiand 7515, 7516, 8023 Chry – Weiand 7545	Intake manifold part number
	General rules; Titanium parts are not allowed If the rulebook does not state it is legal, it probably isn't UMSS tech will determine what is, and what is not legal	

	Sealing	procedure	
	•	After the engine has been 100% certified, the intake manifold, driver's side cylinder head, and timing cover must be sealed with UMSS supplied seals	
	•	Seal serial numbers must be recorded	
	•	The intake manifold will be sealed with a UMSS seal using the front two bolts located on the driver's side of the intake manifold	
	•	The driver's side cylinder head will be sealed with a UMSS seal using the lower, 2 nd and 3 rd bolt from the front of the cylinder head	
	•	The timing cover will be sealed with a UMSS seal using two bolts located approximately at the top center position on the timing cover	Intake seal serial number
	•	Seals are to be installed in such a manner as to not loosen the sealed bolts over time Seals are to be installed in such a manner as to not allow seal	Cyl head seal serial number
		tampering	
	•	Contact David L. Anderson at anderson@sherbtel.net if you have any questions on seal placement	Timing cover seal serial number

By signing this document, you, as the signee of this form, are certifying the engine you sealed complies with the specifications outlined in this checklist. You further agree that knowingly providing false information on this document will expose the driver competing with the engine you certify to fines and a suspension as published in the UMSS rule book. The UMSS appreciates your integrity.

Name and title (printed)
Signature
Date
Mail this form to;

David L. Anderson PO Box 171 Elk River, Mn 55330