

ROUSH CleanTech Service Labor Time Standards (SLTS) Guidelines and Instructions

The SLTS guide is divided into sections and each vehicle line is listed by a Suffix letter. The x in Base RCT OP# is location of Suffix from vehicle line.

This SLTS version is specific to the ROUSH CleanTech Liquid Propane Autogas fuel system for the Blue Bird Class C Vision Bus.

Part Name				Blue Bird Class C Vision	Base RCT OP#					
Suffix from this line is to be used in location of x in RCT OP#				Suffix- V						
SYSTEM DIAGNOSIS*				up to 1.0hrs	RCT0x000					

Labor times with (*) indicate after tank evacuation and (**) indicate tank removal when required.

SLTS are divided into sections for the Blue-Bird Vision bus.

FUEL TANK SUBASSEMBLY	RCT0x100
FUEL RAIL SUBASSEMBLY	RCT0x200
FUEL LINE SUBASSEMBLY	RCT0x300
FRONT END ACCESSORY DRIVE COMPONENTS	RCT0x400
ENGINE/MISC COVERED COMPONENTS	RCT0x500
ELECTRICAL	RCT0x600
LABELING	RCT0x700

PLEASE NOTE:

These labor operations are to be used when submitting RCT warranty claim forms as defined in the Warranty and Policy Manual.

Additional time for Diagnostics or repairs must be reviewed by the RCT field service and warranty department for approval prior to warranty submission.

Additional diagnostic time may be requested, submission of request does NOT constitute approval.

If you find any discrepancies with SLTS please submit a request for review with detailed explanation of concern to cleantech.warranty@roush.com.

ROUSH CleanTech Service Labor Time Standards (SLTS)

Part Name	Blue Bird Vision Class C Bus	Base RCT OP#
Suffix from this line is to be used in location of x in RCT OP#	Suffix- V	
SYSTEM DIAGNOSIS*	up to 1.0hrs	RCT0x000
FUEL TANK SUBASSEMBLY		
Labor times with (*) indicate after tank evacuation and (**) indicate tank removal when required		
Fuel tank (remove and Install) R&I	8.0hrs*	RCT0x101
Service access flange (remove and replace) R&R	1.0hrs*	RCT0x102
Service access flange (remove and install) R&I	0.5hrs*	RCT0x103
Mechanical 80% OPD fill valve	0.5hrs*	RCT0x104
Pressure relief outlet valve	0.3hrs**	RCT0x105
Pressure relief 1" ID hose	0.3hrs	RCT0x106
In tank filters	0.3hrs*	RCT0x107
In tank filter brackets	0.5hrs*	RCT0x108
Fuel level sending unit	0.5hrs**	RCT0x109
Electronic portion (only) of sending unit	0.4hrs	RCT0x110
Fuel pump assembly	0.5hrs*	RCT0x111
Jet-pump fitting	0.3hrs*	RCT0x112
Fuel line "Y" filter to supply assembly	0.2hrs*	RCT0x113
Fuel return circuit assembly	0.3hrs*	RCT0x114
Fuel supply circuit assembly	0.5hrs*	RCT0x115
Bleeder valve on tank	0.3hrs*	RCT0x116
Remote bleeder valve (fuel door)	0.2hrs	RCT0x117
FUEL RAIL SUBASSEMBLY		
Labor times with (*) indicates after de-pressurizing fuel system		
De-Pressurizing Fuel System	0.5hrs	RCT0x201
Fuel rail assembly	0.5hrs*	RCT0x202
Fuel IPTS - 10K OHM thermistor	0.3hrs*	RCT0x203
Jiffy-tite fitting 3/8" supply	0.3hrs*	RCT0x204
Jiffy-tite fitting 1/4" return	0.3hrs*	RCT0x205
DEKA II low-leak injector	0.3hrs*	RCT0x206
Fuel injector spacer tube (after fuel rail removal*)	0.2hrs*	RCT0x207
Fuel Rail Pressure Control Module (FRPCM)	0.8hrs*	RCT0x208
Fuel line (3/8 " supply) FRPCM to rail	0.5hrs*	RCT0x209
Fuel line (1/4" return) rail to FRPCM	0.5hrs*	RCT0x210
Hose-canister purge line	0.3hrs	RCT0x211
FRPCM Purge Hose Assembly	0.3hrs	RCT0x212
Evaporative emissions canister assembly	0.3hrs	RCT0x213
FUEL LINE SUBASSEMBLY		
Labor times with (*) indicates after de-pressurizing fuel system		
Fuel fill line 90 x straight	0.5hrs	RCT0x303
Fuel fill line 45 x straight	0.5hrs	RCT0x304
Fuel supply chassis lines	0.8hrs*	RCT0x305
Fuel return chassis lines	0.8hrs*	RCT0x306
Fuel line 3/8", supply on tank	0.5hrs*	RCT0x307
Fuel line 1/4", return on tank	0.5hrs*	RCT0x308
Remote bleed line (tank to fuel door)	0.5hrs	RCT0x309
Fuel filler neck valve (fuel door)	0.5hrs	RCT0x310
Fuel fill filter	0.5hrs	RCT0x311
FRONT END ACCESSORY DRIVE COMPONENTS		
Engine water pump	Blue-Bird	N/A
Pulley-water pump	M-Time	RCT0x401
Power steering bracket	M-Time	RCT0x402
Power steering pump	M-Time	RCT0x403
Pulley-power steering pump	M-Time	RCT0x404
Idler-accessory drive first sheave	M-Time	RCT0x405
Bracket-Alt delete pulley	M-Time	RCT0x406
Pulley-accessory drive first sheave	M-Time	RCT0x407
Bracket- A/C compressor first sheave	M-Time	RCT0x408
A/C compressor first sheave	Blue-Bird	N/A
Tensioner- With A/C first sheave	M-Time	RCT0x409

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SYSTEM DIAGNOSIS*	up to 1.0hrs	RCT0x000
FUEL TANK SUBASSEMBLY		
Labor times with (*) indicate after tank evacuation and (**) indicate tank removal when required		
Tensioner- Without A/C first sheave	M-Time	RCT0x410
Belt Main Sheave- w/o AC first sheave	M-Time	RCT0x411
Belt Main Sheave-with AC first sheave	M-Time	RCT0x412
Pulley-A/C delete	M-Time	RCT0x413
Bracket-A/C delete	M-Time	RCT0x414
Alternator 240A,270A,320A	Blue-Bird	N/A
Pulley-alternator	Blue-Bird	N/A
Belt-second sheave full content	Blue-Bird	N/A
Belt-second sheave without A/C	Blue-Bird	N/A
Adapter-PTO driver	M-Time	RCT0x415
PTO Asy- 2nd Sheave	M-Time	RCT0x416
Bracket-bridge support	M-Time	RCT0x417
Tensioner- second sheave	M-Time	RCT0x418
Idler-accessory drive second sheave	M-Time	RCT0x419
Pulley-accessory drive second sheave	M-Time	RCT0x420
Pulley-air pump driver	M-Time	RCT0x421
Bracket-engine lifting eye	M-Time	RCT0x422
Belt-air pump drive	Blue-Bird	N/A
Air pump assembly	Blue-Bird	N/A
Pulley-air pump	M-Time	RCT0x423
Line-air pump oil feed	M-Time	RCT0x424
Line-air pump oil return	M-Time	RCT0x425
T-fitting, air pump oil feed	M-Time	RCT0x426
Elbow 1/2" NPT-5/8 tube	M-Time	RCT0x427
Adaptor 1/8 pipe to 1/4 tube	M-Time	RCT0x428
Adaptor 1/4 pipe to 1/4 tube	M-Time	RCT0x429
A/C compressor second sheave	Blue-Bird	N/A
Brkt- A/C Delete 2nd Sheave	M-Time	RCT0x430
Pullet- A/C Delete 2nd Sheave	M-Time	RCT0x431
Switch-oil pressure	M-Time	RCT0x432
ENGINE/MISC COMPONENTS COVERED		
6.8L V10 Engine	FORD	N/A
6R-140 Transmission	FORD	N/A
Crankcase vent tube	M-Time	RCT0x501
PCV closure hose	M-Time	RCT0x502
Dipstick- engine oil	M-Time	RCT0x503
Dipstick tube-engine oil	M-Time	RCT0x504
Shield-exhaust manifold (LH)	M-Time	RCT0x505
Shield-exhaust manifold (RH)	M-Time	RCT0x506
Cap-water inlet port 1" ID	M-Time	RCT0x507
Bracket-LH engine mount	M-Time	RCT0x508
Bracket-RH engine mount	M-Time	RCT0x509
Isolator assembly-LH engine mount	M-Time	RCT0x510
Isolator assembly-RH engine mount	M-Time	RCT0x511
Transmission torque convertor access plug	M-Time	RCT0x512
Cylinder block opening cover	M-Time	RCT0x513
Engine rear cover plate	M-Time	RCT0x514
Fan clutch	M-Time	RCT0x515
Fan	M-Time	RCT0x516
Air cleaner assembly	M-Time	RCT0x517
Y pipe assembly-exhaust	M-Time	RCT0x518
Isolator-hot end	M-Time	RCT0x519
Catalyst assembly	M-Time	RCT0x520
Isolator-cold end	M-Time	RCT0x521
Engine Crossmember	Blue Bird	N/A
ELECTRICAL		

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FUEL TANK SUBASSEMBLY		
Labor times with (*) indicate after tank evacuation and (**) indicate tank removal when required		
Labor times with (*) indicates after tank evacuation		
Starter motor	M-Time	RCT0x601
Shield-starter motor	M-Time	RCT0x602
PCM	M-Time	RCT0x603
Calibration-PCM	N/A	N/A
CMS sensor	M-Time	RCT0x604
UEGO sensor	M-Time	RCT0x605
Gateway module-LPG programmed	0.3hrs	RCT0x606
Calibration-Gateway module	N/A	N/A
Relay- fuel pump (EFPR)	0.3hrs	RCT0x607
Engine block heater	M-Time	RCT0x608
Wiring-engine block heater	M-Time	RCT0x609
Brake pedal switch	M-Time	RCT0x610
Accelerator pedal	M-Time	RCT0x611
Wire harness , supply valve & sender	0.5hrs	RCT0x612
Wire harness in-tank (fuel pumps)	0.5hrs*	RCT0x613
LABELING		
Diamond Propane-Reflective	0.1hrs	RCT0x701
Diamond Propane-Reflective(french)	0.1hrs	RCT0x702
Label-propane fuel only	0.1hrs	RCT0x703
Label-propane fuel only(french)	0.1hrs	RCT0x704
Label-bleeder valve inspection	0.1hrs	RCT0x705
Label-bleeder valve inspection(french)	0.1hrs	RCT0x706
Label- 350 psig design pressure	0.1hrs	RCT0x707
Label- 350 psig design pressure(french)	0.1hrs	RCT0x708
Label-hang tag	0.1hrs	RCT0x709
Label-hang tag(french)	0.1hrs	RCT0x710
Label-overfill protection device	0.1hrs	RCT0x711
Label-overfill protection device(french)	0.1hrs	RCT0x712
Label-opd inspection	0.1hrs	RCT0x713
Label-opd inspection(french)	0.1hrs	RCT0x714
Certification Label	0.1hrs	RCT0x715
Certification Label(french)	0.1hrs	RCT0x716
Label-propane fuel tank	0.1hrs	RCT0x717
Label-propane fuel tank (french)	0.1hrs	RCT0x718
Additional diagnostic time may be requested, submission of request does NOT constitute approval		