

SCHEDULE 2

Bid for the overhaul of Series 50 Detroit Diesel engine currently used in MET Transit's Gillig transit buses.

Remove and replace the engine module in the vendor's shop (not MET's), which would include removing the engine, transmission and radiator. Install the module back into the bus and make all hook-ups including but not limited to fluid lines, electrical lines, A/C lines, various hoses and belts.

Use genuine Detroit Diesel parts per exhibit #1.

Dyno engine and paint engine module

Reprogram the Electronic Control Module to upgrade to the latest available software provided by Detroit Diesel. After module is installed back into the bus, the vendor will check cruise control calculations, all parameters and reset trip data.

Install Gates C5D fuel and oil lines per exhibit #2 spec. from Gates. They will have reusable ends and working pressure to 1,500 psi. and a temperature range of -40F. to +300F.

Install Breeze Constant Torque clamps per exhibit #3 on all coolant hoses.

Vendor will pressure test engine and transmission coolers.

Provide and install new oil, fuel and coolant hoses as needed. MET will not provide replacement hoses, lines or belts.

Provide and install new fan belts.

Provide and install a new belt tensioner. MET will not provide this item.

Install new motor and transmission mounts in all positions.

MET will supply either a new or reconditioned radiator to replace the radiator that was removed from the unit by the vendor. Vendor will install replacement radiator and fill with new coolant that meets Detroit Diesel low silicate specs. This coolant will be compatible with coolant that MET stocks.

Replace the fly wheel damper

Ensure that the A/C system remains charged and A/C compressor is secure.

Bid will not include rebuilding of alternator, compressor or fan hub.

Replace the air compressor with a new air compressor (Air cooled, not a rebuilt)

Vendor will rebuild starter for engine and replace the water pump.

Vendor will test drive bus and check for leaks and rubs on various lines.

Vendor will install the following fluids in the power plants.

- Engine oil that meets or exceeds Detroit Diesel specs.
- Transmission fluid that meets or exceeds Allison Trans. Specs.
- Power steering fluid that meets OEM specs.
- Coolant will meet Detroit Diesels specs. and will be compatible to Met's specs.

MET will require the vendor's time line for the completion of all work.

MET Transit will require a minimum of (6) six month part and labor warranty on new parts. (1) one year part and labor warranty on Detroit Diesel Reliabil parts. (60) Day defective workmanship warranty under normal use and service.

EXHIBIT #1

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>QUANTITY</u>
23507545	DDF3000 CLNT	1
23532329	KIT O/H GSKT	1
R23529994	EGR HEAD ASM	1
8929670	SHELL SET	4
8929680	SHELL SET	4
8929085	WASHER	2
23518355	SEAL	1
R8929502	DAMPER	1
5107251	PLATE	1
8929795	BOLT	12
23513578	SEAL C/S	1
23515581	KIT SHL	4
R23532558	CYL KIT	4
R23524063	BAL SHFT AS	1
8929690	CAMSBRG SET	5
R23513559	BULL GEAR	1
R23523174	ARM/RLR ASM	4
R23520644	ARM/RLR ASM	4
R23524771	RKR ARM ASM	4
23520818	SCREW ASM	8
23520819	SCREW ASM	8
23520820	SCREW ASM	4
23511772	GSKT R/C	1
23516531	GASKET	1
R5236978	EUI S60	4
8929387	SENSOR	1
8929388	SENSOR	1
23514223	HARNESS	1
23526183	HARNESS	1
R23518610	PUMP ASM	1
23530706	ELEMENT	1
23530707	ELEMENT	1
E23528383	TURBO ASM	1
8921085	VALVE ASM	1
8921086	VALVE ASM	1
23530573	ELEMENT	2
23506325	HOSE	2
23517242	ISOLATOR	8
23511580	GSKT O/P	1
R23526039	W/PUMP	1
23532436	THERM 190	2
8929875	HOSE	2
R0459130	ALT 24V P/DR	1
23503020	BELT	1
R0461129	STARTER	1
R23522123	CMPR AIR	1
23532339	LOCTITE 509	1
11504822	BOLT	3
23524882	BOLT	1
23530768	BOLT	26
11506101	NUT	4
8929169	WASHER	4
23501941	CLAMP	4
23503066	CLAMP	4

EXHIBIT #2

C5D Hose

For petroleum base or phosphate ester fluids. Recommended for diesel engine flexlines.

- Meets or exceeds SAE J1402 Type All, SAE J1019 and DOT FMVSS 106-74 Type All.
- 400 to 1,500 psi working pressure.
- One high tensile steel wire braid over polyester braid.
- CPE tube.
- Sizes 3/16" through 7/8" I.D.
- Green braided textile covers for easy identification.
- Temperature range -40°C to $+149^{\circ}\text{C}$ (-40°F to $+300^{\circ}\text{F}$).

Uses C5 style field attachable couplings.

EXHIBIT #3



Constant Tension Clamps

Breeze Constant-Torque®

The Breeze CONSTANT-TORQUE® is a breakthrough in clamping technology. A Belleville spring mechanism permits the CONSTANT-TORQUE® clamp to automatically increase or decrease its own diameter due to changes in operational or environmental temperatures.

This unique design eliminates "cold flow" leaks. Both the Aero-Seal and Heavy Duty construction CT clamps have an extended inner liner which protects all types of hoses from damage and helps to maintain consistent sealing pressure.



Constant-Torque - Aero-Seal Construction



Constant-Torque - Heavy Duty Construction

Aero-Seal Construction / All Stainless Steel					
Breeze CONSTANT-TORQUE® Size table					
SAE Size	EFFECTIVE DIAMETER RANGE				Part Numbers
	Min.		Max.		
	in.	mm	in.	mm	
<i>AERO-SEAL construction for use on small diameter applications 9/16" (14.2 mm) bandwidth</i>					
10	9/16	14	1-1/16	27	CT-9410
12	11/16	17	1-1/4	32	CT-9412
16	13/16	21	1-1/2	38	CT-9416
20	13/16	21	1-3/4	44	CT-9420
24	1-1/16	27	2	51	CT-9424
28	1-5/16	33	2-1/4	57	CT-9428
32	1-9/16	40	2-1/2	64	CT-9432
36	1-13/16	46	2-3/4	70	CT-9436
40	2-1/16	52	3	76	CT-9440
44	2-5/16	59	3-1/4	83	CT-9444
48	2-9/16	65	3-1/2	89	CT-9448
52	2-13/16	71	3-3/4	95	CT-9452

Heavy Duty Construction						
Breeze CONSTANT-TORQUE® Size table						
SAE Size	EFFECTIVE DIAMETER RANGE				Carbon Screw	All SS Screw
	Min.		Max.			
	in.	mm	in.	mm		
<i>Heavy-duty construction for use on large diameter applications 15/16" (25.4 mm) bandwidth</i>						
212	1-1/4	32	2-1/8	54	CT 200 L	CT 200 L SS
262	1-3/4	46	2-5/8	67	CT 250 L	CT 250 L SS
312	2-1/4	57	3-1/8	79	CT 300 L	CT 300 L SS
362	2-3/4	70	3-5/8	92	CT 350 L	CT 350 L SS
412	3-1/4	83	4-1/8	105	CT 400 L	CT 400 L SS
462	3-3/4	95	4-5/8	118	CT 450 L	CT 450 L SS
512	4-1/4	108	5-1/8	130	CT 500 L	CT 500 L SS
562	4-3/4	121	5-5/8	143	CT 550 L	CT 550 L SS
612	5-1/4	133	6-1/8	155	CT 600 L	CT 600 L SS
662	5-3/4	146	6-5/8	168	CT 650 L	CT 650 L SS
712	6-1/4	159	7-1/8	181	CT 700 L	CT 700 L SS
762	6-3/4	172	7-5/8	194	CT 750 L	CT 750 L SS
812	7-1/4	184	8-1/8	206	CT 800 L	CT 800 L SS
862	7-3/4	197	8-5/8	219	CT 850 L	CT 850 L SS
912	8-1/4	210	9-1/8	232	CT 900 L	CT 900 L SS



CT - Heavy Duty



Per SAE standard J1508 Type "SLHD"