

Date

12/5/2023

VIN#

AM0805

Description	Qty
R4701500694 Actuator	1
A4710960680 Gasket	1
A0219901101 Mounting Bolt	3
A0029905054 Mounting Nut	1
A0009903150 Exhaust Nut	6
A5411870080 Gasket	1
A0189973145 O Ring	1
N001069 Sealing Ring	2
A4711420680 Gasket	1
LC 100% Extended Life Coolant	1
Constant Torque Hose Clamps 2.5"	2
Check out poor performance and CEL Light was for low air flow to engine Checked intake system for leaks / none found Checked Delta sensor calibration / would not calibrate Cleaned orifices to Delta P sensor / calibration was complete CEL was still on Checked VPod operation / VPod operated correctly Discovered frozen turbo actuator	

Date

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VIN#

MILEAGE

AM0805

Description

Qty

Rate

Amount

Removed turbo and freed up actuator but before
reinstall called and advised and asked for
permission to reinstall or replace unit with
new turbo / reinstalled old cleaned up unit
After installation CEL was on but with a code
for the EGR valve
Checked wiring harness EGR actuator to MCM and
all four wires were intact
Correct voltage was present
Reattached harness hanging loose around front
of engine oil pan
R&R EGR actuator / CEL went out
Drove unit on 50+ mile loop and light stayed
out
Labor

24	
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the 1990s, the number of people in the United States who are 65 years of age and older has increased by 50 percent. The number of people 75 years of age and older has increased by 100 percent. The number of people 85 years of age and older has increased by 200 percent. The number of people 95 years of age and older has increased by 400 percent. The number of people 100 years of age and older has increased by 800 percent. The number of people 105 years of age and older has increased by 1,600 percent. The number of people 110 years of age and older has increased by 3,200 percent. The number of people 115 years of age and older has increased by 6,400 percent. The number of people 120 years of age and older has increased by 12,800 percent. The number of people 125 years of age and older has increased by 25,600 percent. The number of people 130 years of age and older has increased by 51,200 percent. The number of people 135 years of age and older has increased by 102,400 percent. The number of people 140 years of age and older has increased by 204,800 percent. The number of people 145 years of age and older has increased by 409,600 percent. The number of people 150 years of age and older has increased by 819,200 percent. The number of people 155 years of age and older has increased by 1,638,400 percent. The number of people 160 years of age and older has increased by 3,276,800 percent. The number of people 165 years of age and older has increased by 6,553,600 percent. The number of people 170 years of age and older has increased by 13,107,200 percent. The number of people 175 years of age and older has increased by 26,214,400 percent. The number of people 180 years of age and older has increased by 52,428,800 percent. The number of people 185 years of age and older has increased by 104,857,600 percent. The number of people 190 years of age and older has increased by 209,715,200 percent. The number of people 195 years of age and older has increased by 419,430,400 percent. The number of people 200 years of age and older has increased by 838,860,800 percent. The number of people 205 years of age and older has increased by 1,677,721,600 percent. The number of people 210 years of age and older has increased by 3,355,443,200 percent. The number of people 215 years of age and older has increased by 6,710,886,400 percent. The number of people 220 years of age and older has increased by 13,421,772,800 percent. The number of people 225 years of age and older has increased by 26,843,545,600 percent. The number of people 230 years of age and older has increased by 53,687,091,200 percent. The number of people 235 years of age and older has increased by 107,374,182,400 percent. The number of people 240 years of age and older has increased by 214,748,364,800 percent. The number of people 245 years of age and older has increased by 429,496,729,600 percent. The number of people 250 years of age and older has increased by 858,993,459,200 percent. The number of people 255 years of age and older has increased by 1,717,986,918,400 percent. The number of people 260 years of age and older has increased by 3,435,973,836,800 percent. The number of people 265 years of age and older has increased by 6,871,947,673,600 percent. The number of people 270 years of age and older has increased by 13,743,895,347,200 percent. The number of people 275 years of age and older has increased by 27,487,790,694,400 percent. The number of people 280 years of age and older has increased by 54,975,581,388,800 percent. The number of people 285 years of age and older has increased by 109,951,162,777,600 percent. The number of people 290 years of age and older has increased by 219,902,325,555,200 percent. The number of people 295 years of age and older has increased by 439,804,651,110,400 percent. The number of people 300 years of age and older has increased by 879,609,302,220,800 percent. The number of people 305 years of age and older has increased by 1,759,218,604,441,600 percent. The number of people 310 years of age and older has increased by 3,518,437,208,883,200 percent. The number of people 315 years of age and older has increased by 7,036,874,417,766,400 percent. The number of people 320 years of age and older has increased by 14,073,748,835,532,800 percent. The number of people 325 years of age and older has increased by 28,147,497,671,065,600 percent. The number of people 330 years of age and older has increased by 56,294,995,342,131,200 percent. The number of people 335 years of age and older has increased by 112,589,990,684,262,400 percent. The number of people 340 years of age and older has increased by 225,179,981,368,524,800 percent. The number of people 345 years of age and older has increased by 450,359,962,737,049,600 percent. The number of people 350 years of age and older has increased by 900,719,925,474,099,200 percent. The number of people 355 years of age and older has increased by 1,801,439,850,948,198,400 percent. The number of people 360 years of age and older has increased by 3,602,879,701,896,396,800 percent. The number of people 365 years of age and older has increased by 7,205,759,403,792,793,600 percent. The number of people 370 years of age and older has increased by 14,411,518,807,585,587,200 percent. The number of people 375 years of age and older has increased by 28,823,037,615,171,174,400 percent. The number of people 380 years of age and older has increased by 57,646,075,230,342,348,800 percent. The number of people 385 years of age and older has increased by 115,292,150,460,684,697,600 percent. The number of people 390 years of age and older has increased by 230,584,300,921,369,395,200 percent. The number of people 395 years of age and older has increased by 461,168,601,842,738,790,400 percent. The number of people 400 years of age and older has increased by 922,337,203,685,477,580,800 percent. The number of people 405 years of age and older has increased by 1,844,674,407,370,955,161,600 percent. The number of people 410 years of age and older has increased by 3,689,348,814,741,910,323,200 percent. The number of people 415 years of age and older has increased by 7,378,697,629,483,820,646,400 percent. The number of people 420 years of age and older has increased by 14,757,395,258,967,641,292,800 percent. The number of people 425 years of age and older has increased by 29,514,790,517,935,282,585,600 percent. The number of people 430 years of age and older has increased by 59,029,581,035,870,565,171,200 percent. The number of people 435 years of age and older has increased by 118,059,162,071,741,130,342,400 percent. The number of people 440 years of age and older has increased by 236,118,324,143,482,260,684,800 percent. The number of people 445 years of age and older has increased by 472,236,648,286,964,521,369,600 percent. The number of people 450 years of age and older has increased by 944,473,296,573,929,042,739,200 percent. The number of people 455 years of age and older has increased by 1,888,946,593,147,858,085,478,400 percent. The number of people 460 years of age and older has increased by 3,777,893,186,295,716,170,956,800 percent. The number of people 465 years of age and older has increased by 7,555,786,372,591,432,341,913,600 percent. The number of people 470 years of age and older has increased by 15,111,572,745,182,864,683,827,200 percent. The number of people 475 years of age and older has increased by 30,223,145,490,365,729,367,654,400 percent. The number of people 480 years of age and older has increased by 60,446,290,980,731,458,735,308,800 percent. The number of people 485 years of age and older has increased by 120,892,581,961,462,917,470,617,600 percent. The number of people 490 years of age and older has increased by 241,785,163,922,925,834,941,235,200 percent. The number of people 495 years of age and older has increased by 483,570,327,845,851,669,882,470,400 percent. The number of people 500 years of age and older has increased by 967,140,655,691,703,339,764,940,800 percent. The number of people 505 years of age and older has increased by 1,934,281,311,383,406,679,529,881,600 percent. The number of people 510 years of age and older has increased by 3,868,562,622,766,813,359,059,763,200 percent. The number of people 515 years of age and older has increased by 7,737,125,245,533,626,718,119,526,400 percent. The number of people 520 years of age and older has increased by 15,474,250,491,067,253,436,239,052,800 percent. The number of people 525 years of age and older has increased by 30,948,500,982,134,506,872,478,105,600 percent. The number of people 530 years of age and older has increased by 61,897,001,964,269,013,744,956,211,200 percent. The number of people 535 years of age and older has increased by 123,794,003,928,538,027,489,912,422,400 percent. The number of people 540 years of age and older has increased by 247,588,007,857,076,054,979,824,844,800 percent. The number of people 545 years of age and older has increased by 495,176,015,714,152,109,959,649,689,600 percent. The number of people 550 years of age and older has increased by 990,352,031,428,304,219,919,299,379,200 percent. The number of people 555 years of age and older has increased by 1,980,704,062,856,608,439,838,598,758,400 percent. The number of people 560 years of age and older has increased by 3,961,408,125,713,216,879,677,197,516,800 percent. The number of people 565 years of age and older has increased by 7,922,816,251,426,433,759,354,395,033,600 percent. The number of people 570 years of age and older has increased by 15,845,632,502,852,867,518,708,790,067,200 percent. The number of people 575

DATE ARRIVED
6/7/2022 2:09:38PM

YEAR	MAKE	MODEL	VIN	CUSTOMER UNIT #	ENGINE HOURS	IN SERVICE	Component Serial #	ODOMETER
2011	FREIGHTLINER	CASCADIA	1FUJGEDV9BSAZ0805	205	0	10/19/2010	471903S0050467	613826

Sold Operations

JOB #1 00-01 INITIAL ASSESSMENT

COMPLAINT UNIT IS JUMPING TIME
CAUSE UNIT TIMED INCORRECTLY
CORRECTION HOOKED UP LAPTOP AND PULLED CODES. UNIT HAD CODES FOR NO MATCH OF CAMSHAFT AND CRANKSHAFT SIGNALS 636/2. REMOVED VALVE COVER AND PUT TRUCK IN TIME AT FLYWHEEL. UNIT IS 1 TOOTH OUT OF TIME ON INTAKE SIDE. REMOVED ROCKERS AND FOUND UNIT IS OUT OF TUNE. REMOVED ROCKER ASSEMBLIES AND PUT CAM IN TIME. STARTED TO SET VALVE LASH AND FOUND #6 EXHAUST VALVE MAY HAVE CONTACTED PISTON. ALSO FOUND LOCTITE ON CAM FRAME BOLTS AND EXHAUST SIDE ROCKER BOLTS FORCED IN THREADS DAMAGING BOLTS.

DATE ARRIVED	DATE INVOICE
6/7/2022 2:09:38PM	

YEAR	MAKE	MODEL	VIN
2011	FREIGHTLINER	CASCADIA	1FUJGEDV9BSAZ0805

ENGINE HOURS	IN SERVICE	Component Serial #	ODOMETER
0	10/19/2010	471903S0050467	613826

Sold Operations

JOB #1 00-01 INITIAL ASSESSMENT

COMPLAINT UNIT IS JUMPING TIME
 CAUSE UNIT TIMED INCORRECTLY
 CORRECTION HOOKED UP LAPTOP AND PULLED CODES. UNIT HAD CODES FOR NO MATCH OF CAMSHAFT AND CRANKSHAFT SIGNALS 636/2. REMOVED VALVE COVER AND PUT TRUCK IN TIME AT FLYWHEEL. UNIT IS 1 TOOTH OUT OF TIME ON INTAKE SIDE. REMOVED ROCKERS AND FOUND UNIT IS OUT OF TUNE. REMOVED ROCKER ASSEMBLIES AND PUT CAM IN TIME. STARTED TO SET VALVE LASH AND FOUND #6 EXHAUST VALVE MAY HAVE CONTACTED PISTON. ALSO FOUND LOCTITE ON CAM FRAME BOLTS AND EXHAUST SIDE ROCKER BOLTS FORCED IN THREADS DAMAGING BOLTS.

QTY	ITEM	DESCRIPTION
	LABOR 00-01	INITIAL ASSESSMENT
1	DIAG	TECHNOLOGY FEE

[Redacted]

[Redacted]

	ESTIMATED
LABOR	
PARTS	
MISC	
SUBLET	
PREPAY	
SUBTOTAL	
SHOP SUPPLIES	
TAX	
TOTAL	\$19,373.81

[Redacted]