

CASCADIA



Maintenance Manual



CASCADIA MAINTENANCE MANUAL

Models: CA113DC

CA113SLP CA125DC CA125SLP

Page Description

For an example of a Maintenance Manual page, see Fig. 1.

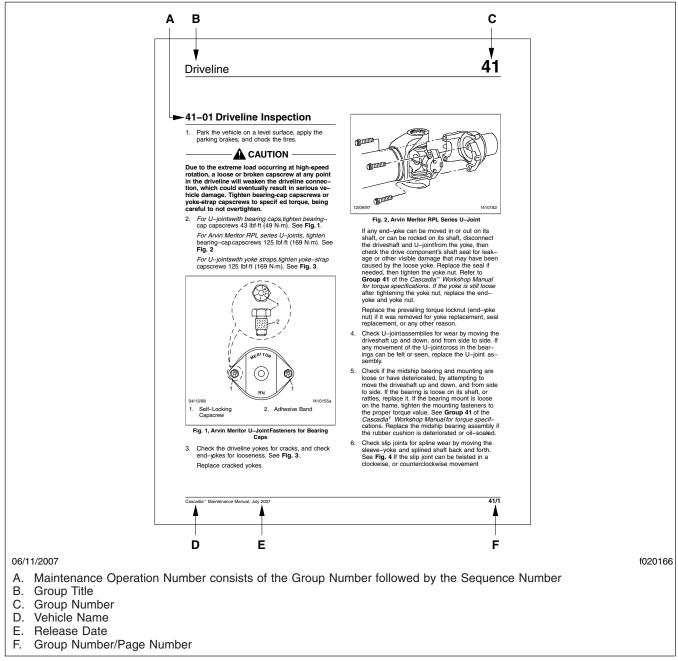


Fig. 1, Example of a Maintenance Manual Page

Maintenance Manual Contents

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35	Rear Axle
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General Information

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General Information 00

Determining Scheduled Maintenance Intervals: 00-01

Determining Scheduled Maintenance Intervals

Performing regular maintenance on your Freightliner vehicle will help ensure that your vehicle delivers safe reliable service and optimum performance for years to come. Failure to follow a regular maintenance program can result in inefficient operation and unscheduled down time.

To determine the correct maintenance intervals for your vehicle you must first determine the type of service or conditions the vehicle will be operating in. Generally, over-the-road vehicles operate under conditions that fall within one of the two types of service described. Before placing your new vehicle in service, determine the type of service (Service Schedule I or II) that applies to the intended use of the vehicle. After determining the vehicle's type of service, refer to the service schedule table or the vehicle maintenance schedule table, to determine how often maintenance should be performed.

When the vehicle reaches the distance given for a maintenance interval, see the Maintenance Interval Operation Table for a list of the maintenance operations to be performed at that maintenance interval. Use the maintenance operation reference numbers to find detailed instructions in the manual on each operation.

Types of Service

Service Schedule I (short-haul transport) applies to vehicles that annually travel less than 60,000 miles (100 000 kilometers) and operate under normal conditions. Examples of Schedule I usage are: operation primarily in cities and densely populated areas; local transport with infrequent freeway travel; or high percentage of stop-and-go travel.

Service Schedule II (long-haul transport) is for vehicles that annually travel *more than* 60,000 miles (100 000 kilometers) with minimal city or stop-and-go operation. Examples of Schedule II usage are: regional delivery that is mostly freeway miles; interstate transport; or any road operation with high annual mileage.

NOTE: Maintenance instructions in this manual are based on average vehicle use and normal

operating conditions. Unusual vehicle operating conditions may require service at more frequent intervals.

Service Schedule Table: 00-02

Service Schedule	Maintenance Interval Operation	Maintenance Interval		
Service Scriedule	maintenance interval Operation	Frequency	Miles	km
Cahadula I	Initial Maintenance (IM)	first	10,000	16 000
Schedule I (Short-Haul Transport)	Maintenance 1 (M1)	every	10,000	16 000
vehicles that annually travel less than 60,000 miles (100 000 km)	Maintenance 2 (M2)	every	50,000	80 000
	Maintenance 3 (M3)	every	150,000	240 000
Schedule II	Initial Maintenance (IM)	first	25,000	40 000
(Long-Haul Transport)	Maintenance 1 (M1)	every	25,000	40 000
vehicles that annually travel over 60,000	Maintenance 2 (M2)	every	100,000	161 000
miles (100 000 km)	Maintenance 3 (M3)	every	300,000	483 000

Table 1, Service Schedule

Vehicle Maintenance Schedule Table: 00-03

Maint N-	Maintenance Interval	Service	Service S	chedule I
Maint. No.		Date	Miles	km
1st	IM and M1		10,000	16 000
2nd	M1		20,000	32 000
3rd	M1		30,000	48 000
4th	M1		40,000	64 000
5th	M1 and M2		50,000	80 000
6th	M1		60,000	96 000
7th	M1		70,000	112 000
8th	M1		80,000	128 000
9th	M1		90,000	144 000
10th	M1 and M2		100,000	160 000
11th	M1		110,000	176 000
12th	M1		120,000	192 000
13th	M1		130,000	208 000
14th	M1		140,000	224 000
15th	M1, M2, and M3		150,000	240 000
16th	M1		160,000	256 000
17th	M1		170,000	272 000
18th	M1		180,000	288 000
19th	M1		190,000	304 000
20th	M1 and M2		200,000	320 000
21st	M1		210,000	336 000
22nd	M1		220,000	352 000
23rd	M1		230,000	368 000
24th	M1		240,000	384 000
25th	M1 and M2		250,000	400 000
26th	M1		260,000	416 000
27th	M1		270,000	432 000
28th	M1		280,000	448 000
29th	M1		290,000	464 000
30th	M1, M2, and M3		300,000	480 000
31st	M1		310,000	496 000
32nd	M1		320,000	512 000
33rd	M1		330,000	528 000
34th	M1		340,000	544 000
35th	M1 and M2		350,000	560 000

Vehicle Maintenance Schedule Table: 00-03

Maint No	Maintenance Interval	Service	Service S	Schedule I
Maint. No.		Date	Miles	km
36th	M1		360,000	576 000
37th	M1		370,000	592 000
38th	M1		380,000	608 000
39th	M1		390,000	624 000
40th	M1 and M2		400,000	640 000
41st	M1		410,000	656 000
42nd	M1		420,000	672 000
43rd	M1		430,000	688 000
44th	M1		440,000	704 000
45th	M1, M2, and M3		450,000	720 000
46th	M1		460,000	736 000
47th	M1		470,000	752 000
48th	M1		480,000	768 000
49th	M1		490,000	784 000
50th	M1 and M2		500,000	800 000
51st	M1		510,000	820 000
52nd	M1		520,000	837 000
53rd	M1		530,000	853 000
54th	M1		540,000	869 000
55th	M1 and M2		550,000	885 000
56th	M1		560,000	901 000
57th	M1		570,000	917 000
58th	M1		580,000	933 000
59th	M1		590,000	949 000
60th	M1, M2, and M3		600,000	965 000
61st	M1		610,000	982 000
62nd	M1		620,000	998 000
63rd	M1		630,000	1 014 000
64th	M1		640,000	1 030 000
65th	M1 and M2		650,000	1 046 000
66th	M1		660,000	1 062 000
67th	M1		670,000	1 078 000
68th	M1		680,000	1 094 000
69th	M1		690,000	1 110 000
70th	M1 and M2		700,000	1 127 000

Vehicle Maintenance Schedule Table: 00-03

Maintenance for Service Schedule I				
Maint No	Maintenance Interval	Service	Service S	Schedule I
Maint. No.		Date	Miles	km
71st	M1		710,000	1 143 000
72nd	M1		720,000	1 159 000
73rd	M1		730,000	1 175 000
74th	M1		740,000	1 191 000
75th	M1, M2, and M3		750,000	1 207 000
76th	M1		760,000	1 223 000
77th	M1		770,000	1 239 000
78th	M1		780,000	1 255 000
79th	M1		790,000	1 271 000
80th	M1 and M2		800,000	1 287 000
81st	M1		810,000	1 304 000
82nd	M1		820,000	1 320 000
83rd	M1		830,000	1 340 000
84th	M1		840,000	1 352 000
85th	M1 and M2		850,000	1 370 000
86th	M1		860,000	1 384 000
87th	M1		870,000	1 400 000
88th	M1		880,000	1 416 000
89th	M1		890,000	1 432 000
90th	M1, M2, and M3		900,000	1 448 000
91st	M1		910,000	1 465 000
92nd	M1		920,000	1 481 000
93rd	M1		930,000	1 500 000
94th	M1		940,000	1 513 000
95th	M1 and M2		950,000	1 530 000
96th	M1		960,000	1 550 000
97th	M1		970,000	1 561 000
98th	M1		980,000	1 577 000
99th	M1		990,000	1 593 000
100th	M1 and M2		1,000,000	1 609 000

Table 2, Maintenance for Service Schedule I

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