



## DD15™ Service Information

**NUMBER:** 08 DD15-4   **S.M. REF.:** 12.2.1 and 12.3   **ENGINE:** DD15   **DATE:** June 2008

**SUBJECT: MAINTENANCE SCHEDULE APPLICATIONS**

**PUBLICATION: DDC-SVC-MAN-0002**

The maintenance schedule applications have been revised.

### 12.2.1 MAINTENANCE SCHEDULE APPLICATIONS

There are three types of maintenance schedules:

- Severe Service
- Short Haul
- Long Haul

#### **NOTE:**

Load factor and idle time values must be based on DDEC reports representative of the current service application.

#### 12.2.1.1 SEVERE SERVICE

Severe service applies to vehicles that annually travel up to 30,000 miles (48,000 kilometers) and average less than 5 miles per gallon or that operate under severe conditions. Examples of Severe Service usage include: **idle time over 35%, load factor over 55%**, operation on extremely poor roads or where there is heavy dust accumulation; constant exposure to extreme hot, cold, salt-air, or other extreme climates; frequent short-distance travel; construction-site operation; city operation (fire truck, garbage truck), or farm operation. **Only one of these conditions needs to be met to categorize an application as Severe Service.**

#### 12.2.1.2 SHORT HAUL

Short Haul service applies to vehicles that annually travel between 30,000 and 60,000 annual miles (48,000-96,000 kilometers) and averages between 5 and 6 miles per gallon or with a **load factor over 45%** and operate under normal conditions. Examples of Short-Haul usage are: operation primarily in cities and densely populated areas; local transport with infrequent freeway travel; or high percentage of stop-and-go travel.

### 12.2.1.3 LONG HAUL

Long Haul service (over-the-road transport) applies to vehicles that annually travel more than 60,000 miles (96,000 kilometers) and averages greater than 6 miles per gallon with minimal city stop-and-go operation. Examples of Long Haul service are: regional delivery that is mostly freeway mileage, interstate transport, and any road operation with high annual mileage.

### 12.3 MAINTENANCE OF VEHICLE ENGINES

The maintenance intervals are listed in Tables 12, 13, and 14.

Miles X 1000/ Km X 1000/ Hours*	25/ 40/ 640	50/ 80/ 1280	75/ 120/ 1925	100/ 160/ 2565	125/ 200/ 3205	150/ 240/ 3850	175/ 280/ 4490	200/ 320/ 5130
Item	Procedure							
Lubricating Oil	R	R	R	R	R	R	R	R
Lubricating Oil Filter	R	R	R	R	R	R	R	R
Coolant	Intervals for the required coolant are listed in Table Coolant Maintenance Intervals in this section.							
Cooling System Filter				R				
Fuel Filters								
Prefilter	R	R	R	R	R	R	R	R
Coalescer (Water Separator)	R	R	R	R	R	R	R	R
Final Filter	R	R	R	R	R	R	R	R
Initial Valve Lash Adjustment	Adjust at 60,000 miles (100,000 km) or nearest scheduled maintenance interval.							
Belts	I	I	I	I	I	I	I	R
Air System	I	I	I	I	I	I	I	I
Air Cleaner	I	I	I	I	I	I	I	I
Exhaust System	I	I	I	I	I	I	I	I
Aftertreatment Device	Inspect external hardware and connections at every oil change. Remove ash at 300,000 miles (480,000 km) or 9,000 hours.*							
Air Compressor	I	I	I	I	I	I	I	I

\* Whichever comes first.

R- Replace

I- Inspect, service, correct, or replace as necessary.

**Table 12 Severe Service Maintenance Intervals**

Miles X 1000/ Km X 1000/ Hours*	35/ 55/ 895	70/ 110/ 1795	105/ 165/ 2690	140/ 220/ 3590	175/ 275/ 4485	210/ 330/ 5380	245/ 385/ 6280	280/ 440/ 7180
Item	Procedure							
Lubricating Oil	R	R	R	R	R	R	R	R
Lubricating Oil Filter	R	R	R	R	R	R	R	R
Coolant	Intervals for the required coolant are listed in Table Coolant Maintenance Intervals in this section.							
Cooling System Filter			R					
Fuel Filters								
Prefilter	R	R	R	R	R	R	R	R
Coalescer (Water Separator)	R	R	R	R	R	R	R	R
Final Filter	R	R	R	R	R	R	R	R
Initial Valve Lash Adjustment	Adjust at 60,000 miles (100,000 km) or nearest scheduled maintenance interval.							
Belts	I	I	I	I	I	I	I	R
Air System	I	I	I	I	I	I	I	I
Air Cleaner	I	I	I	I	I	I	I	I
Exhaust System	I	I	I	I	I	I	I	I
Aftertreatment Device	Inspect external hardware and connections at every oil change. Remove ash at 300,000 miles (480,000 km) or 9,000 hours.*							
Air Compressor	I	I	I	I	I	I	I	I

\* Whichever comes first.

R- Replace

I- Inspect, service, correct, or replace as necessary.

**Table 13 Short Haul Maintenance Intervals**

Miles X 1000/ Km X 1000/ Hours*	50/ 80/ 1280	100/ 160/ 2565	150/ 240/ 3845	200/ 320/ 5125	250/ 400/ 6410	300/ 480/ 7690
Item	Procedure					
Lubricating Oil	R	R	R	R	R	R
Lubricating Oil Filter	R	R	R	R	R	R
Coolant	Intervals for the required coolant are listed in Table Coolant Maintenance Intervals in this section.					
Cooling System Filter		R				
Fuel Filters						
Prefilter	R	R	R	R	R	R
Coalescer (Water Separator)	R	R	R	R	R	R
Final Filter	R	R	R	R	R	R
Initial Valve Lash Adjustment	Adjust at 60,000 miles (100,000 km) or nearest scheduled maintenance interval.					
Belts	I	I	I	I	I	R
Air System	I	I	I	I	I	I
Air Cleaner	I	I	I	I	I	I
Exhaust System	I	I	I	I	I	I
Aftertreatment Device	Inspect external hardware and connections at every oil change. Remove ash at 300,000 miles (480,000 km) or 9,000 hours.*					
Air Compressor	I	I	I	I	I	I

\* Whichever comes first.

R- Replace

I- Inspect, service, correct, or replace as necessary.

### Table 14 Long Haul Maintenance Intervals

### ADDITIONAL SERVICE INFORMATION

Additional service information is available in the Detroit Diesel *DD15 Workshop Manual*, DDC-SVC-MAN-0002. The next revision to this manual will include the revised information.

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