



# Service Bulletin No. 1042

**MODEL** : T2100 Series

**TYPE** : Service information

**MANUAL &**

**SECTION** : Maintenance Manual M380

**DATE** : April 30<sup>th</sup>, 2000

**SUBJECT** : M380 Maintenance Manual, revision D

**CONDITIONS** : Service information only. Note that no claims will be accepted with reference to this Bulletin.

## **DESCRIPTION:**

Revision D of Van Hool manual M380 has been released for distribution to end users. Refer to the summary in this Bulletin for the list of major amendments made to the M380C version. Replace the entire contents of your Maintenance Manual by the accompanying revised sections, re-using the tabs, to keep your T2100 reference book up-to-date.

## **REVISION D : LIST OF MAJOR AMENDMENTS MADE TO MAINTENANCE MANUAL M380C**

### **Chapter 1 : General Information**

- Section 1.1: - The paragraph on « Service information sheets » has been replaced by a text on « Service Bulletins » (page 1.1-5).  
- The Illinois Service Center has been entered on the list of service addresses (page 1.1-6)

### **Chapter 2 : Cooling system**

- Section 2.1A : - The new style surge tank has been introduced (page 2.1A-4)  
- The constant torque hose clamps have been introduced (page 2.1A-11)  
- The cooling system troubleshooting flowcharts have been updated (pages 2.1A-17 through 2.1A-19)
- Section 2.1B : - The values of the « Supplemental coolant additives concentration limitations » have been changed (page 2.1B-10)  
- The constant torque hose clamps have been introduced (page 2.1B-10)
- Section 2.3 : - The difference in fan clutch control between coaches with Cummins engine and hydraulic retarder vs Jake Brake has been explained (page 2.3-1).  
- The new cooling fan clutch mechanical locking device has been introduced (page 2.3-2).

### **Chapter 3 : Drive train**

- Section 3.1A : - Instructions on draining the ISM engine fuel filter have been added (page 3.1A-9).  
- An illustration showing the different types of drive belts has been added (page 3.1A-11).  
- The drive belt tension chart has been updated (page 3.1A-16).
- Section 3.1B : - An illustration showing the different types of drive belts has been added (page 3.1B-10).  
- The new alternator drive on current coaches has been introduced (page 3.1B-12)  
- The drive belt tension chart has been updated (pages 3.1B-16 and 17)
- Section 3.2B : The DDEC IV control system has been introduced (all pages)
- Section 3.2C : The ISM engine control system has been introduced (all pages)
- Section 3.3B : The B500 WTECIII control system has been introduced (all pages)
- Section 3.4 : Prop shaft inspection and maintenance has been revised (all pages)

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## **Chapter 4 : Axles, wheels and tires**

Section 4.1 : The front axle wheel alignment specifications have been revised (page 4.1-1)

Section 4.2 : The drive axle wheel alignment specifications have been added (page 4.2-1)

Section 4.3 : The tag axle wheel alignment specifications have been revised (page 4.3-1)

## **Chapter 5 : Brakes**

Section 5.1 : A caution has been added to step 7 of the brake adjustment procedure (page 5.1-14)

Section 5.8 : New ASR valve resistance values have been introduced (page 5.8-13)

## **Chapter 6 : Air system**

Section 6.4 : The caption of Figure 2 has been revised (page 6.4-1)

## **Chapter 8 : Suspension**

Section 8.1 : The section on the suspension air system has been revised completely (all pages)

## **Chapter 9 : Electrical system**

Section 9.2 :

- The voltage regulator service instructions have been changed (page 9.2-8)
- Alternator installation and replacement precautions have been added (page 9.2-9)
- A new battery equalizer has been introduced (page 9.2-14)

Section 9.4 : A note has been added to the « Speedometer impulse sender » paragraph (page 9.4-5)

Section 9.6 : Information has been added on :

- Front fog lamps (page 9.6-4)
- Docking lights (page 9.6-7)
- A new type of center stop light (page 9.6-8)
- An external power supply socket (page 9.6-17)

Section 9.7 : The section on fuses, circuit breakers and relays has been revised completely (all pages)

Section 9.8 : The section on electrical wiring diagrams has been revised completely (all pages)

## **Chapter 10 : HVAC system**

Section 10.5 : - The Proheat combustion heater has been introduced (page 10.5-3)  
- The item on waterflow control valves has been revised (page 10.5-34)

## **Chapter 11 : Body and accessories**

Section 11.2 : The section on passenger doors has been revised completely (all pages)

## **Chapter 12 : Maintenance schedule and appendices**

Section 12.1 : The maintenance schedule has been revised completely (all pages)

Section 12.3 : - The values in the « SCA concentration limitations » chart have been changed (page 12.3-4)  
- A special grease for the prop shaft has been introduced (page 12.3-5)

*List complete.*