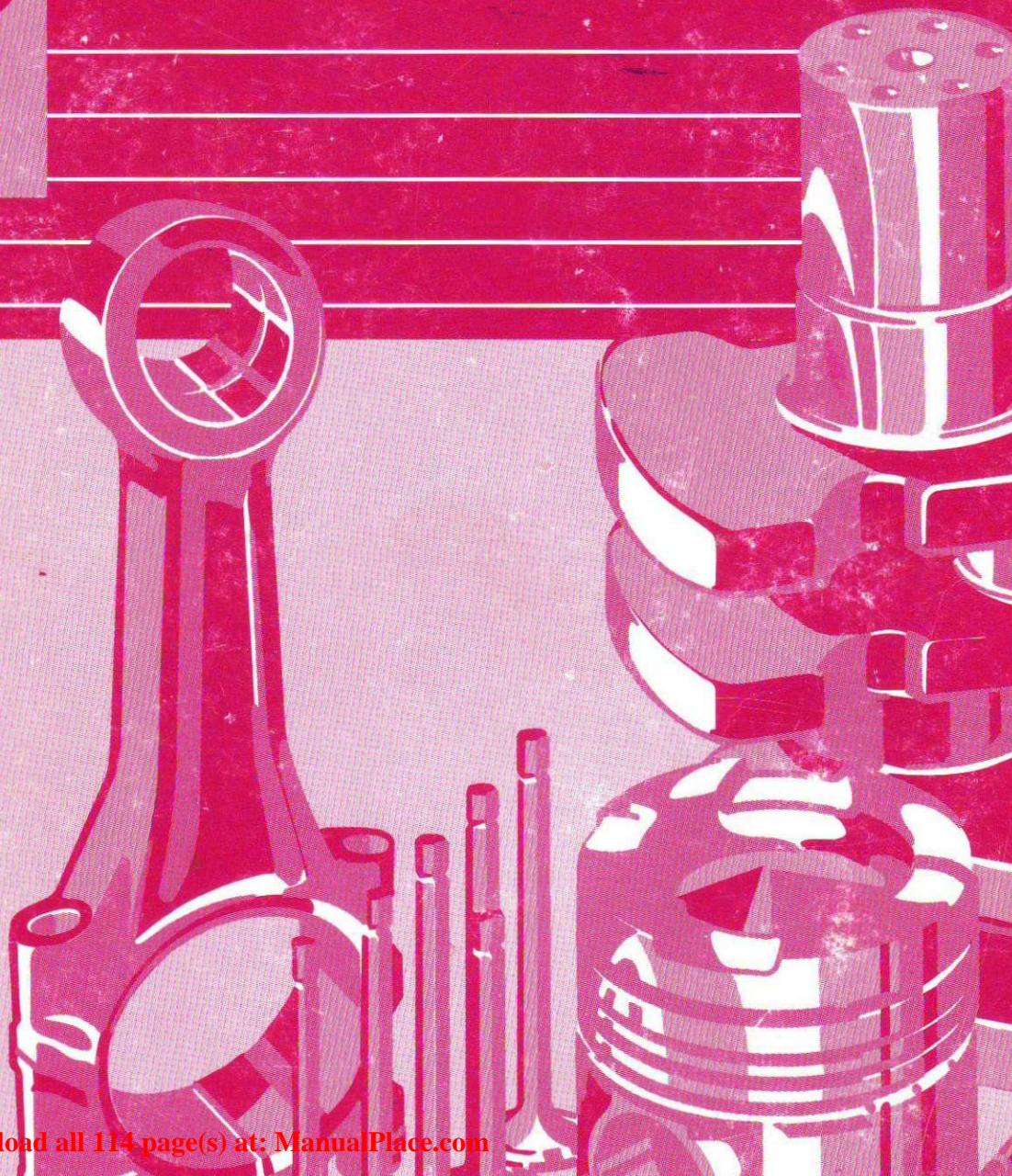




Parts

N14

Step Timing  
Industrial

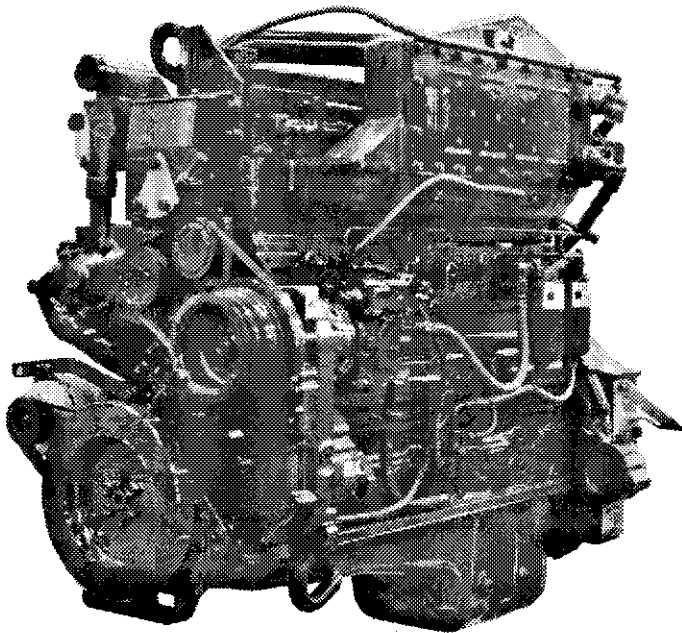




## Parts Catalog

### N14

Step Timing Control  
Industrial





# Cummins Engine Co., Inc.

## New Parts Warranty Heavy Duty

### COVERAGE

#### PRODUCTS WARRANTED

These warranties apply to New Parts marketed by Cummins for its engines (except those for A, B, and C series engines). They apply anywhere in the world where service is available through a Cummins distributor or full service dealer.\*

#### BASE WARRANTY

The Base Warranty covers any failures of parts on or after March 31, 1986, which result, under normal use and service, from defects in workmanship or material (Warrantable Failures). The coverage on cylinder lds designated by Cummins as "Premium Plus" extends two years, 200,000 miles (321,870 kilometers) or 7,200 hours of operation, whichever occurs first, from the date of first installation. The coverage on other parts extends one year, 100,000 miles (160,935 kilometers) or 3,600 hours of operation, whichever occurs first, from the date of first installation.

#### EXTENDED MAJOR COMPONENTS WARRANTY

The Extended Major Components Warranty covers Warrantable Failures on or after March 31, 1986, of engine cylinder blocks, crankshafts, flangeless NT camshafts\*\* and connecting rods (Covered Parts). Bushing and bearing failures are not included. This coverage begins with the expiration of the Base Warranty and ends three years, 300,000 miles (482,805 kilometers) or 10,800 hours of operation, whichever occurs first, from the date of first installation.

Both the Base Warranty and Extended Major Components Warranty apply to all Owners in the chain of distribution, and coverage continues to all subsequent Owners until the end of the respective periods of coverage.

### CUMMINS RESPONSIBILITIES

#### DURING THE BASE WARRANTY

Cummins will pay for all parts and labor needed to repair the damage to the engine resulting from the Warrantable Failure. All labor costs will be paid in accordance with Cummins published Standard Repair Operation guidelines.

Cummins will pay for the lubricating oil, antifreeze, filter elements, and other maintenance items that are not reusable due to the Warrantable Failure.

Cummins will pay reasonable labor costs for engine removal and reinstallation when necessary to make the warranty repair.

When the parts are installed in a non-automotive engine, Cummins will pay reasonable travel expenses for mechanics to and from the engine site, or the repair dock in the case of a marine engine, including meals, mileage and lodging when it is necessary for mechanics to make on-site warranty repairs.

#### DURING THE EXTENDED MAJOR COMPONENTS WARRANTY

Cummins will pay for the Covered Part and for any Covered Part damaged by a Warrantable Failure of another Covered Part.

### OWNER RESPONSIBILITIES

#### DURING THE BASE WARRANTY

Before expiration of the warranty, Owner must give notice to a Cummins distributor or full service dealer\* of a failure considered to be warrantable and have the repair performed by such facility.

If the part was installed in an automotive engine, the Owner must deliver the engine to the repair location. If installed in a marine engine, Owner is responsible for the cost of towing the boat to a repair dock and for any associated docking and harbor charges.

Owner is responsible for the cost of lubricating oil, antifreeze, filter elements and other maintenance items replaced during warranty repairs except where such items are not reusable due to a Warrantable Failure.

#### DURING THE EXTENDED MAJOR COMPONENTS WARRANTY

Before expiration of the warranty, Owner must give notice to a Cummins distributor or full service dealer\* of a failure considered to be warrantable and deliver the defective and damaged Covered Parts to such facility.

Owner is responsible for the cost of all parts needed for the repair except for the defective Covered Part and for any Covered Part damaged by a Warrantable Failure of another Covered Part.

Owner is responsible for the cost of all labor needed to repair the engine, including the labor to remove and reinstall the engine. When Cummins elects to repair a part instead of replacing it, Owner is not responsible for the labor needed to repair the part.

Owner is responsible for the cost of lubricating oil, antifreeze, filter elements and other maintenance items replaced during the repair.

#### DURING BOTH WARRANTIES

At the time when the parts are installed, Owner is responsible for the preparation of a written record containing the following: (1) the date of installation of the parts; (2) the engine serial number; (3) the engine miles, hours or kilometers of operation; (4) the parts installed, and (5) the location of the parts in the engine. The purpose of this record is to protect Owner's interests and support any claim for a Warrantable Failure.

Owner is responsible for the operation and maintenance of the engine as specified in Cummins Operation and Maintenance Manuals.

Owner is responsible for communication expenses, meals, lodging and similar costs incurred by Owner as a result of a Warrantable Failure. Owner is responsible for non-engine repairs and for "down time" expenses, cargo damage and all business costs and losses resulting from a Warrantable Failure. CUMMINS IS NOT RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.

### LIMITATIONS

Cummins is not responsible for failures resulting from Owner or Operator abuse or neglect, such as: operation without adequate coolant, fuel or lubricants; overfueling; overspeeding; lack of maintenance of lubricating, cooling or air intake systems; improper storage, starting, warm-up, run-in or shutdown practices. Cummins is also not responsible for failures caused by incorrect fuel, or by water, dirt or other contaminants in the fuel.

Cummins does not warrant parts supplied by Cummins which bear the name of another company. These parts are warranted by their manufacturers and not by Cummins. This category of parts includes, but is not limited to: hydraulic pumps, alternators, starters, fans, air conditioning compressors, clutches, steering pumps, transmissions, torque converters, marine gears, air cleaners, filters and non-Cummins air compressors, power steering pumps, and engine compression brakes.

Parts provided may be new Cummins, Cummins approved rebuilt parts, or repaired parts. Cummins is not responsible for failures resulting from the use of parts not approved by Cummins.

Before a claim for excessive oil consumption will be considered, Owner must submit adequate documentation to show that consumption exceeds Cummins published standards.

This warranty does not apply to parts furnished by Cummins at no charge to the Owner.

**INVEST IN THE BEST**

## Product Identification Information

Data plates should be referred for parts identification.

### 1. ENGINE DATA PLATE

Engine No.	Advert. HP	at	RPM	Family	<b>Cummins</b>	[Dark Bar]
Model	Advert. HP	at	RPM	Family		
S.O. No.	Valve Lash Coll.	Int.	Est.	CPL	Family	[Dark Bar]
Date of Mfg.	Int. Set	Manufactured by	Warranty St. Date			
Ref. No.						

ap6000ga

1. Shop order number
2. Model designation
3. Engine serial number
4. Control parts list

### 2. ELECTRONIC CONTROL MODULE DATA PLATE

<b>Cummins</b>
1 → P/N    xxxxxxxx
2 → S/N    xxxxxxxx
3 → D/C    xxxx

1. Part number
2. Serial number
3. Data code

**This catalog was compiled by KC Carman in Parts Communications.**

## Customer Service Information

This standard Parts Catalog contains parts information for the following Cummins Engine Model(s):

NTA14-C

D093635CX03

CPL 1921, CPL 2033, CPL 2038

Certain basic engine components have been matched to give optimum performance to your engine. The part numbers listed in this catalog for these components are for a standard engine configuration. When ordering any of the Control Parts List (CPL) components listed below, please order by part description and engine serial number. Reference to the CPL number stamped on the engine data (name) plate will also help identify the proper service parts for your engine.

### Control Parts List (CPL) Components

Camshaft  
Cylinder Head  
Injector

Page 54  
Page 57  
Page 59, 67, 71

Piston, Engine  
Turbocharger  
Exhaust Manifold

Page 53, 63, 65, 69  
Page 81  
Page 84

### USER INFORMATION

- . Parts numbers appearing in ( ) are for identification purposes only and should not be used when ordering service replacement parts.
- . The reference numbers appearing on the art pages is for publication use only.
- . Assembly content is shown by part number indentation.
- . Options are engineered production part groupings, specifically used for compiling engine orders.
- . Option numbers are for reference only and are not sold for service.
- . Use assembly and not option content to determine service parts replacement.

### ALWAYS SPECIFY ENGINE MODEL AND SERIAL NUMBER WHEN ORDERING PARTS FROM THIS CATALOG

Engine Model \_\_\_\_\_ Engine Serial No. \_\_\_\_\_

MFG Make \_\_\_\_\_ Model \_\_\_\_\_ Chassis No. \_\_\_\_\_

Fuel Pump Assembly No. \_\_\_\_\_ Injector No. \_\_\_\_\_

Belt, Fan \_\_\_\_\_ Belt, Water Pump \_\_\_\_\_ Belt, Gen. \_\_\_\_\_

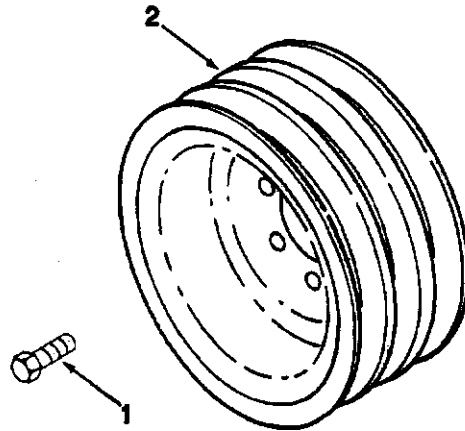
Element, Fuel Filter \_\_\_\_\_ Full Flow Lub. Filter \_\_\_\_\_

Air Cleaner \_\_\_\_\_ By-Pass Lub. Filter \_\_\_\_\_

Special Equipment  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

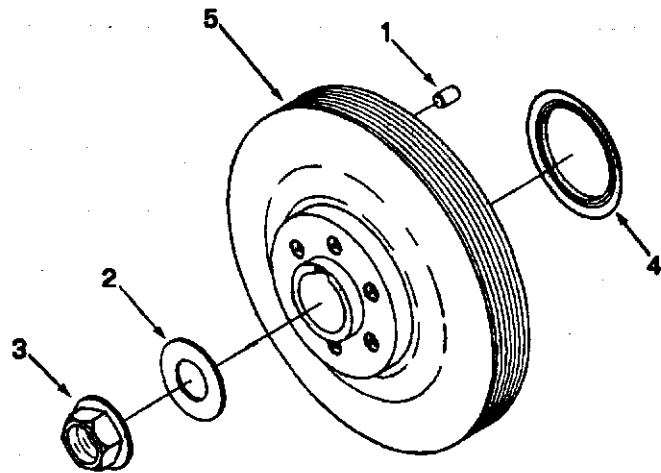
## Table of Contents

	Page No.
Accessory Drive Pulley .....	2, 3
Aftercooler Water Plumbing .....	93
Agency Approval .....	4
Air Fuel Control Plumbing .....	24
Cam Follower .....	17
Camshaft .....	54
Corrosion Resistor .....	94
Crankcase Breather .....	13
Crankshaft .....	11
Cylinder Block .....	7
Cylinder Head .....	57
Cylinder Liner Kit .....	8
Engine Oil Cooler .....	41
Engine Piston .....	53, 63, 69
Fan Drive .....	23
Flywheel .....	34
Flywheel Housing .....	27
Front Engine Support .....	20
Front Gear Cover .....	37
Fuel Filter .....	25
Fuel Plumbing .....	31
Fuel Pump .....	28
Fuel Pump Drive .....	19
Fuel Shutoff Valve .....	33
Full Flow Oil Filter .....	42
Hydraulic Variable Timing .....	61
Injector .....	59, 67, 71
Lifting Bracket .....	38
Lube Oil Pump .....	45
Oil Control Valve .....	73
Oil Control Valve Mounting .....	75
Oil Filler Arrangement .....	47
Oil Manifold .....	79
Oil Pan .....	49
Piston Cooling Nozzle .....	51
Ref Compressor Mounting .....	14
Rocker Lever .....	83
Thermostat Housing .....	87
Throttle Lever .....	88
Turbocharger .....	81
Turbocharger Arrangement .....	85
Turbocharger Plumbing .....	89
Valve Cover .....	91
Viscosity Sensor .....	77
Water Inlet Connection .....	95
Water Pump .....	97
Option Number Index .....	A-1
Part Number Index .....	B-1



ad103gp

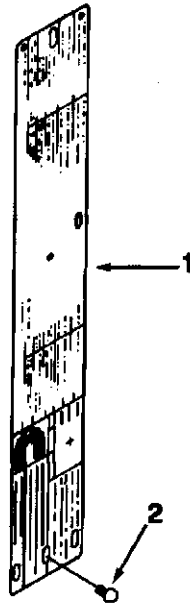
Ref No.	Part Number	Part Name	Req	Remarks
		<p><b>ACCESSORY DRIVE PULLEY</b> <b>OPTION AD1272</b></p>		<p>Intended drive: Fan and accessory. Fan groove diameter (in): 7.04 (178.816 mm). Fan groove type (in): Dual .800 V. Fan drive groove location (nominal-in): 5.16 (131.064 mm). Extra groove diameter (in): 7.55 (191.77mm). Extra groove type (in): single .515 V. Extra groove location (in): 4.00 (101.6 mm).</p>
1	175833	Screw, Hexagon Head Cap	6	3/8 - 16 x 1 1/8 inch
2	3013336	Pulley, Accessory Drive	1	



ad103gg

Ref No.	Part Number	Part Name	Req	Remarks
<b>ACCESSORY DRIVE PULLEY OPTION AD1701</b>				
1	70550	Dowel, Pin	1	Base pulley only. Water pump drive for two piece accessory drive arrangement. Pulley designed to drive a 6 rib "K" section polyvee belt. Re: Large shaft. Assembly and repair areas have a mandatory requirement to use an oil seal assembly guide.
2	193136	Washer, Plain	1	
3	3012526	Nut, Hexagon Flange	1	
4	3076202	Seal, Dust	1	
5	3081163	Pulley, Accessory Drive	1	





ap100gd

Ref No.	Part Number	Part Name	Req	Remarks
<b>AGENCY APPROVAL</b>				
<b>OPTION AP1001</b>				
1	3077274	Dataplate	1	This option may only be used in applications that do not require certification. It may not be used in the U.S. for industrial non-road or automotive applications without an exemption.
2	3056508	Screw, Drive	3	

