



XEBP7955-05

January 2010

312C

Track-Type Excavator

Powered by 3064 Engine

SERIAL NUMBER

CAE1201 To Last Built(Vehicle)

6LK26372 To Last Installed(Engine)

HOW TO USE THE PARTS MANUAL

Caterpillar Parts Manuals include illustrations of the groups or assemblies which make up the machine. These illustrations show the standard components plus many of the attachments available for the machine.

The alphabetical index located in the front part of the book should be used to determine the page number on which specific illustrations are shown. Reference to those pages will identify each of the individual serviceable parts.

Captions

The caption under each illustration identifies the part number and name of the group or assembly shown. If more than one illustration is included for any group, the caption identifies the specific machine serial numbers to which each illustration applies. In some cases it is not possible to determine the specific machine serial numbers to which different illustrations are applicable. In those cases the caption identifies the illustration as "First Type", "Second Type", etc. Reference to the actual group or assembly is necessary in those cases to determine which illustration should be used.

Captions provide additional information such as page numbers where illustrations of sub assemblies are shown, information regarding quantities used and other information intended to assist the user in determining parts needs.

This information indicates the effective serial number or effective date on which changes became effective.

Example :

D95.05- : Applicable on and after May 1995

↑ D indicates the nineteen hundreds.

T00.05- : Applicable on and after May 2000

↑ T indicates the two thousands.

Indented Part Names

Within each illustration is a parts list identifying each serviceable part in the illustration. When a part name is indented in this list, it means that serviceable item is a part of the serviceable item under which it is indented.

Abbreviations and Symbols

R.H. Right Hand
L.H. Left Hand

} Refers to the side of the machine as viewed from the operator's compartment.

L	Length
T	Thickness
Z	Number of Gear Teeth
O.D.	Outside Diameter
I.D.	Inside Diameter
O.S.	Over Size
U.S.	Under Size
N/S	Not Serviced
AS	Assembly
NOM	Nominal

Abbreviations of Wire Colors

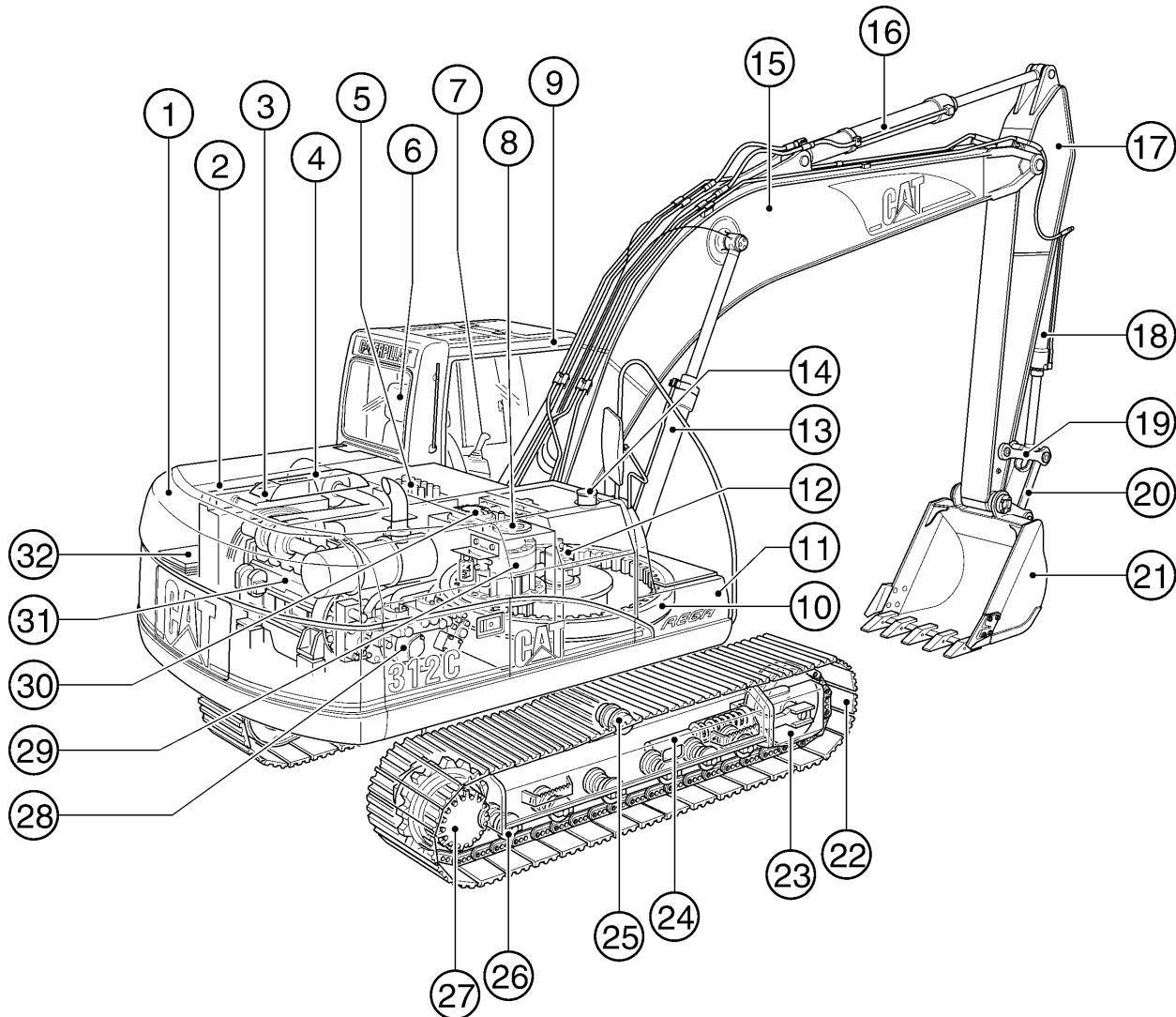
RD :Red	BR :Brown
WH :White	GN :Green
OR :Orange	BU :Blue
YL :Yellow	T :Tan
PK :Pink	DK/BU :Dark Blue
BK :Black	DK/GN :Dark Green
GY :Gray	LT/BU :Light Blue
PU :Purple	LT/GN :Light Green

Note

Continuing improvement and advancement of product design may cause changes to your machine which may not be included in this publication. Each publication is reviewed and revised, as required, to update and include these changes in later editions.

Whenever a question arises regarding your Caterpillar product, or this publication, please consult your Caterpillar dealer for the latest available information.

MODEL VIEW



PAGE	PAGE	PAGE			
① Counterweight	232	⑫ Swivel	432	⑬ Idler	247
② Engine Cover	204	⑬ Boom Cylinder	298	⑭ Track Adjuster	251
③ Radiator & Oil Cooler	38	⑭ Fuel Tank	67	⑮ Carrier Roller	252
④ Air Cleaner	51	⑮ Boom	638	⑯ Track Roller	252
⑤ Control Valve	450	⑯ Stick Cylinder	299	⑰ Final Drive	196
⑥ Operator Seat	594	⑰ Stick	644	⑱ Pump	273
⑦ Control Lever	434	⑲ Bucket Cylinder	300	⑲ Swing Drive	424
⑧ Hydraulic Tank	262	⑲ Link	661	⑳ Return Filter	288
⑨ Cab	513	⑳ Rod	661	㉑ Engine	11.01
⑩ Swing Bearing	238	㉑ Bucket	679	㉒ Battery	86
⑪ Storage Box	227	㉒ Track	258		

REPLACEMENT ITEMS

The following chart provides a convenient listing of those items which require occasional replacement during normal operation or maintenance.

DESCRIPTION	PART NO.	QTY. USED	PAGE NO.
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Air Filter			
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Cab Air Filter	293-1184	1	611
Engine Oil Filter	1R-0739	1	35
Fuel Filter	1R-0751	1	73
Hydraulic Oil Drain Filter	093-7521	1	286
Hydraulic Oil Pilot Filter	215-4909	1	287.01
	5I-8670	1	287.02
Hydraulic Tank Return Filter	126-2081	1	289
	179-9806	1	291
V-Belt			
Alternator & Fan V-Belt Set	217-5420	1	31
Refrigerant Compressor V-Belt	255-3014	1	625

LIST OF ATTACHMENTS

The following chart provides a convenient listing of attachments with their reference page numbers as a quick reference for parts ordering.

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183-1476	2600MM WIDE	635
151-1494	2700MM WIDE	636
198-2121	2700MM WIDE (With Auxiliary Pump Control)	633
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171-0020	BOOM LOWERING CONTROL	359
283-8801	Product Link Japan	168.01
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EXCAVATION (X)		
150-2239	600MM Wide-0.32Cu.M.-Adapter Size J250 (CAE01201-T04.11)	669
250-6367	564MM Wide-0.32Cu.M.-Adapter Size J250 (CAE T04.12-Up)	669.01
150-2240	700MM Wide-0.38Cu.M.-Adapter Size J250 (CAE01201-T04.11)	669
250-6370	664MM Wide-0.38Cu.M.-Adapter Size J250 (CAE T04.12-Up)	669.01
150-2241	895MM Wide-0.45Cu.M.-Adapter Size J250 (CAE01201-T04.11)	670
250-6373	794MM Wide-0.45Cu.M.-Adapter Size J250 (CAE T04.12-Up)	670.01
168-2878	895MM Wide-0.45Cu.M. (ESCO) (CAE01201-T04.11)	672
250-6385	780MM Wide-0.45Cu.M. (ESCO) (CAE T04.12-Up)	672.01
150-2242	990MM Wide-0.52Cu.M.-Adapter Size J250 (CAE01201-T04.11)	670
250-6376	884MM Wide-0.52Cu.M.-Adapter Size J250 (CAE T04.12-Up)	670.01
159-5676	990MM Wide-0.52Cu.M. (ESCO) (CAE01201-T04.11)	673
250-6388	875MM Wide-0.52Cu.M. (ESCO) (CAE T04.12-Up)	673
150-2243	1000MM Wide-0.57Cu.M.-Adapter Size J250 (CAE01201-T04.11)	671
250-6379	964MM Wide-0.57Cu.M.-Adapter Size J250 (CAE T04.12-Up)	671.01
150-2244	1090MM Wide-0.63Cu.M.-Adapter Size J250 (CAE01201-T04.11)	671
250-6382	1054MM Wide-0.63Cu.M.-Adapter Size J250 (CAE T04.12-Up)	671.01
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251-2864	CASTING TYPE (CAE02265-Up)	631.01
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251-2866	FABRICATION TYPE (CAE02265-Up)	632.01
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251-2922	FABRICATION TYPE (Heavy Duty) (CAE02265-Up)	631.02
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170-2607	BOTTOM, HEAVY DUTY	222
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215-9876	BUCKET CYLINDER (For Demolition) (CAE01201-02264)	321.01
229-1067	BUCKET CYLINDER (For Demolition) (CAE02265-Up)	321.02
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164-0535	CAB FRONT (Half Net)	580
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ENGINE ARRANGEMENT

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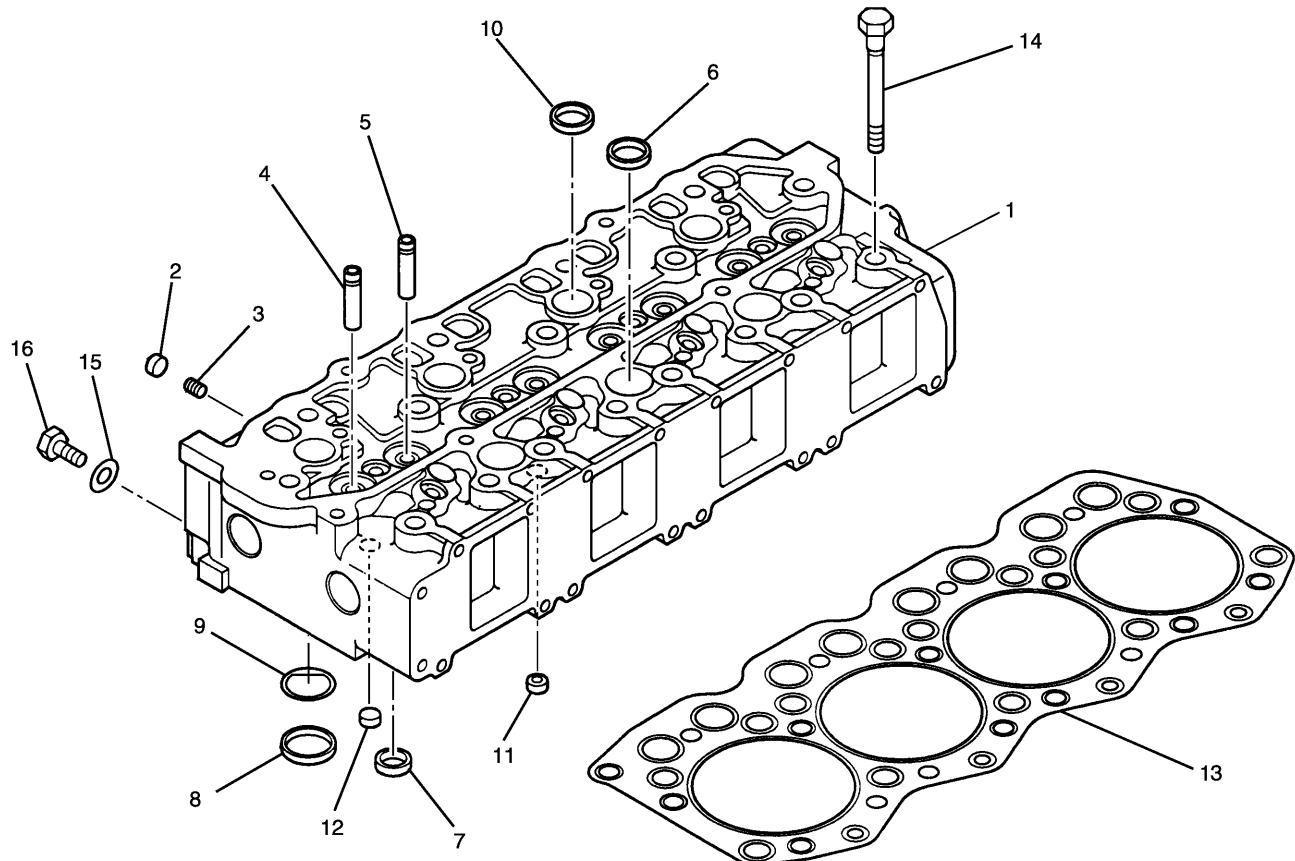
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1 212-8622	ALTERNATOR GP-CHARGING 174

THE FOLLOWING REPAIR KIT IS AVAILABLE:

- 1 239-6684 CAP KIT

H93799E 08

MEMORANDA

BASIC ENGINE

NOTE	No.	PART No.	QTY	PART NAME	NOTE	No.	PART No.	QTY	PART NAME
	1	212-8472	1	HEAD AS					
	2	099-4388	4	CAP					
	3	51-7505	4	PLUG					
	4	183-8172	4	GUIDE (INTAKE)					
	5	183-8173	4	GUIDE (EXHAUST)					
	6	51-4915	10	CAP					
	7	51-8012	4	INSERT (EXHAUST)					
	8	212-8474	4	INSERT (INTAKE)					
	9	212-8473	4	PLATE					
	10	212-8475	4	CAP					
	11	212-8476	3	CAP					
	12	51-7583	2	CAP					
	13	222-8330	1	GASKET					
	14	51-7718	17	BOLT (L=125mm)					
	15	095-2038	1	WASHER					
	16	51-5591	1	PLUG					

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205-6837 CYLINDER HEAD GP
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