REPLACEMENT PARTS CATALOG

NO. 191

GENERAL PURPOSE AND SPECIAL DUTY LOCOMOTIVES

DELIVERED AFTER 1980

Powered By 645 Engines

Refer to Catalog 300 for Engine Replacement Parts

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ELECTRO-MOTIVE

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FOREWORD

Replacement Parts Catalog 191 provides parts ordering information for General Motors locomotives powered by Series 645 diesel engines. Engine replacement parts for these locomotives can be found in Catalog 300.

This catalog is divided into five major sections – Alphabetical Index, General Arrangement, Table of Contents, Parts Lists, and Numerical Index. The proper use of these sections in the correct sequence permits easy identification of the replacement part and its ordering reference.

Alphabetical Index

This section is an alphabetical listing of the noun description used to identify a replacement part. Each description is referenced to the Parts List number in which it appears. For example:

BEARING .. Journal	1555A
BEARING .. Traction Motor Support	3912A
BELL .. Locomotive	2945A

The applicable Parts List for Journal Bearings is 1555A. This Parts List number can now be referenced in the Table of Contents.

General Arrangement

A General Arrangement has been added to the Catalog as an aid in identifying major service assemblies when the correct noun description cannot be found in the Alphabetical Index. This may be due to you using a different nomenclature for describing a part.

Table Of Contents

The Table of Contents is a listing of all the Parts Lists in numerical sequence. Under the general headings of each Parts List are detailed subject descriptions, the page on which they appear, and the applicable engine models. For example:

Parts List Number	Subject	Page	Locomotive Application
A3705A	D.C. Auxiliary Generator Auxiliary Generator Assemblies	1	GP15-1,GP15-2,GP38-2, GP39-2,GP40-2,GP49, GP50

D.C. auxiliary generators are found on Page 1 of Parts List A3705A. The alpha prefix in the Parts List Number indicates the revision level: "A" being a new Parts List, "B" the first revision, "C" the second revision, etc.

PARTS LISTS

Parts Lists contain the part numbers for serviceable replacement components of the locomotive. The method of listing items within a Parts List is called the "Indented System." Components of an assembly will have their descriptions indented to the right and directly beneath the assembly, for example:

Ref. No.	Part Number	Qty. Req.	Description
1	9532124	1	BEARING ASSEMBLY .. Journal - Timken 6-7/8 x 12 - Class "G-G"
2	9571770	1	CAP .. End
3	9571783	1	BEARING ASSEMBLY .. Tapered roller
4	9571775	1	CUP .. Double
5	9571776	2	ROLLER ASSEMBLY .. Includes cage, cone, and rollers
6	9539651	1	ADAPTER .. Bearing - Plain

The Journal Bearing Assembly (Ref. No. 1) includes all the items indented under it (Ref. Nos. 2 thru 5). The Tapered Roller Bearing (Ref. No. 3) includes Ref. Nos. 4 and 5. The Bearing Adapter (Ref. No. 6) will have to be ordered separately since it is not indented under a higher assembly.

When similar items apply to the same model locomotive, specify original railroad, locomotive model and road number.

Items not identified by a Part Number in the Parts List may be ordered by specifying the following information on the purchase order – Catalog Number, Parts List Number, Reference Number, Description, and the Assembly Part Number and Description. For example:

Ref. No.	Part Number	Qty. Req.	Description
1	8465525	1	LOCK ASSEMBLY .. Door latch - Cab door
2		1	BODY ASSEMBLY .. Latch
3	8186801	1	SPRING .. Latch

Order the cushion as follows: Quantity 1, Body Assembly, Catalog 191, Parts List A2543A, Page 2, Reference Number 2, part of Lock Assembly 8465525.

Illustrations in the Parts Lists are assigned Plate Numbers. These Plate Numbers use the Parts List number as a base, then are prefixed with a revision letter and suffixed with a serial number. For example, Plate A2543A-2 is the second plate appearing in Parts List 2543A, the "A" prefix denotes that this is a new Plate. The Plate prefix and the Parts List prefix may not always match since it is possible to revise one without revising the other.

All illustrations are intended to be used as a visual guide for locating a replacement part, and the illustration used may not always be an exact representation of your particular equipment.

Parts List Headings

REFERENCE NUMBER – Indicates part number location in the text and corresponds to the part identification reference in the illustration.

PART NUMBER – The number to be used for ordering purposes.

QUANTITY REQUIRED – Lists the total Quantity Required for that particular application. A dash (-) in this column indicates that the part is not a component of that particular application or assembly, or that optional quantities appear in the Description column. "As Required" or its abbreviation in this column indicates the quantity will vary for each application.

DESCRIPTION – Gives a detailed description of the part. Also used for application information, part number change references, part numbers with optional quantities, or part numbers for oversize and/or undersize replacements.

Ref. No.	Part Number	Qty. Req. A	Qty. Req. B	Description
		A	-	SHOCK ABSORBER APPLICATION .. With tapered roller journal bearings
		-	B	SHOCK ABSORBER APPLICATION .. With straight roller journal bearings
1	22012514	1	1	ABSORBER .. Shock
2	9529903	1	-	BRACKET .. Mounting - Lower
3	9337252	-	1	BRACKET .. Mounting - Lower
4	9337247	1	1	BRACKET .. Mounting - Upper

In the example above, only those components with a quantity listed in Column A are applicable to locomotives with Tapered Roller Journal Bearings. The Shock Absorber (Ref. No. 1) and the Upper Mounting Bracket (Ref. No. 4) are applicable to either type journal bearings. Which of the two lower mounting brackets (Ref. Nos. 2 and 3) you need to order will depend on the type of Journal Bearings on your locomotive.

Parts List Symbols

ASTERISK (*) – Precedes the Reference Number when the part or its location are not shown in the illustration.

OPTION (ϕ) – Precedes the Reference Number when two or more different parts have been used in that particular application. This may be due to different system voltages, design changes, different suppliers, or a part that is applied by customer specification. For example:

Ref. No.	Part Number	Qty. Req.	Description
ϕ14	8431433	1	PLATE .. Wear - Center bearing - Phenolic
ϕ15	8492124	1	PLATE .. Wear - Center bearing - Nylatron

The Option Symbol in this example shows that either part may be ordered since the only difference is the wear plate material.

NOTE (ƒ) – Used when additional information concerning this part is located within the Parts List in the form of an italicized note. For example:

Ref. No.	Part Number	Qty. Req.	Description
ƒ22	8433006	12	SPRING ASSEMBLY .. Journal - Double coil - 8433003 .. Spring - Outer 8433004 .. Spring - Inner

ƒ *Refer to M.I. 1512 for Spring specifications and service information.*

PLUS (+) – Precedes the Reference Number when a part listed is not in its primary Parts List, but is shown for clarity or reference.

Numerical Index

Located in the back of the Catalog, the Numerical Index is a listing of every Part Number in the Catalog and is sequenced by Part Number, Parts List, Page, and Reference Number. This index is used to find the Description, Application, or Quantity Required for an item when only the Part Number is known.