

**BODY BUILDER'S DRAWINGS  
AND  
SUPPORTING DATA**

**FE.FG**

**LIT. No. LTE04001-A**

**JUNE 2004**

## INTRODUCTION

This book has been designed to provide information for body and equipment manufacturers who mount their products on MITSUBISHI-FUSO FE.FG chassis.

We believe that all the detailed information which is essential for that purpose is contained in this book, but if you require any additional data or information, please contact:

MITSUBISHI FUSO TRUCK OF AMERICA, INC. 2015 Center Square Road, Logan Township, NJ 08085 (Phone : (856) 467-4500)
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The specifications and descriptions contained in this book are based on the latest product information at the time of publication, but since the design of MITSUBISHI-FUSO truck is continuously being improved, we must reserve the right to discontinue or change at any time without prior notice.

## COMPLIANCE WITH FEDERAL MOTOR VEHICLE SAFETY STANDARDS

The federal government has established Federal Motor Vehicle Safety Standards (FMVSS) for various categories of motor vehicles and motor vehicle equipment under the provisions of the National Traffic and Motor Vehicle Safety Act of 1966. The Act imposes important legal responsibilities on manufacturers, dealers, body builders and others engaged in the marketing of motor vehicles and motor vehicle equipment.

Vehicles manufactured by Mitsubishi FUSO Truck & Bus Corporation (MFTBC) for the subsequent installation of commercial bodies are classified as incomplete vehicles. These vehicles fully comply with certain applicable Motor Vehicle Safety Standards, and partially (or do not) comply with others. They cannot be certified fully because certain components which are required for certification are not furnished. Under present federal regulations, vehicles completed from these units are required to meet all applicable standards in effect on the date of manufacture of the incomplete vehicle, the date of final completion, or date between those two dates, as determined by their final configuration.

MFTBC incomplete vehicles carry in the glove box a document, as shown on the next page, that provides the vehicle types (truck) into which they may appropriately be completed, and the degree to which the incomplete vehicles comply with each of the standards in effect on the date of its manufacture. The completing manufacturer must certify compliance with all applicable standards, but may rely on MFTBC certification for those standards so indicated in the instructions for completing the vehicle document, provided that the instructions for completing the vehicle are followed. Questions may be directed to the Engineering or Service Department of MFTBC.

Alterations, modifications, or additions to the vehicle which affect compliance with FMVSS are not covered by MFTBC certification and are the responsibility of the completing manufacturer. Likewise the completing manufacturer must assume responsibility for compliance with changes in federal requirements that occur after the manufacture of the incomplete vehicle by MFTBC, if he elects to certify compliance as of a later date.

# INCOMPLETE VEHICLE DOCUMENT

**DO NOT REMOVE**

**THIS DOCUMENT MUST REMAIN WITH THIS VEHICLE**

**UNTIL IT IS CERTIFIED AS A COMPLETE VEHICLE**

**THIS INCOMPLETE VEHICLE MANUFACTURED BY**

*MITSUBISHI FUSO TRUCK & BUS CORPORATION*

*16-4, Konan 2 Chome, Minato-ku*

*Tokyo, Japan*

**DATE OF MANUFACTURE :**

**VIN :**

List of FMVSS and CMVSS applicable to MFTBC trucks with GVWR of more than 10,000 lbs. manufactured after April 1, 2004 is shown below.

<u>FMVSS/CMVSS NO.</u>	<u>Title</u>
101	Controls and Displays
102	Transmission Shift Lever Sequence, Starter Interlock and Transmission Braking Effect
103	Windshield Defrosting and Defogging Systems
104	Windshield Wiping and Washing Systems
105	Hydraulic Brake Systems
106	Brake Hoses
108	Lamps, Reflective Devices and Associated Equipment
111	Rearview Mirrors
115	Vehicle Identification Number (CMVSS ONLY)
116	Motor Vehicle Brake Fluids
119	New Pneumatic Tires for Vehicles other than Passenger Cars
120	Tire Selection and Rims for Motor Vehicles other than Passenger Cars
124	Accelerator Control Systems
205	Glazing Materials
206	Door Locks and Door Retention Components
207	Seating Systems
208	Occupant Crash Protection
209	Seat Belt Assemblies
210	Seat Belt Assembly Anchorages
302	Flammability of Interior Materials
1100	Vehicle Emissions (CMVSS only)
1106	Noise Emission (CMVSS only)

In addition to the Incomplete Vehicle Document, a Safety conformance Label as shown to the right is affixed to all the vehicles when shipped from the factory. This label contains all the FMVSS numbers applicable not only to chassis-cabs but also to completed vehicles if they are completed in accordance with the Incomplete Vehicle Document.

This label is affixed to the door latch post of the left-hand side door.

DO NOT COVER OVER WITH ANY OTHER LABEL.

CHASSIS-CAB MANUFACTURED BY  
MITSUBISHI FUSO  
TRUCK & BUS CORP., JAPAN

THIS CHASSIS-CAB CONFORMS TO  
FEDERAL MOTOR VEHICLE SAFETY  
STANDARD NOS. 101. 102. 103. 104.  
105. 106. 111. 116. 119. 120. 124.  
205. 206. 207. 208. 209. 210. 302

THIS VEHICLE WILL CONFORM TO  
STANDARD NO. 108. IF IT IS  
COMPLETED IN ACCORDANCE  
WITH THE INSTRUCTIONS  
CONTAINED IN THE INCOMPLETE  
VEHICLE DOCUMENT FURNISHED  
PURSUANT TO 49 CFR PART 568.

CONFORMITY TO THE OTHER  
SAFETY STANDARDS APPLICABLE TO  
THIS VEHICLE WHEN COMPLETED IS  
NOT SUBSTANTIALLY AFFECTED BY  
THE DESIGN OF THE CHASSIS-CAB.

DATE OF MANUFACTURE

MK465781


## NOISE REGULATIONS

The U.S. Environmental Protection Agency (EPA) has established noise emission standards applicable to medium and heavy trucks in excess of 10,000 lbs. GVWR manufactured after January 1, 1988 (40 CFR §205.52), requiring that they must conform to an 80 dB (A) maximum noise level when tested pursuant to EPA's test procedures.

MFTBC trucks are built in conformance with EPA Noise Emission Standards. Modified or altered vehicles may increase in noise emissions; compliance with applicable noise standards are the responsibility of the subsequent stage manufacturer.

A sample of Noise Emission Conformity Label is shown below. This label is affixed to all the vehicles when shipped from the factory.

DO NOT COVER OVER WITH ANY OTHER LABEL.

<p style="text-align: center;"><b>VEHICLE NOISE EMISSION CONTROL INFORMATION</b></p> <p style="text-align: center;"> <b>mitsubishi FUSO TRUCK &amp; BUS CORPORATION</b></p> <p style="text-align: center;">DATE OF MANUFACTURE <input type="text"/></p> <p>THIS VEHICLE CONFORMS TO U.S. EPA REGULATIONS FOR NOISE EMISSION APPLICABLE TO MEDIUM AND HEAVY TRUCKS. THE FOLLOWING ACTS OR THE CAUSING THEREOF BY ANY PERSON ARE PROHIBITED BY THE NOISE CONTROL ACT OF 1972;</p> <p>A. THE REMOVAL OR RENDERING INOPERATIVE, OTHER THAN FOR PURPOSES OF MAINTENANCE, REPAIR, OR REPLACEMENT OF ANY NOISE CONTROL DEVICE OR ELEMENT OF DESIGN (LISTED IN THE OWNER'S MANUAL) INCORPORATED INTO THIS VEHICLE IN COMPLIANCE WITH THE NOISE CONTROL ACT.</p> <p>B. THE USE OF THIS VEHICLE AFTER SUCH DEVICE OR ELEMENT OF DESIGN HAS BEEN REMOVED OR RENDERED INOPERATIVE.</p>
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This label is affixed to the left-hand side door panel.

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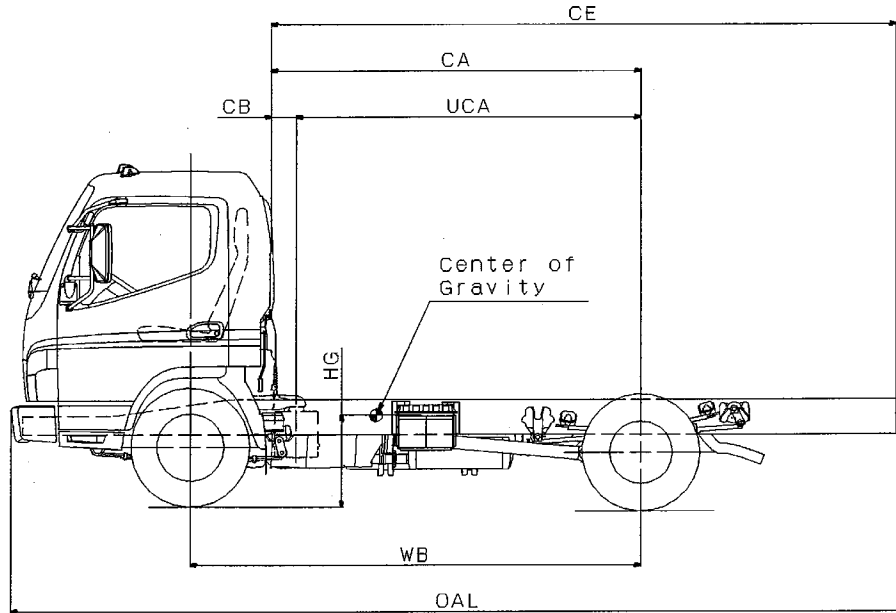
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# 1. LINE-UP CHART

MODEL SERIES	VEHICLE MODEL	BASIC COMPONENTS			BASIC DIMENSIONS mm (in.)				CURB WEIGHT kg (lbs.)			RATING kg (lbs.)				
		ENGINE	TRANS-MISSION	TIRES	WHEEL BASE	OVERALL LENGTH	OVERALL WIDTH (approx.)	OVERALL HEIGHT (approx.)	CAB TO REAR AXLE (ACTUAL)	FRONT	REAR	TOTAL	FRONT	REAR	TOTAL	
FE83D	FE83DDZLSUA	4M50T-1AT7	M036S5	LT215/85R16	2,910 (114.6)	5,796 (228.2)	2,120 (83.5)	2,270 (89.4)	2,385 (93.9)	1,720 (3,790)	835 (1,840)	2,555 (5,630)	2,200 (4,850)	3,900 (8,600)	5,445 (12,000)	
	FE83DEZLSUA				3,410 (134.3)	6,296 (247.9)				2,885 (113.6)	1,750 (3,860)	820 (1,810)				2,570 (5,670)
	FE83DGZLSUA				3,870 (152.4)	6,756 (266.0)				3,345 (131.7)	1,775 (3,915)	825 (1,820)				2,600 (5,735)
	FE83DGZLSUB	4M50T-1AT8	M036A6 (AISIN)		2,910 (114.6)	5,796 (228.2)				2,385 (93.9)	1,765 (3,890)	845 (1,860)				2,610 (5,750)
	FE83DEZLSUB				3,410 (134.3)	6,296 (247.9)				2,885 (113.6)	1,800 (3,970)	830 (1,830)				2,630 (5,800)
	FE83DGZLSUB				3,870 (152.4)	6,756 (266.0)				3,345 (131.7)	1,825 (4,025)	830 (1,830)				2,655 (5,855)
FE84D	FE84DDZLSUA	4M50T-1AT7	M036S5	LT215/85R16	2,910 (114.6)	5,796 (228.2)	2,130 (83.9)	2,275 (89.6)	2,385 (93.9)	1,730 (3,815)	870 (1,920)	2,600 (5,735)	2,430 (5,360)	4,480 (9,880)	6,575 (14,500)	
	FE84DEZLSUA				3,410 (134.3)	6,296 (247.9)				2,885 (113.6)	1,760 (3,880)	855 (1,885)				2,615 (5,765)
	FE84DGZLSUA				3,870 (152.4)	6,756 (266.0)				3,345 (131.7)	1,785 (3,935)	860 (1,895)				2,645 (5,830)
	FE84DHZLSUA	4,170 (164.2)	7,056 (277.8)		3,645 (143.5)	1,780 (3,925)				875 (1,930)	2,655 (5,855)					
	FE84DDZLSUB	4M50T-1AT8	M036A6 (AISIN)		2,910 (114.6)	5,796 (228.2)				2,385 (93.9)	1,775 (3,915)	880 (1,940)				2,655 (5,855)
	FE84DEZLSUB				3,410 (134.3)	6,296 (247.9)				2,885 (113.6)	1,810 (3,990)	860 (1,895)				2,670 (5,885)
	FE84DGZLSUB				3,870 (152.4)	6,756 (266.0)				3,345 (131.7)	1,830 (4,035)	870 (1,920)				2,700 (5,955)
	FE84DHZLSUB				4,170 (164.2)	7,056 (277.8)				3,645 (143.5)	1,830 (4,035)	880 (1,940)				2,710 (5,975)
	FE84DHWSLSUB				4,200 (165.4)	6,485 (255.3)				2,030 (79.9)	1,940 (4,275)	920 (2,030)				2,860 (6,305)
FE85DDZLSUA	4M50T-1AT8			M036S6	215/75R17.5	2,910 (114.6)	5,796 (228.2)	2,126 (83.7)	2,275 (86.4)	2,385 (93.9)	1,780 (3,925)	935 (2,060)	2,715 (5,985)	2,900 (6,395)	5,760 (12,700)	8,160 (17,995)
FE85DEZLSUC		3,410 (134.3)	6,296 (247.9)			2,885 (113.6)	1,810 (3,990)				925 (2,040)	2,735 (6,030)				
FE85DGZLSUC		3,870 (152.4)	6,756 (266.0)			3,345 (131.7)	1,835 (4,045)				930 (2,050)	2,765 (6,095)				
FE85DHZLSUC		4,170 (164.2)	7,056 (277.8)			3,645 (143.5)	1,825 (4,025)				945 (2,085)	2,770 (6,110)				
FE85DJZLSUC		4,470 (176.0)	7,356 (289.6)			3,945 (155.3)	1,840 (4,055)				950 (2,095)	2,790 (6,150)				
FE85DDZLSUB		M036A6 (AISIN)	2,910 (114.6)	5,796 (228.2)		2,385 (93.9)	1,815 (4,000)				945 (2,085)	2,760 (6,085)				
FE85DEZLSUB			3,410 (134.3)	6,296 (247.9)		2,885 (113.6)	1,850 (4,080)				930 (2,050)	2,780 (6,130)				
FE85DGZLSUB			3,870 (152.4)	6,756 (266.0)		3,345 (131.7)	1,865 (4,110)				940 (2,070)	2,805 (6,180)				
FE85DHZLSUB			4,170 (164.2)	7,056 (277.8)		3,645 (143.5)	1,865 (4,110)				950 (2,095)	2,815 (6,205)				
FE85DJZLSUB			4,470 (176.0)	7,356 (289.6)		3,945 (155.3)	1,880 (4,145)				955 (2,105)	2,835 (6,250)				
FG84D	FG84DC6LSUA	4M50T-1AT7	M036S5	LT235/85R16	2,860 (112.6)	5,088 (200.3)	2,065 (81.3)	2,460 (96.9)	2,320 (91.3)	1,880 (4,145)	770 (1,700)	2,650 (5,845)	2,600 (5,730)	4,300 (9,480)	6,375 (14,050)	
	FG84DE6LSUA				3,460 (136.2)	5,688 (223.9)				2,920 (115.0)	1,900 (4,190)	775 (1,710)				2,675 (5,900)

## 2. TYPICAL BODY LENGTH



1. MFTA suggests the X-marked body length of each model because of stability, commerciality and reliability.
2. Rear body dimensions shall not exceed 96" wide (outside) and 96" from top of frame to top of body without prior approval from MFTA Applications Group.

Vehicle Model		Dimensions, In.(mm)																	
		WB	CA	UCA	CB	CE	OAL	HG	12	13	14	15	16	17	18	19	20		
FE83D FE84D FE85D	D	114.6 (2,910)	93.9 (2,835)	87.5 (2,673)	6.4 (162)	158.5 (4,025)	228.2 (5,796)	25.6 (650)	X	X	X								
	E	134.3 (3,410)	113.6 (2,885)	107.2 (2,723)		178.1 (4,525)	247.9 (6,296)				X	X	X						
	G	152.4 (3,870)	131.7 (3,345)	125.3 (3,183)		196.3 (4,985)	266.0 (6,756)							X	X	X			
	H	164.2 (4,170)	143.5 (3,645)	137.1 (3,483)		208.1 (5,285)	277.8 (7,056)									X	X		
	J	176.0 (4,470)	155.3 (3,945)	148.9 (3,783)		219.9 (5,585)	289.6 (7,356)									X	X	X	
FE84D	HW	165.4 (4,200)	105.3 (2,675)	103.4 (2,626)	1.9 (49)	147.8 (3,753)	255.3 (6,485)	28.1 (715)			X1	X1	X1						
FG84D	C	112.6 (2,860)	91.9 (2,320)	84.9 (2,142)	7.0 (178)	133.8 (3,398)	200.3 (5,088)	28.0 (710)	X1	X1									
	E	136.2 (3,460)	115.6 (2,920)	108.6 (2,742)		157.4 (3,998)	223.9 (5,688)				X1	X1	X1						

X1 : NOT APPLICABLE TO REAR FUEL TANK

Variations to this chart require prior approval from MFTA Applications Group.

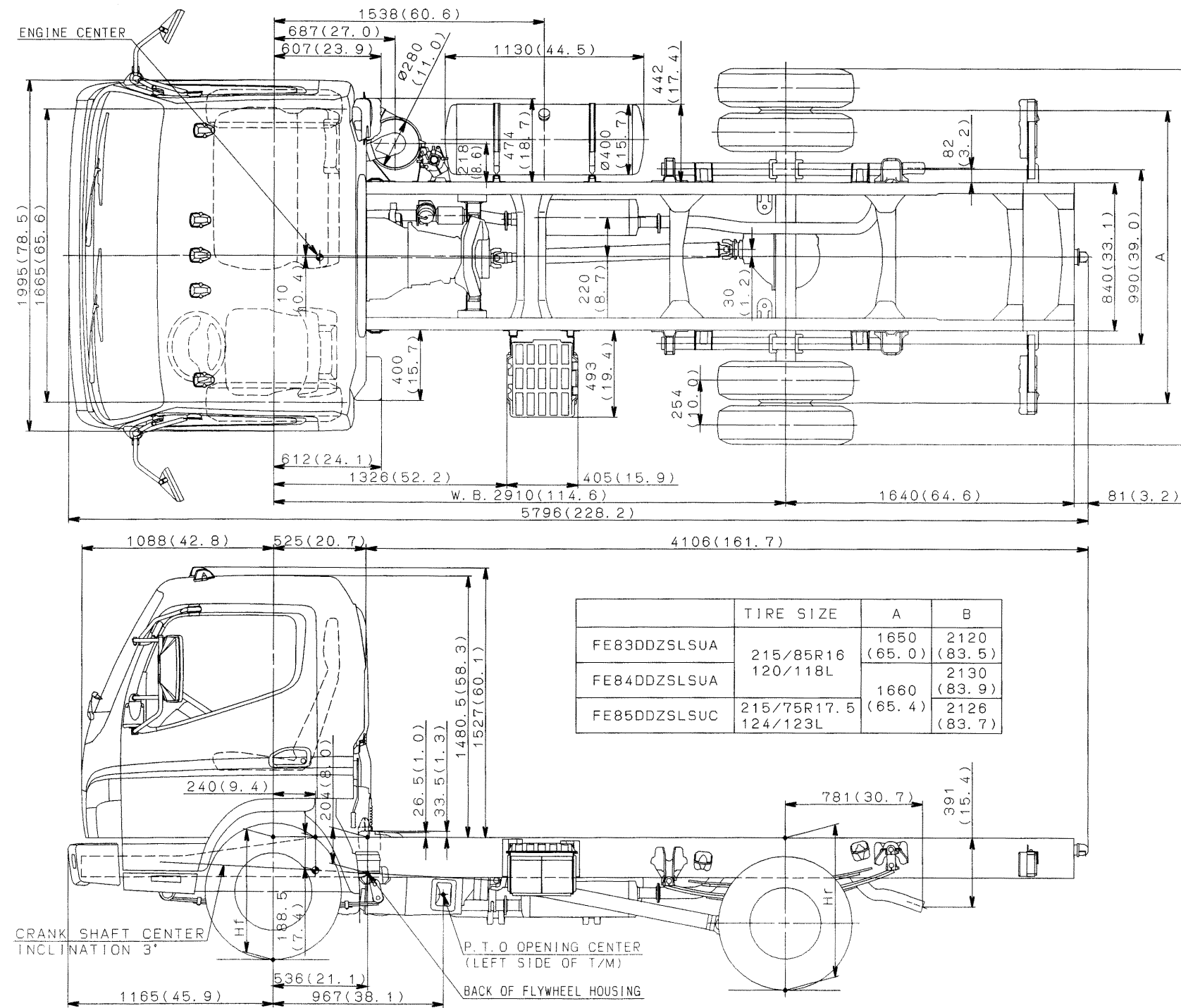
### NOTES:

- (1) Selection of the correct model and wheelbase is dependent on many factors. This chart can serve only as a quick reference guide. It does not preclude the necessity of performing a complete weight distribution analysis, particularly when equipment such as lift gates, reefers or others are required.
- (2) MFTA assumes no liability whatsoever for any damage(s) to person(s) or property caused by utilization of this chart. Selection of the correct model and wheelbase is solely the responsibility of the selling dealers and final stage manufacturer.
- (3) All weight distribution calculations herein are based on water level loading and a cab-to-body clearance on above table.
- (4) When selection of the correct model and wheelbase is made, carefully follow the requirements below;
  - (a) Individual GAWR's and GVWR's must not be exceeded.
  - (b) It is advisable that front axle loading ratio be 33% of total vehicle weight or more for vehicle stability.
  - (c) The length of the rear overhang must comply with state and local regulations, if any.
- (5) The center of gravity of the completed vehicle with a full load should not exceed 60" above ground level and must be located horizontally between the centerlines of the front and rear axles.

### 3. CHASSIS CAB DRAWING

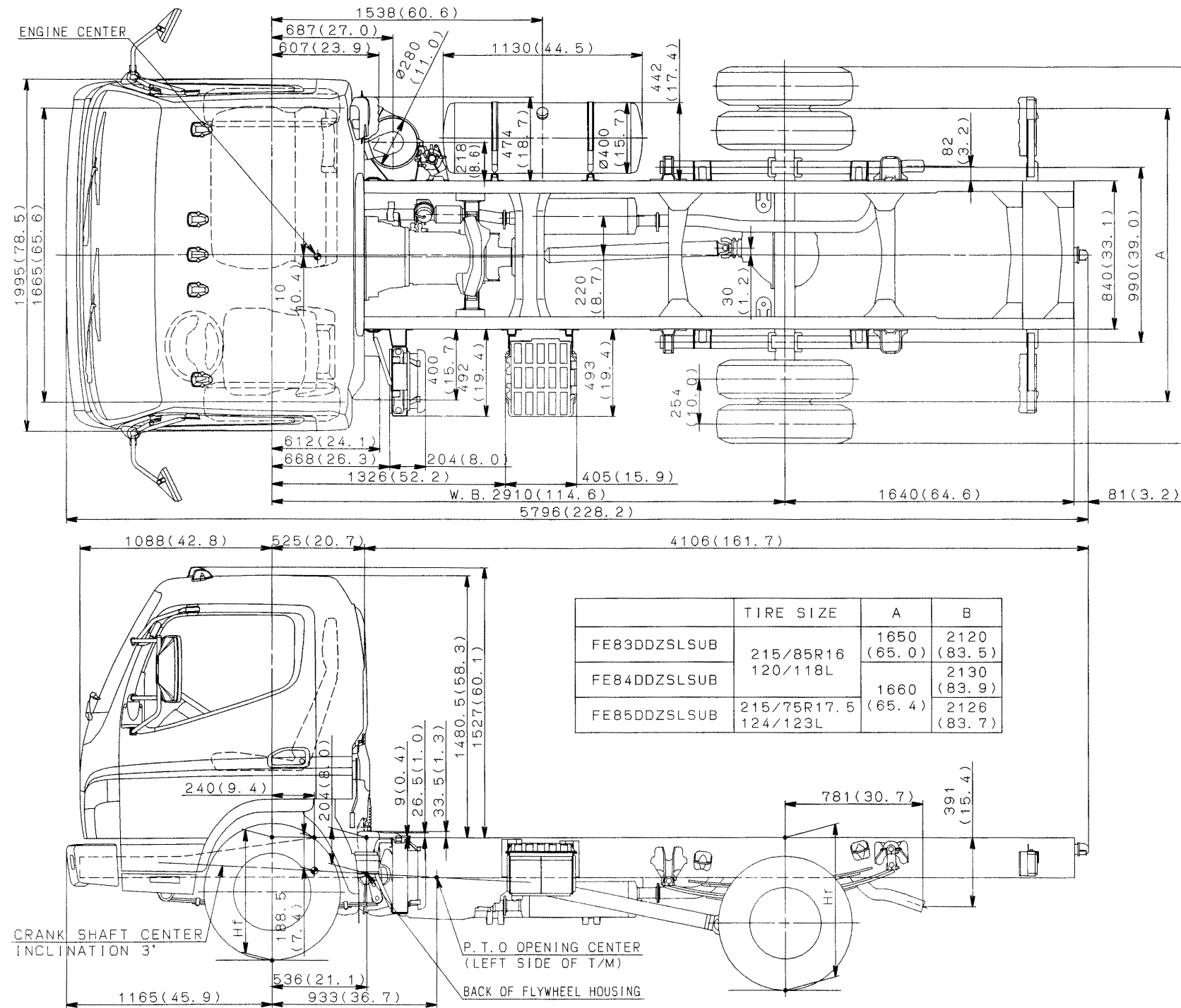
#### 3.1 Chassis cab drawing

#### 3.1.1 FE83DDZSLSUA, FE84DDZSLSUA, FE85DDZSLSUC



CHASSIS CAB  
DRAWINGS  
FE83DDZSLSUA  
FE84DDZSLSUA  
FE85DDZSLSUC  
UNIT : mm (in.)  
SCALE : 1/30

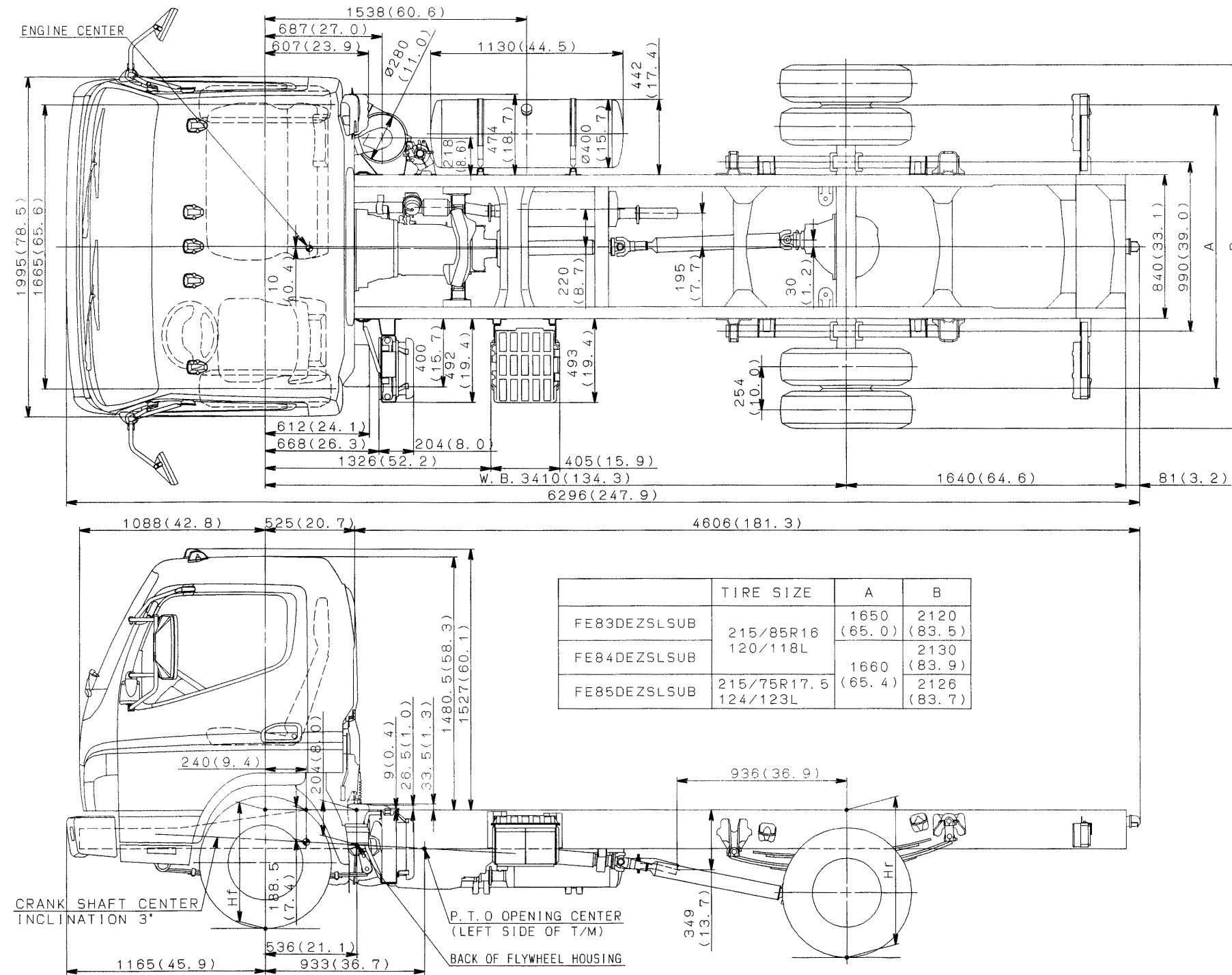
### 3.1.2 FE83DDZSLSUB, FE84DDZSLSUB, FE85DDZSLSUB



CHASSIS CAB  
DRAWINGS  
FE83DDZSLSUB  
FE84DDZSLSUB  
FE85DDZSLSUB  
UNIT : mm (in.)  
SCALE : 1/30

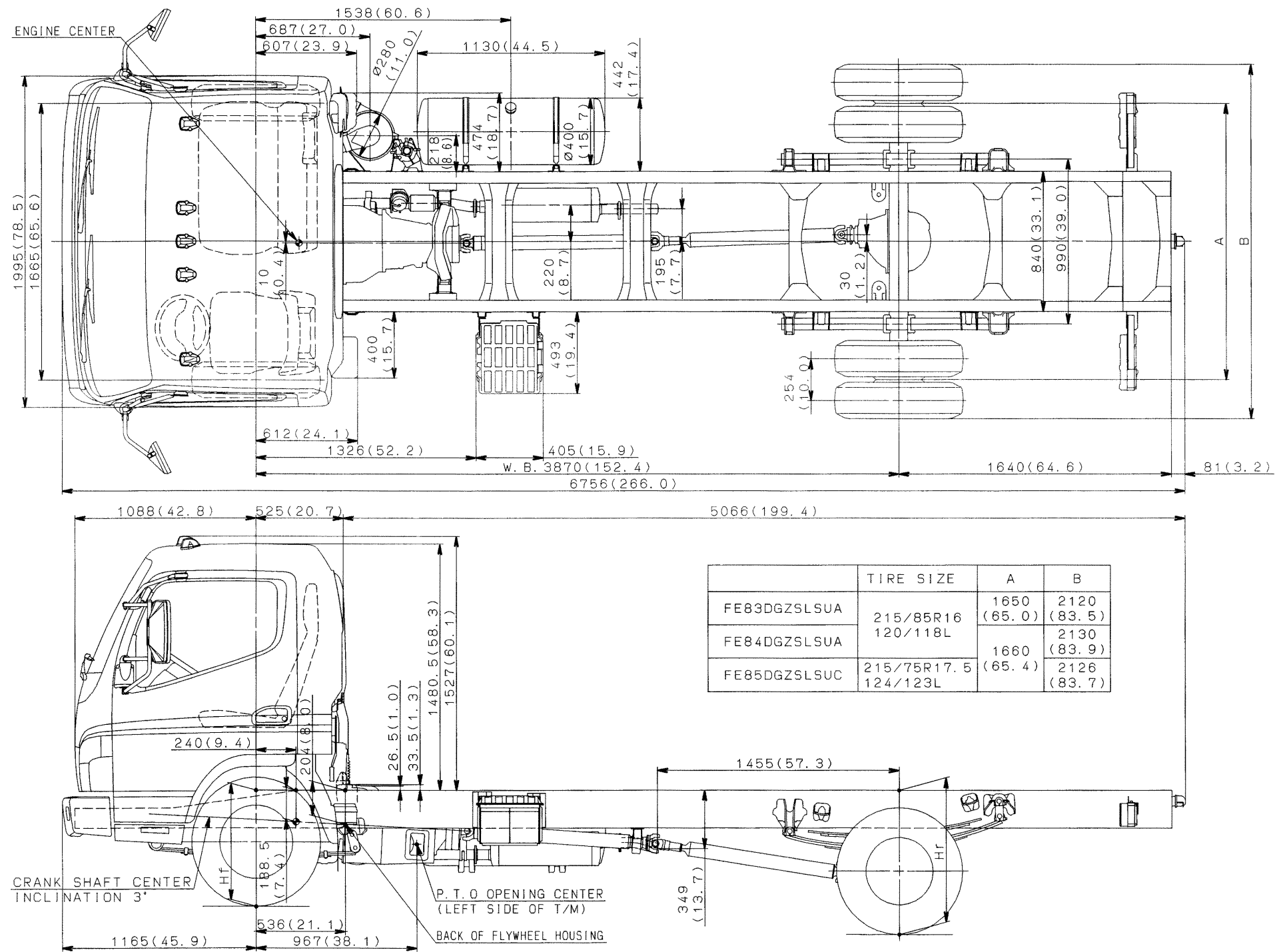


### 3.1.4 FE83DEZSLSUB, FE84DEZSLSUB, FE85DEZSLSUB



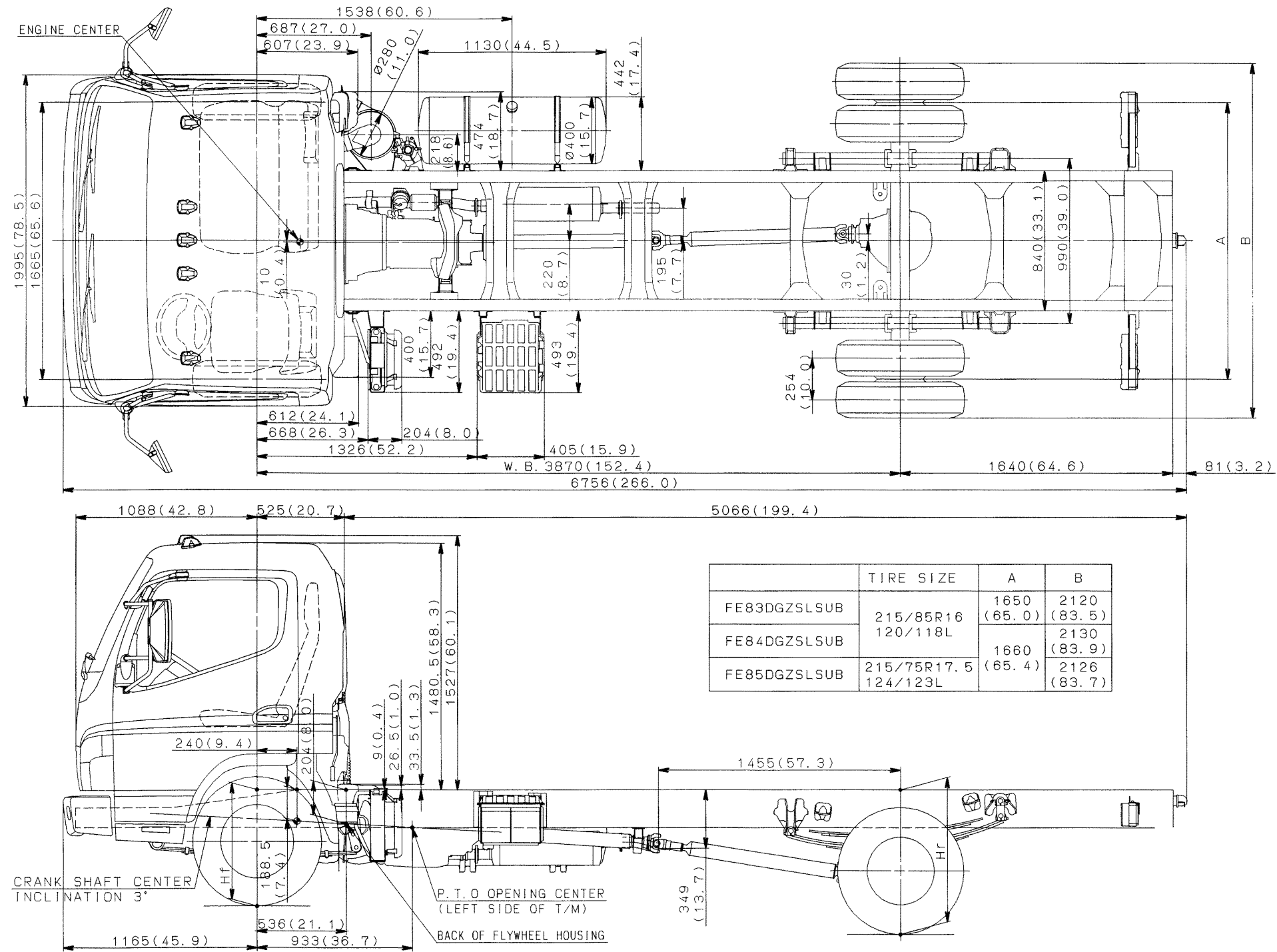
CHASSIS CAB  
DRAWINGS  
FE83DEZSLSUB  
FE84DEZSLSUB  
FE85DEZSLSUB  
UNIT : mm (in.)  
SCALE : 1/30

### 3.1.5 FE83DGZSLSUA, FE84DGZSLSUA, FE85DGZSLSUC



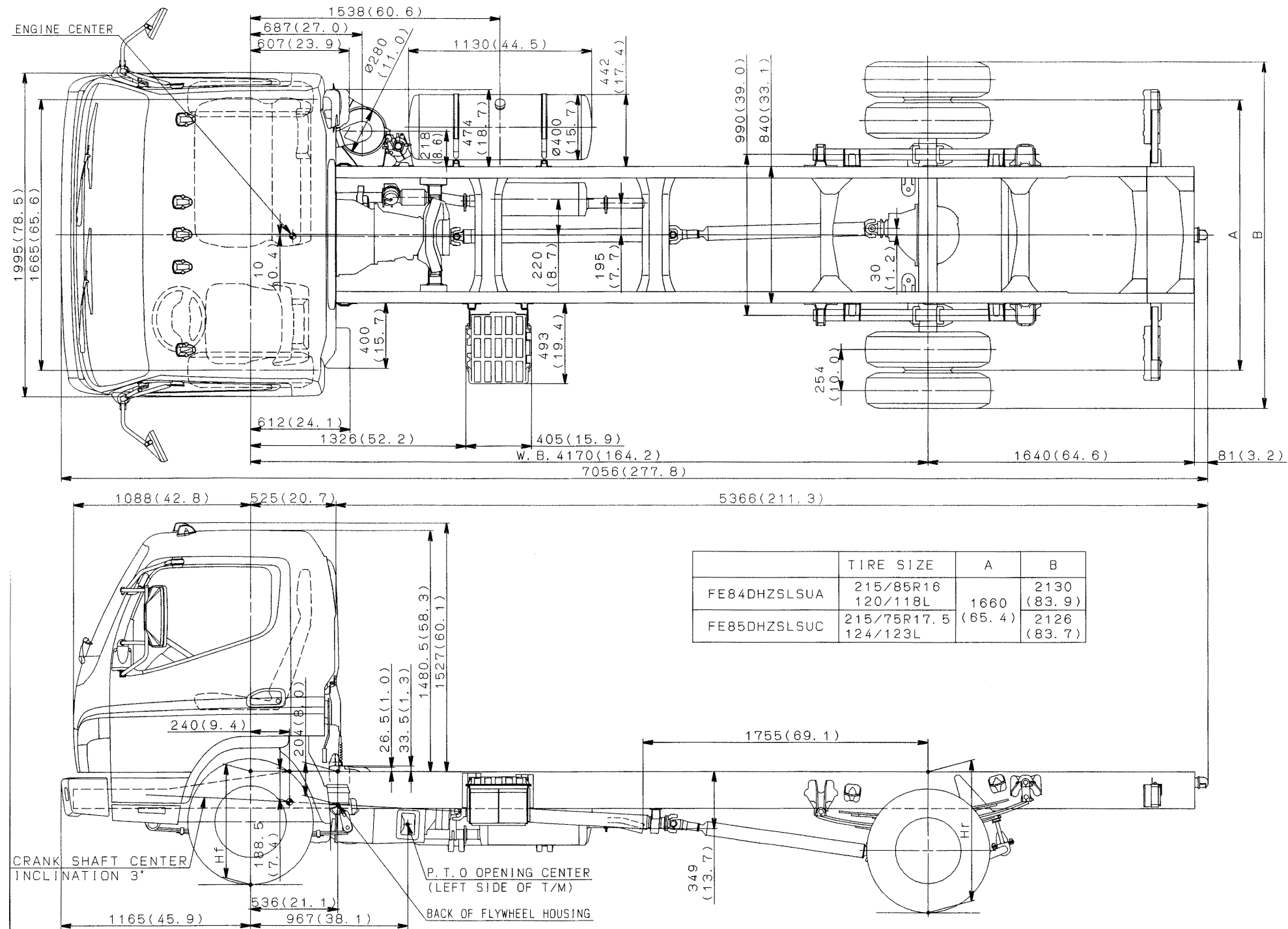
CHASSIS CAB  
DRAWINGS  
FE83DGZSLSUA  
FE84DGZSLSUA  
FE85DGZSLSUC  
UNIT : mm (in.)  
SCALE : 1/30

### 3.1.6 FE83DGZSLSUB, FE84DGZSLSUB, FE85DGZSLSUB



CHASSIS CAB  
DRAWINGS  
FE83DGZSLSUB  
FE84DGZSLSUB  
FE85DGZSLSUB  
UNIT : mm (in.)  
SCALE : 1/30

### 3.1.7 FE84DHZSLSUA, FE85DHZSLSUC

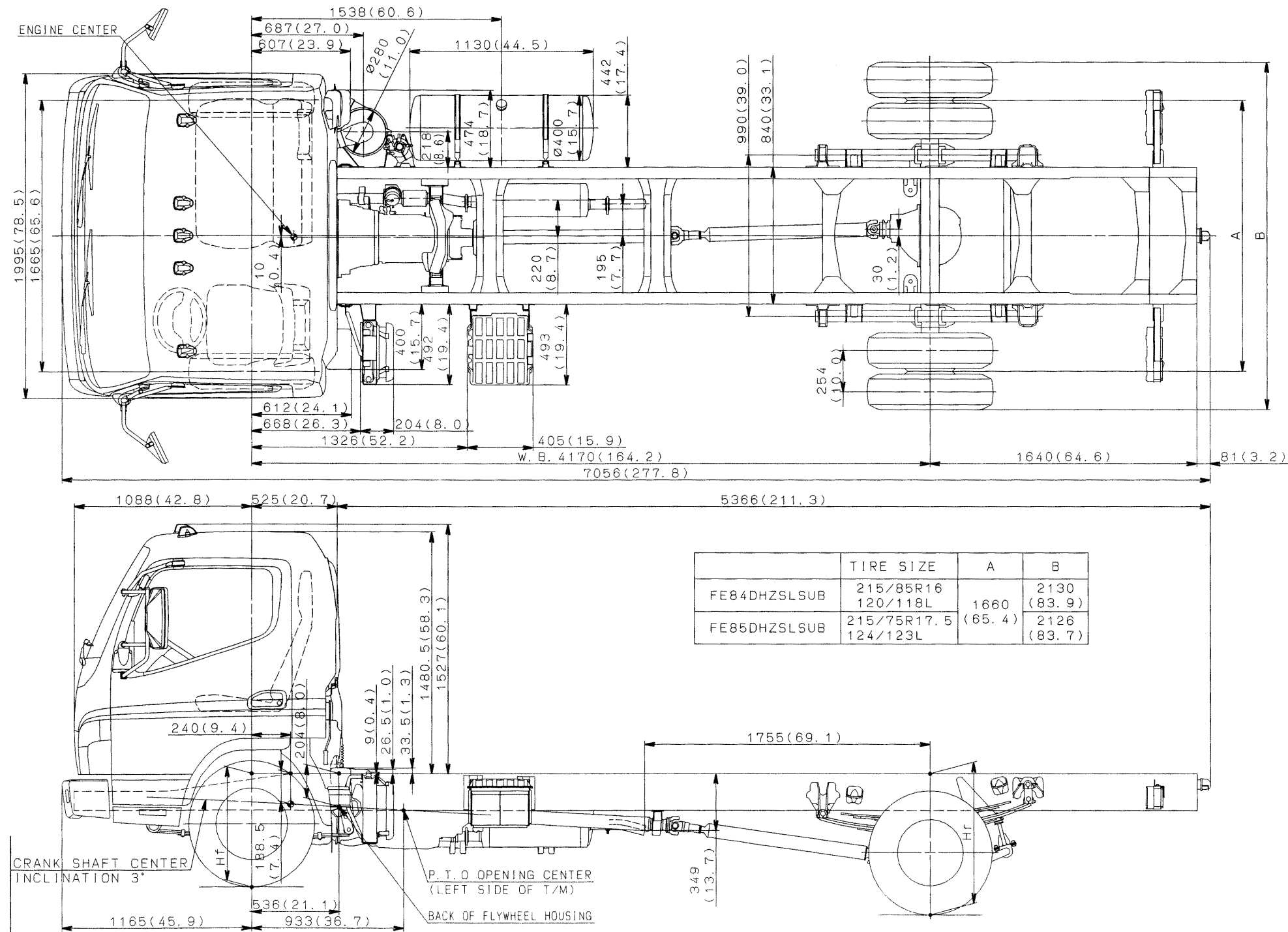


CHASSIS CAB  
DRAWINGS

FE84DHZSLSUA  
FE85DHZSLSUC

UNIT : mm (in.)  
SCALE : 1/30

### 3.1.8 FE84DHZLSUB, FE85DHZLSUB

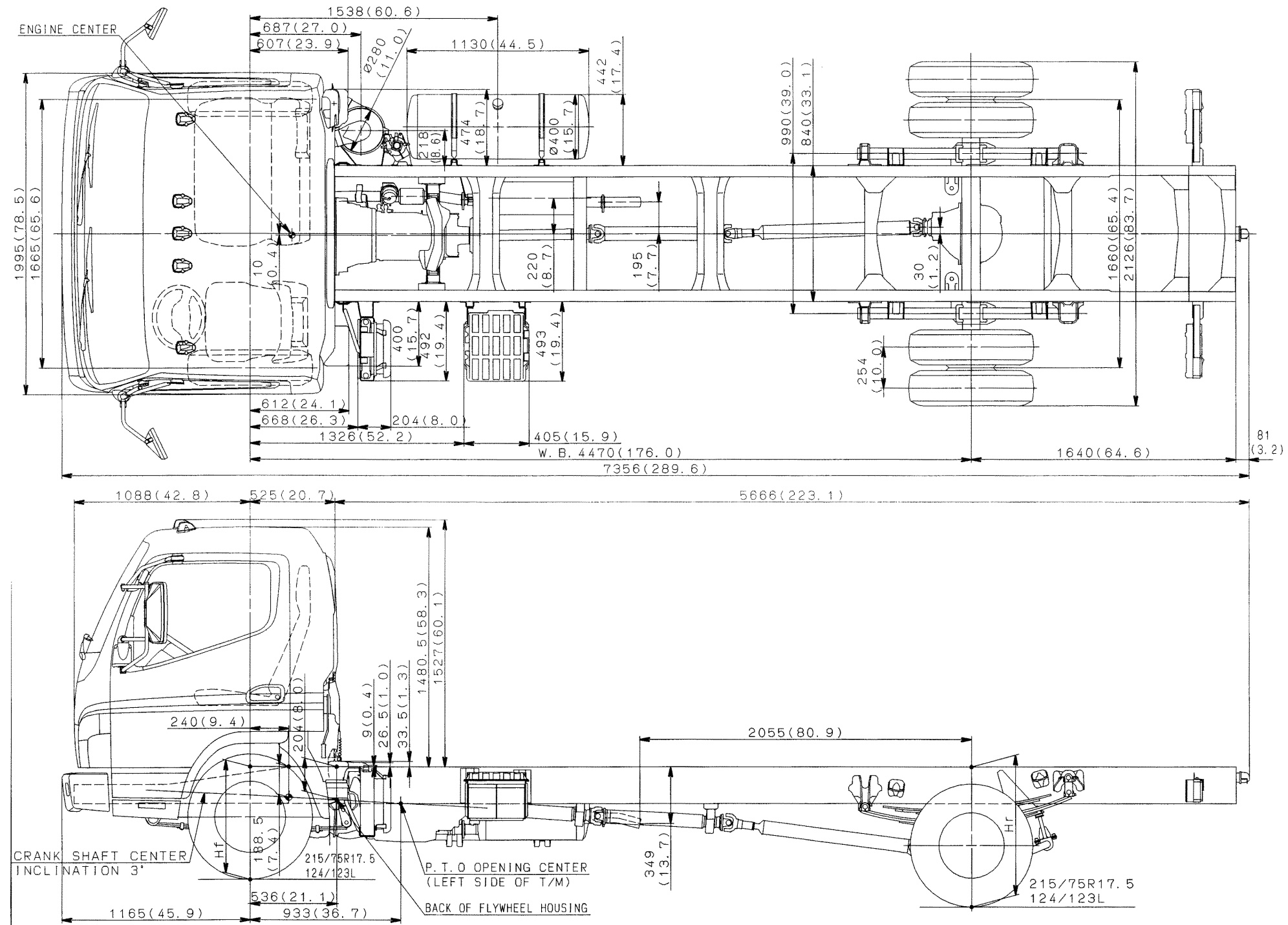


CHASSIS CAB  
DRAWINGS

FE84DHZLSUB  
FE85DHZLSUB

UNIT : mm (in.)  
SCALE : 1/30

### 3.1.9 FE85DJZLSUB

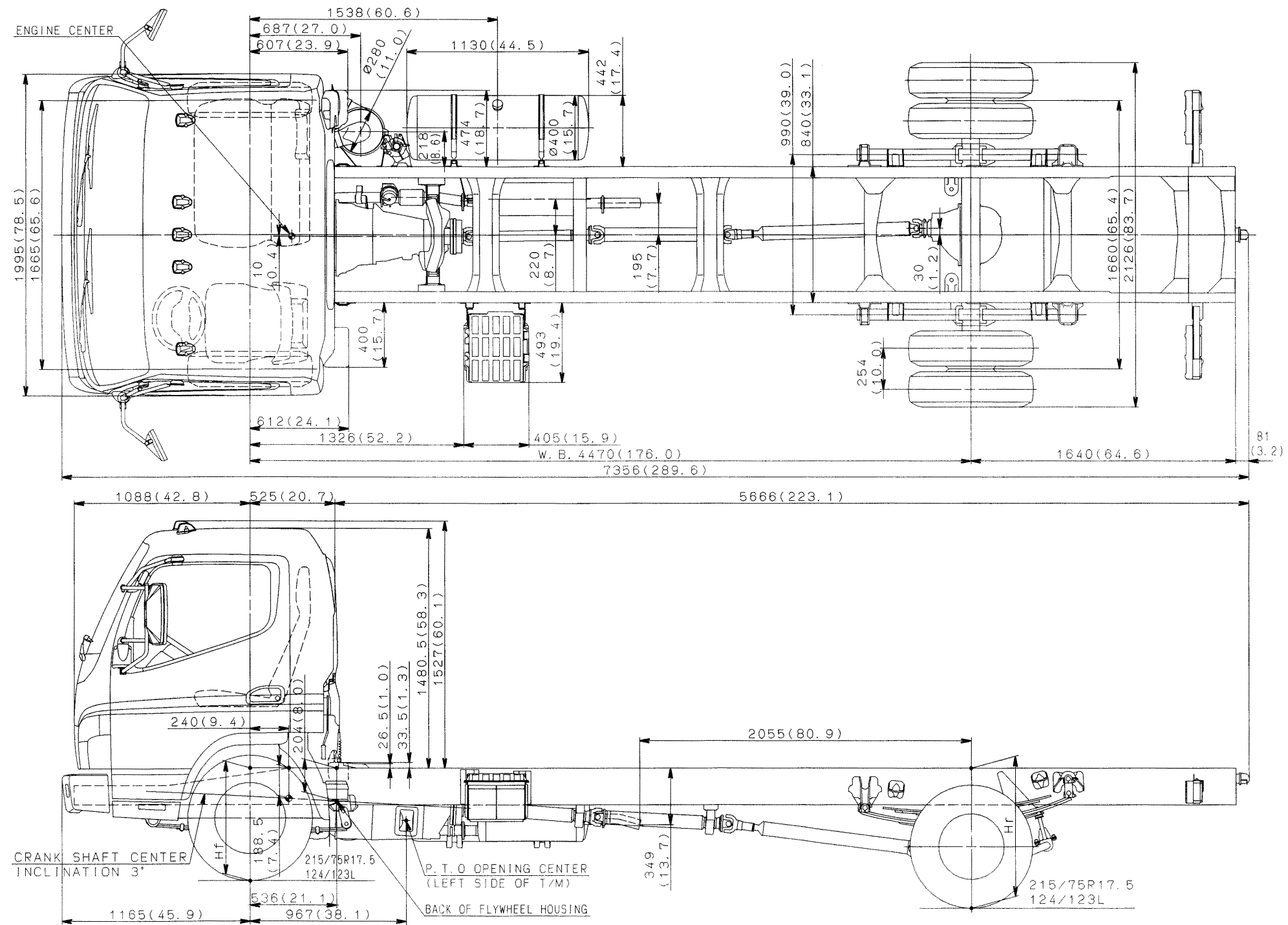


CHASSIS CAB  
DRAWINGS

FE85DJZLSUB

UNIT : mm (in.)  
SCALE : 1/30

### 3.1.10 FE85DJZSLSUC



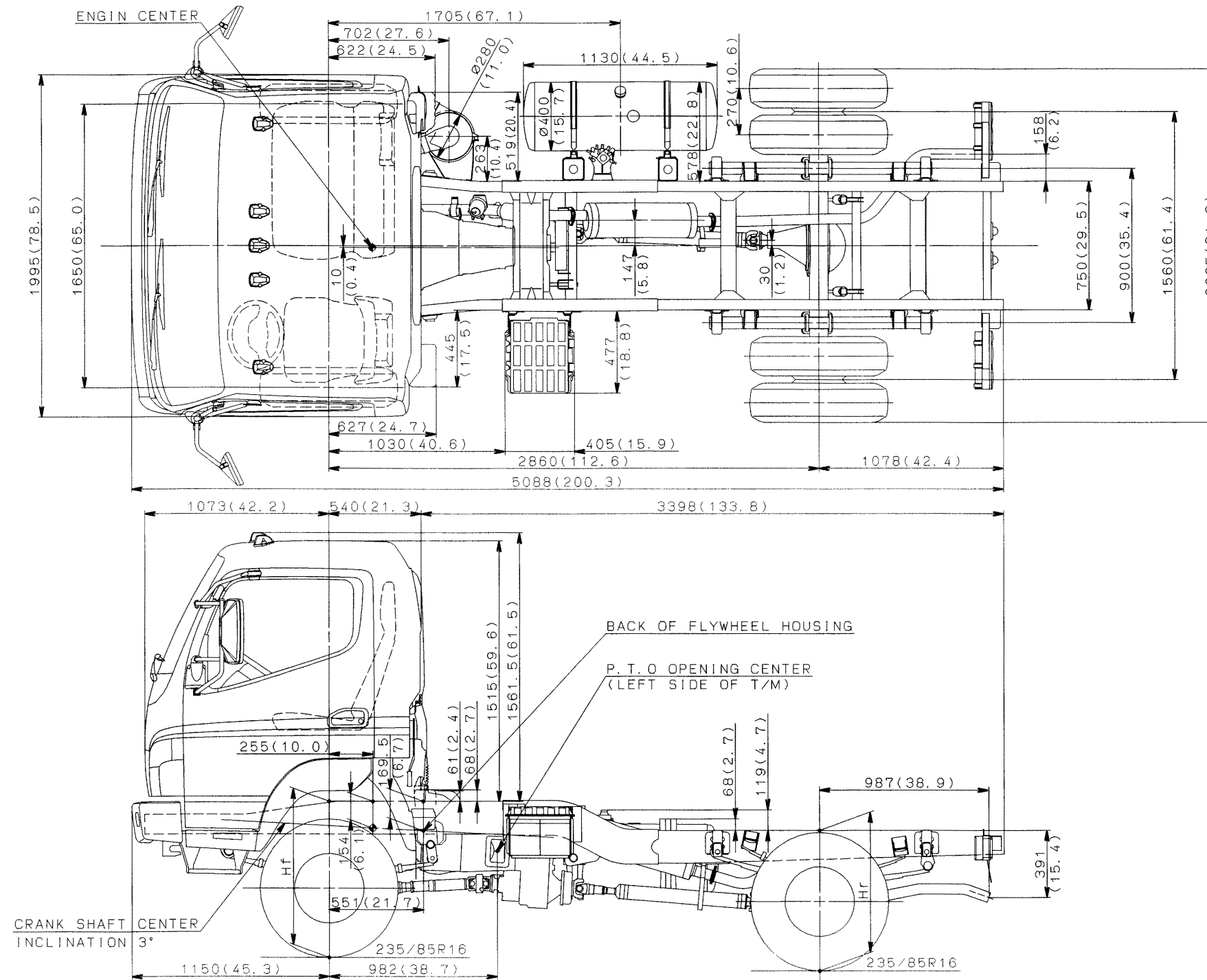
CHASSIS CAB  
DRAWINGS

FE85DJZSLSUC

UNIT : mm (in.)  
SCALE : 1/30



### 3.1.12 FG84DC6SLSUA

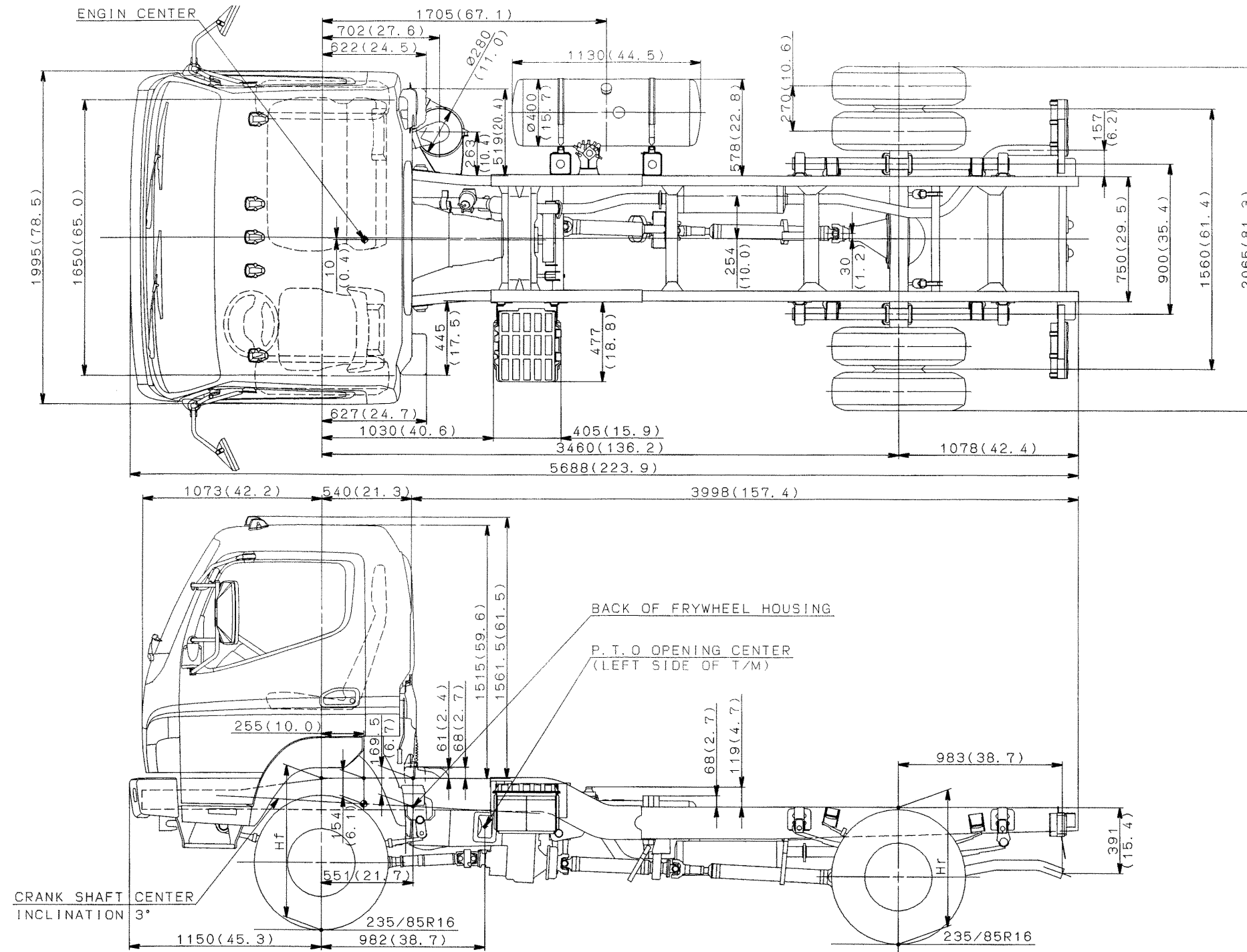


CHASSIS CAB  
DRAWINGS

FG84DC6SLSUA

UNIT : mm (in.)  
SCALE : 1/30

### 3.1.13 FG84DE6SLSUA



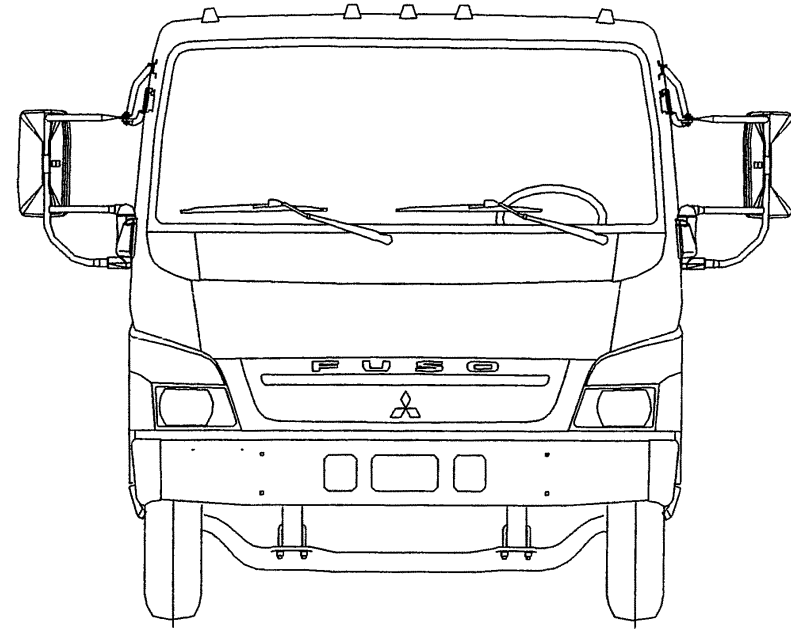
CHASSIS CAB  
DRAWINGS

FG84DE6SLSUA

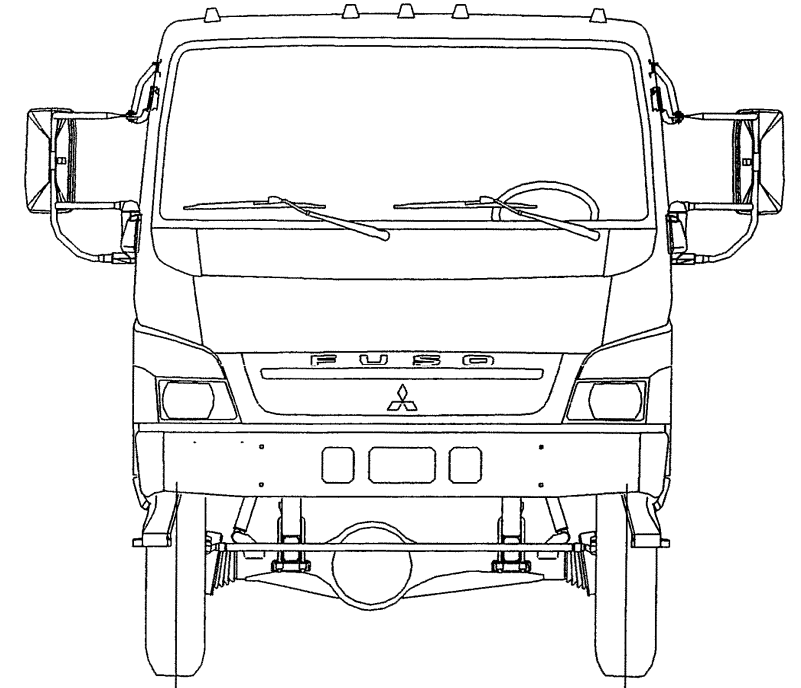
UNIT : mm (in.)  
SCALE : 1/30

### 3.2 Cab front and rear view

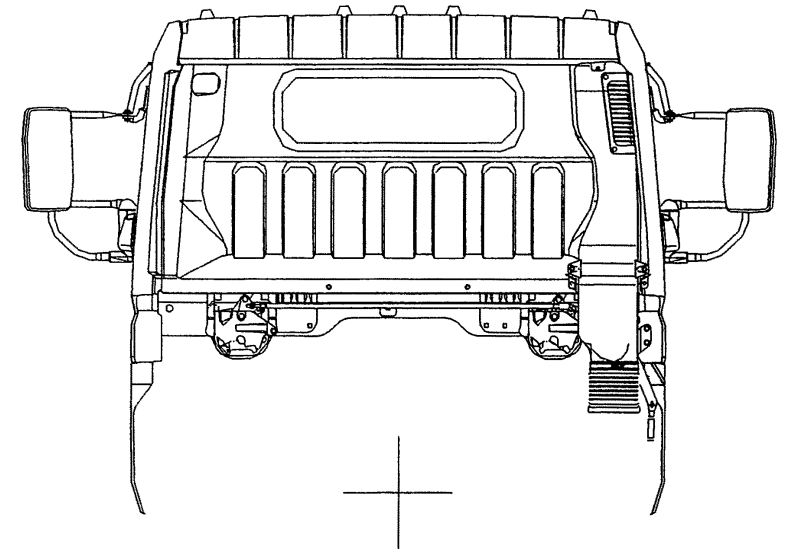
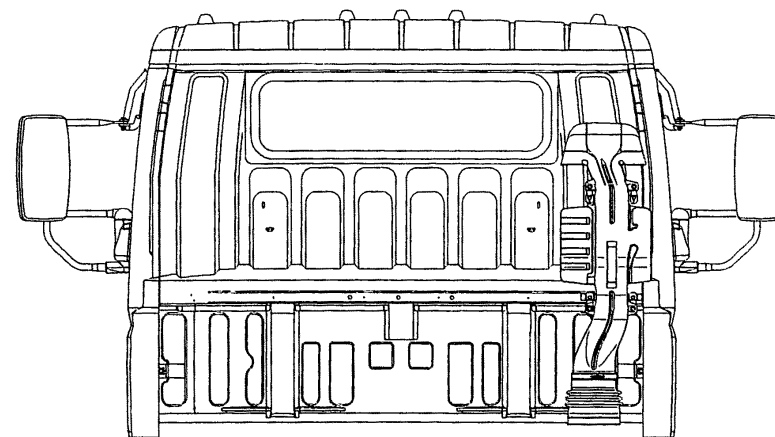
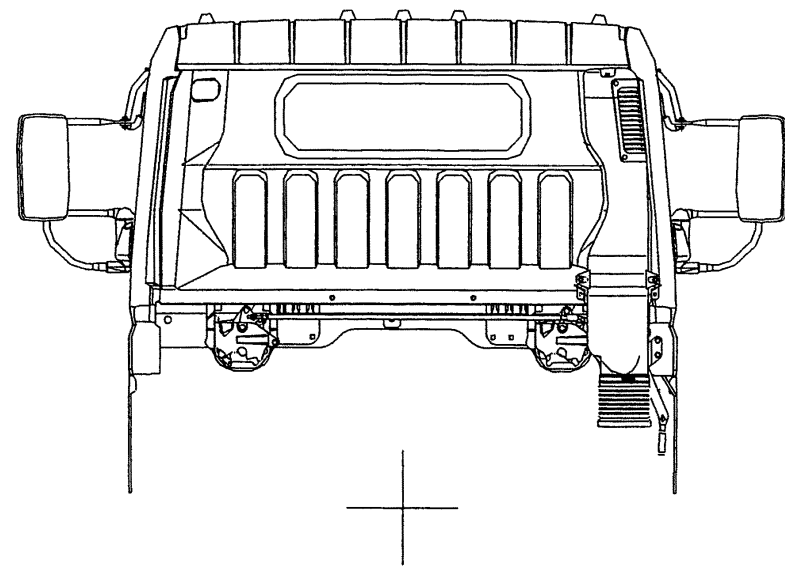
CAB FRONT AND REAR VIEWS (FE)



CAB FRONT AND REAR VIEWS (FG)



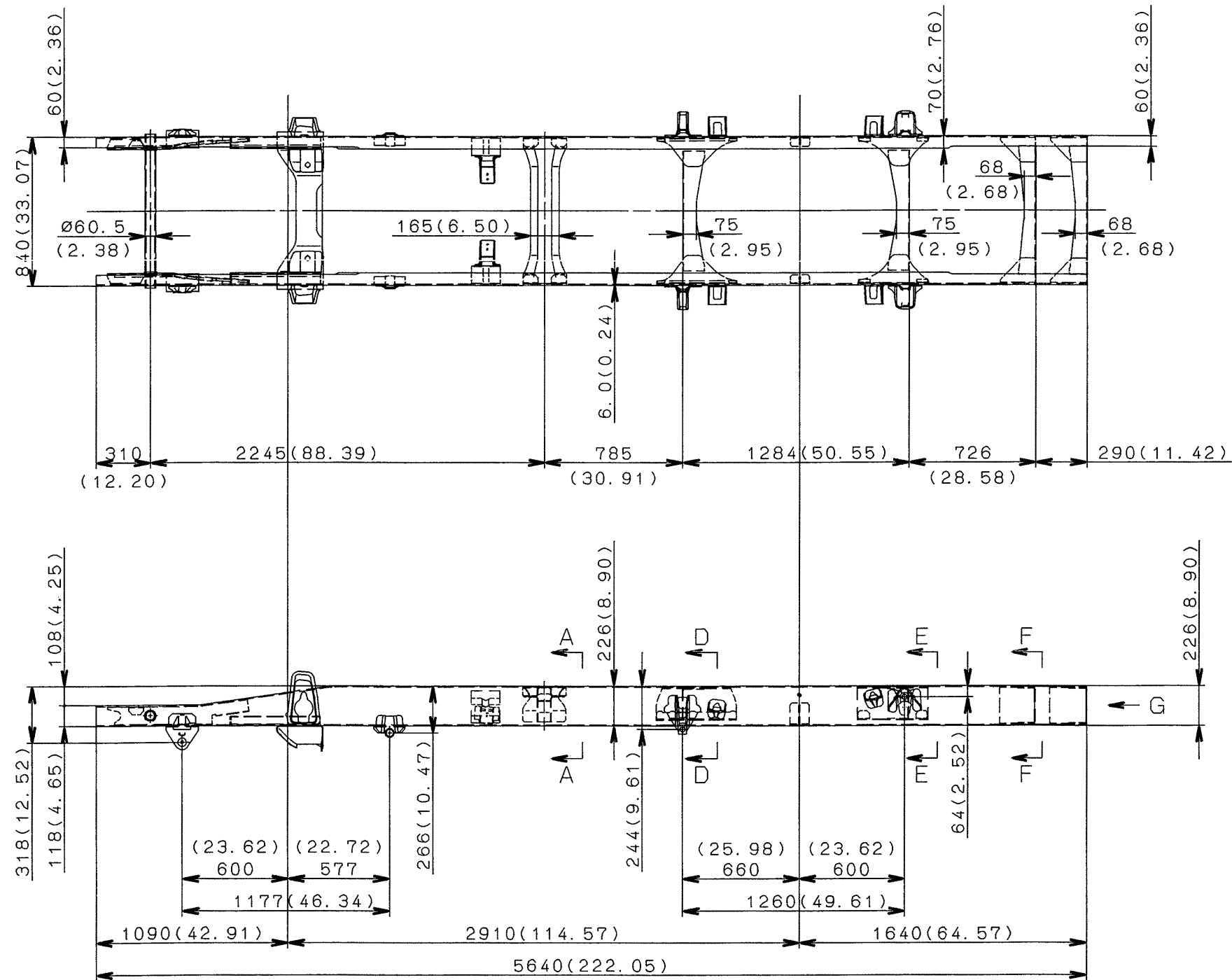
CAB REAR VIEWS (FE8W)



# 4. CHASSIS FRAME ASSEMBLY

## 4.1 FE8□DDZ

FE83DDZSLSUA
FE83DDZSLSUB
FE84DDZSLSUA
FE84DDZSLSUB
FE85DDZSLSUC
FE85DDZSLSUB



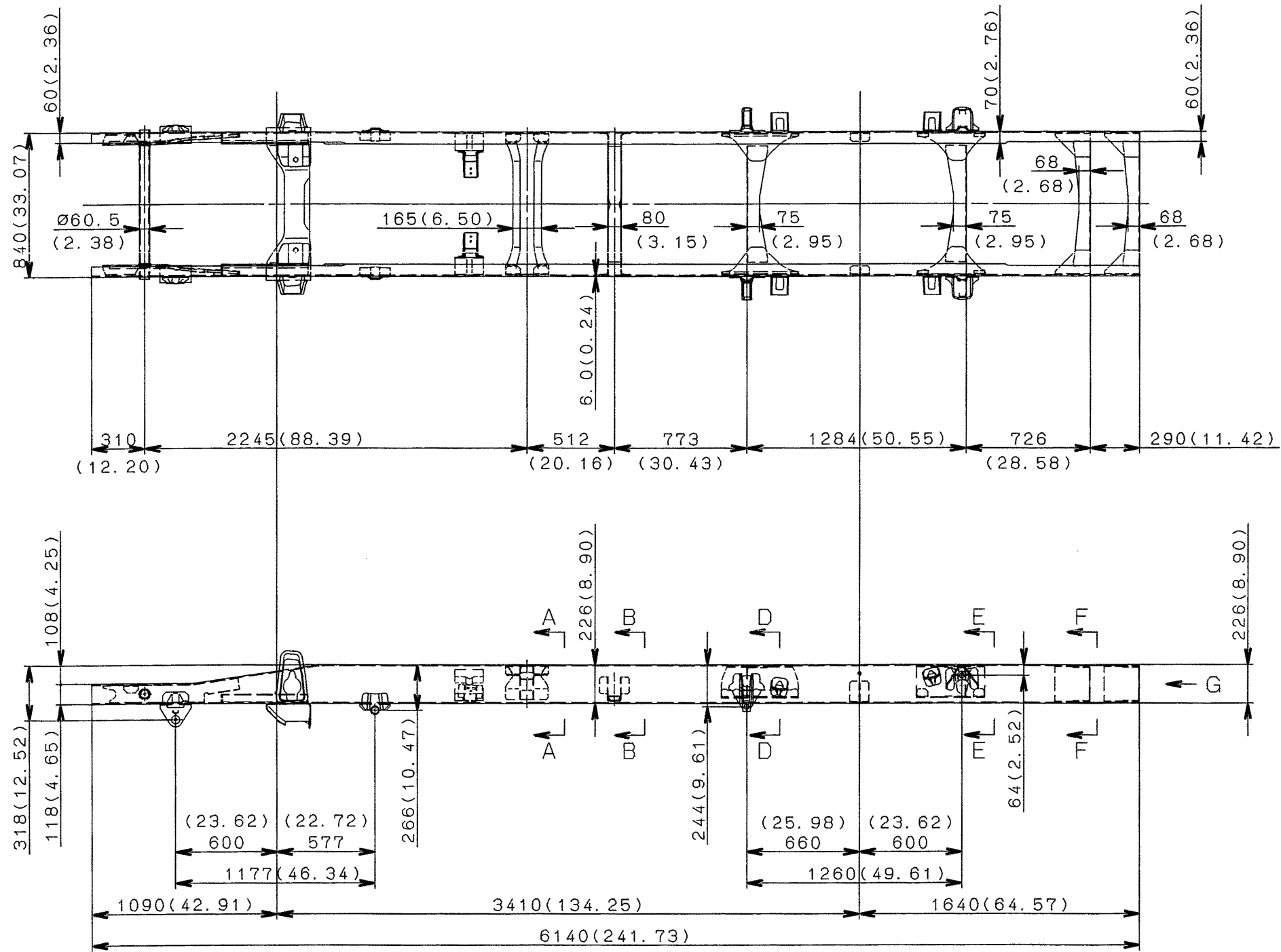
UNIT : mm (in.)

FE85DDZ (1:30)

Frame Layout

# 4.2 FE8□DEZ

FE83DEZSLSUA  
 FE83DEZSLSUB  
 FE84DEZSLSUA  
 FE84DEZSLSUB  
 FE85DEZSLSUC  
 FE85DEZSLSUB



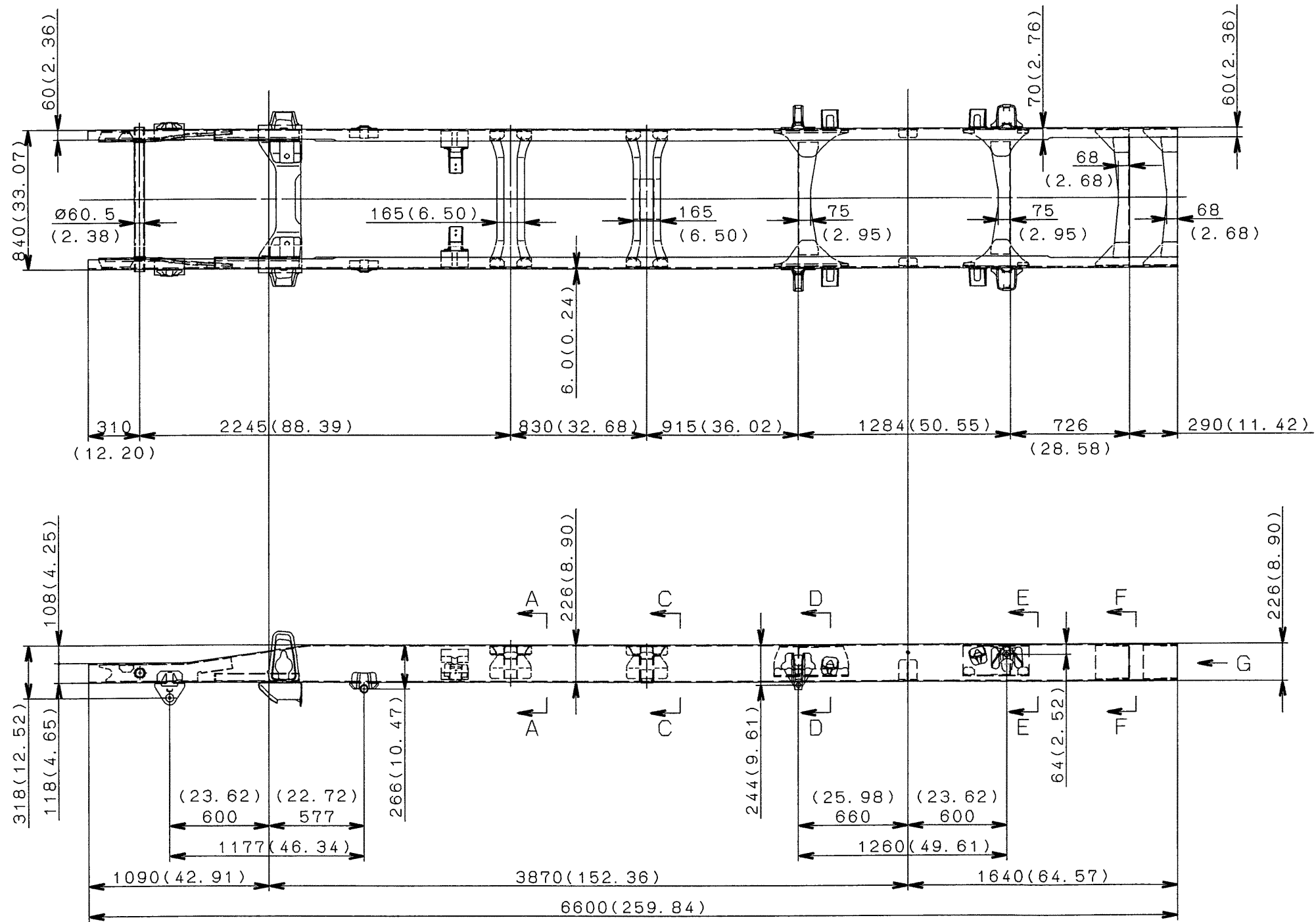
UNIT : mm (in.)

FE85DEZ (1:30)

Frame Layout

# 4.3 FE8□DGZ

- FE83DGZSLSUA
- FE83DGZSLSUB
- FE84DGZSLSUA
- FE84DGZSLSUB
- FE85DGZSLSUC
- FE85DGZSLSUB



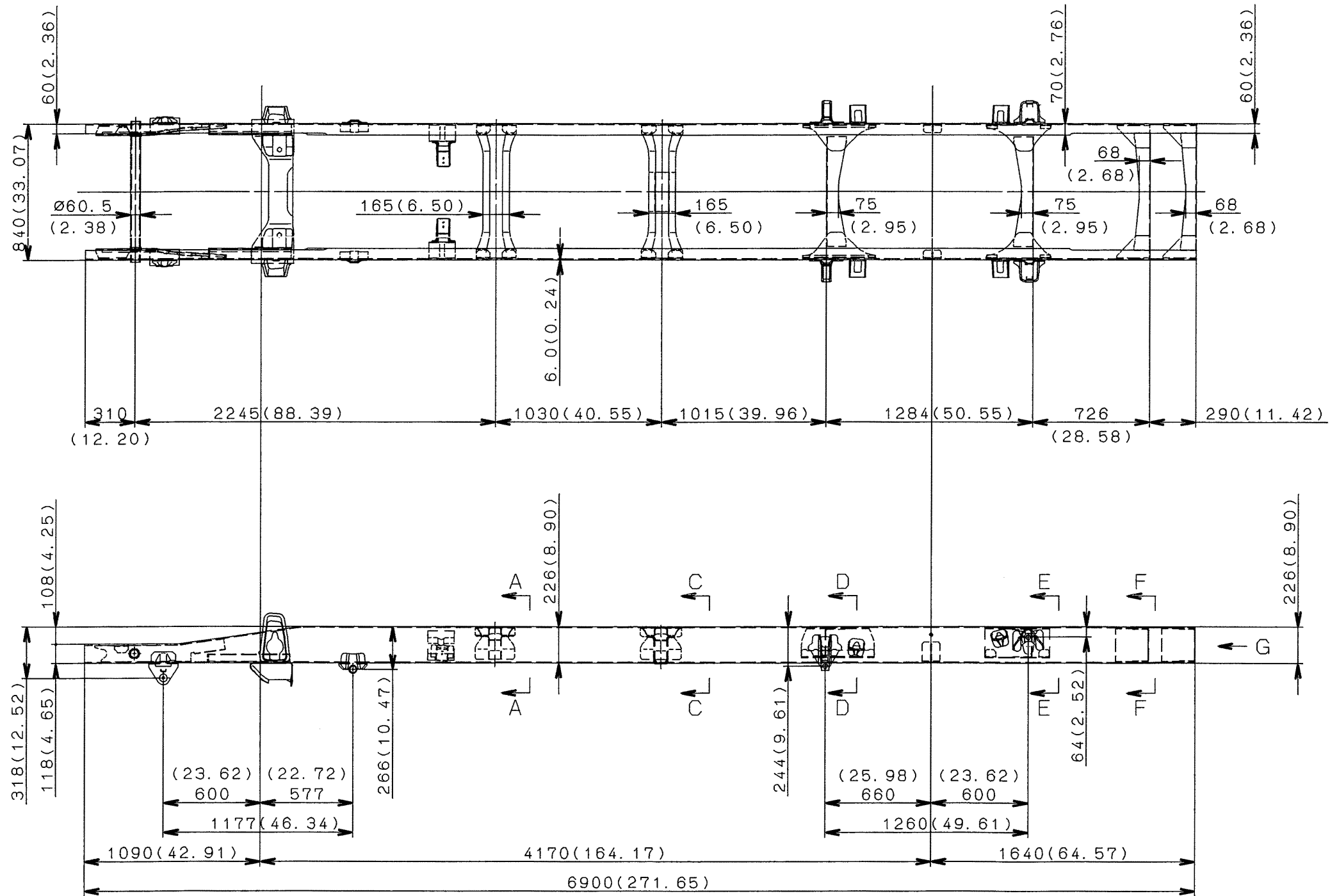
UNIT : mm (in.)

FE85DGZ (1:30)

Frame Layout

# 4.4 FE8□DHZ

FE84DHZSLSUA  
 FE84DHZSLSUB  
 FE85DHZSLSUC  
 FE85DHZSLSUB



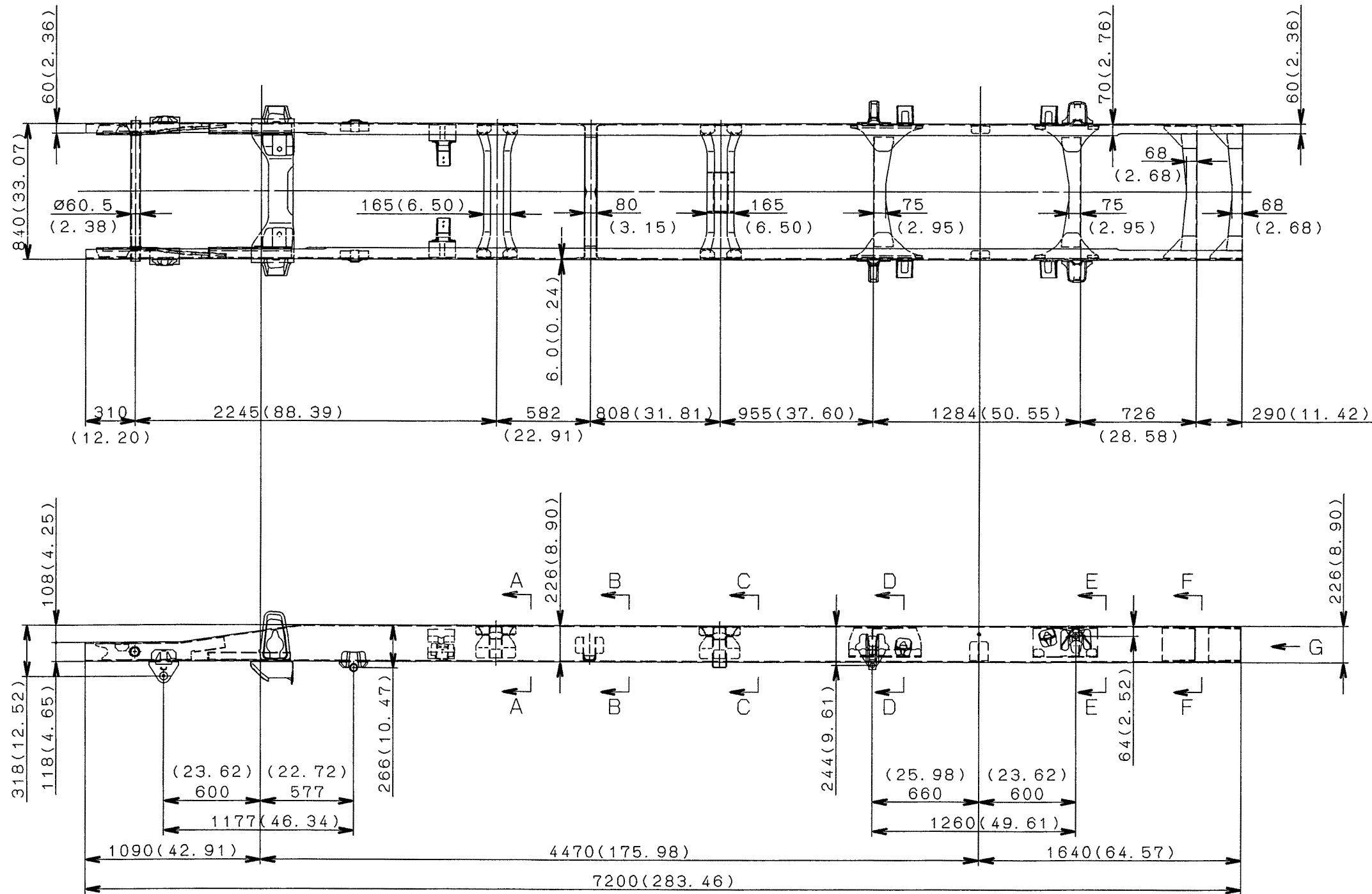
UNIT : mm (in.)

FE85DHZ (1:30)

Frame Layout

# 4.5 FE85DJZ

FE85DJZSLSUC  
FE85DJZSLSUB

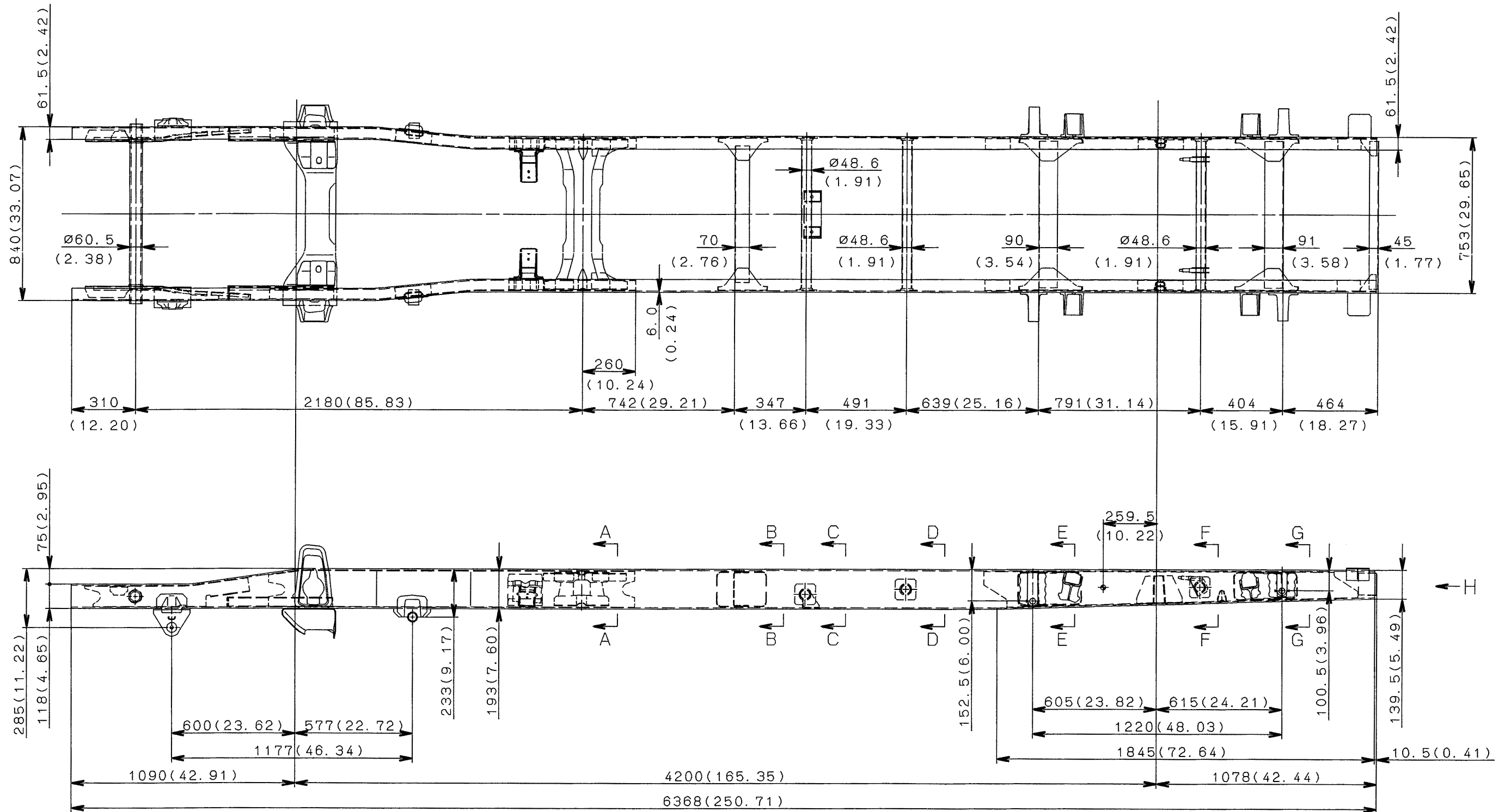


UNIT : mm (in.)

FE85DJZ (1:30)

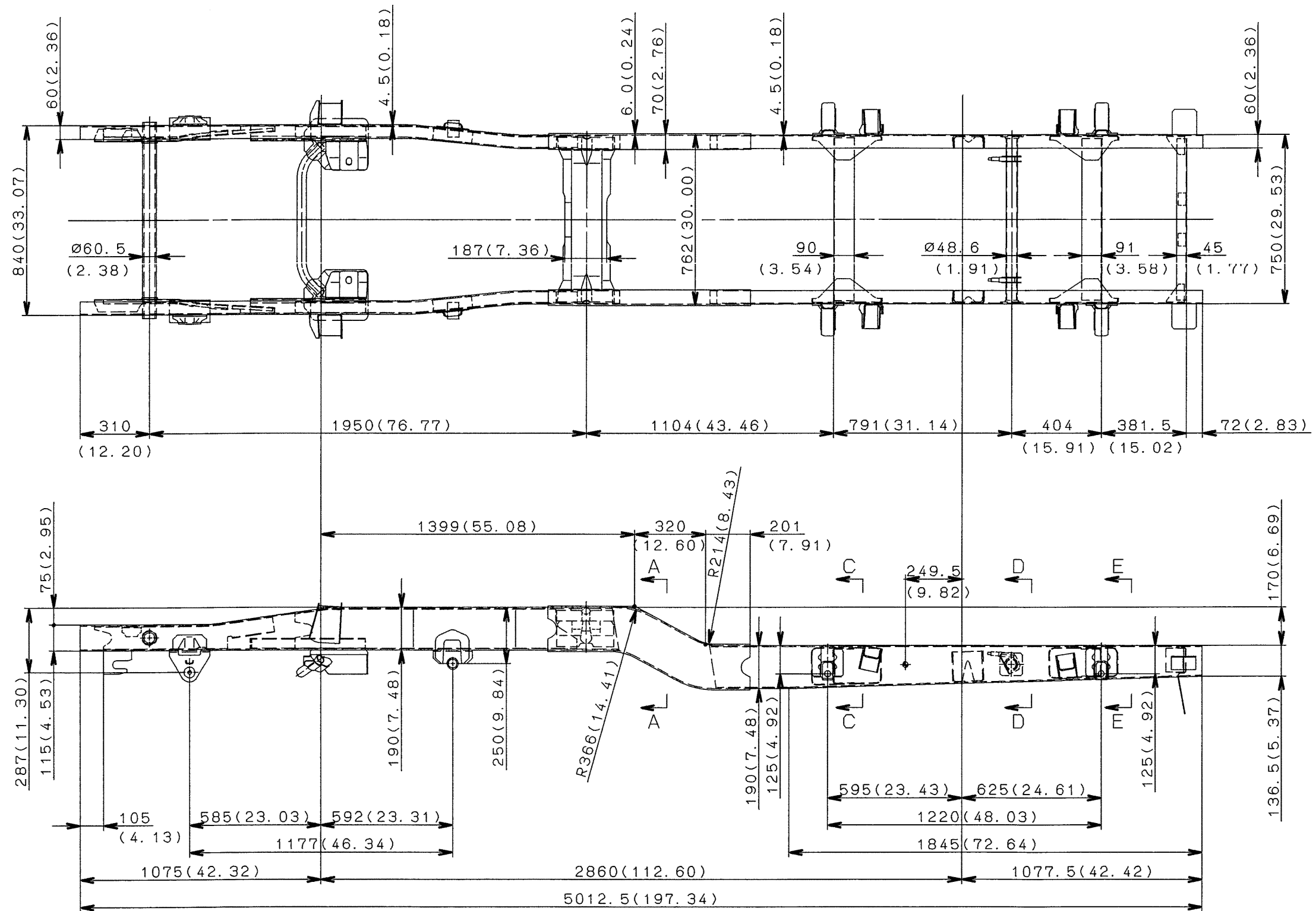
Frame Layout

# 4.6 FE84DHW



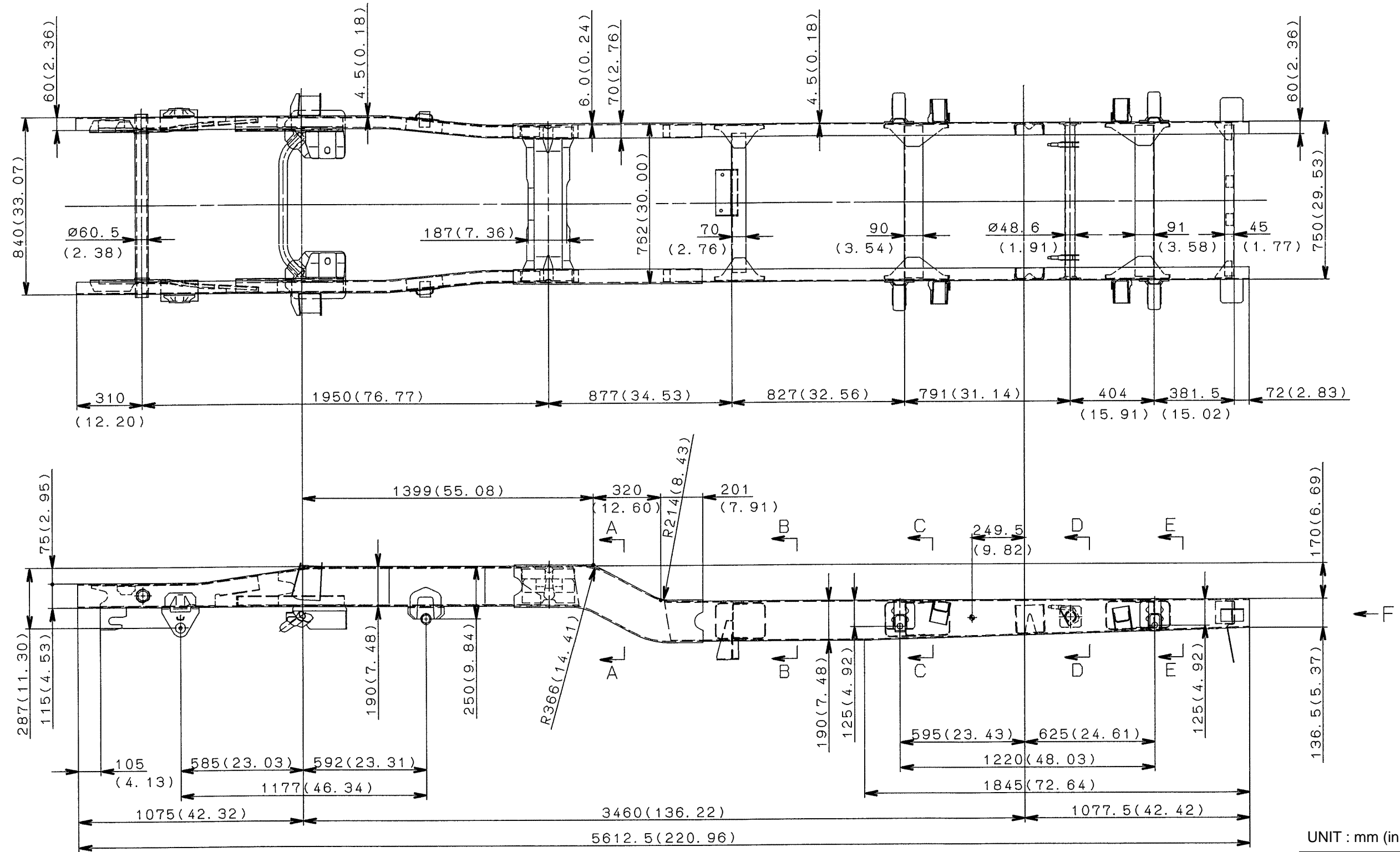
UNIT : mm (in.)  
**FE84DHW (1:30)**  
**Frame Layout**

# 4.7 FG84DC6



UNIT : mm (in.)  
 FG84DC6 (1:30)  
 Frame Layout

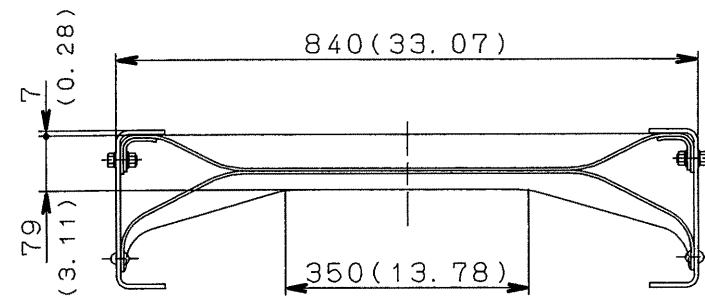
# 4.8 FG84DE6



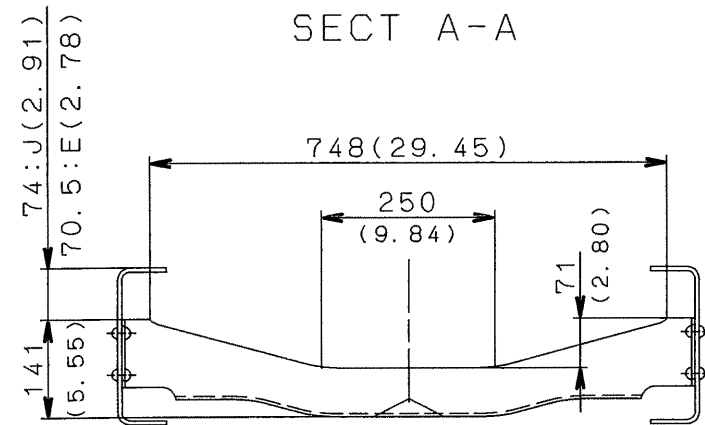
UNIT : mm (in.)  
 FG84DE6 (1:30)  
 Frame Layout

# 5. CROSSMEMBER REAR VIEW

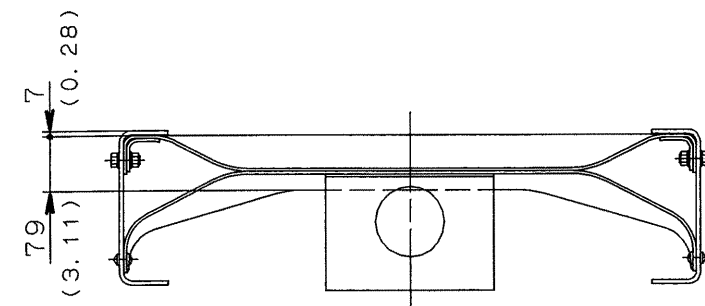
## 5.1 FE Series (except FE84DHW)



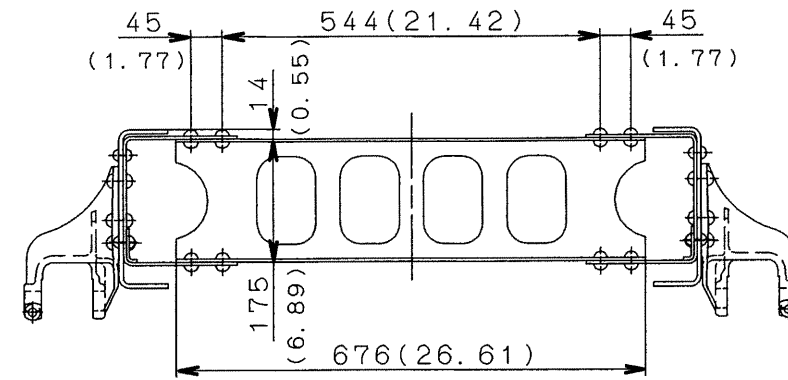
SECT A-A



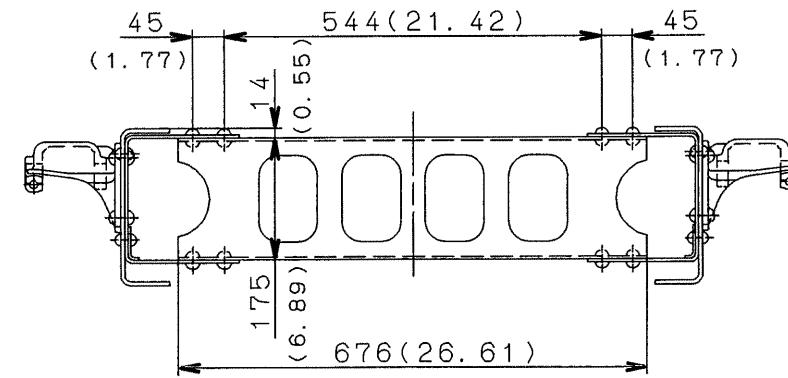
SECT B-B



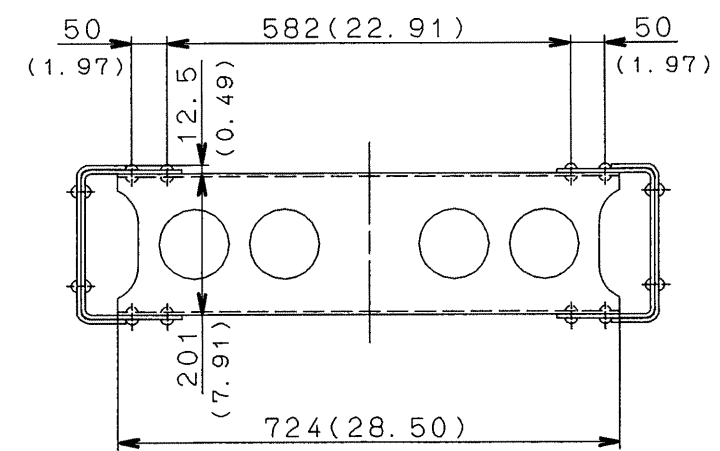
SECT C-C



SECT D-D



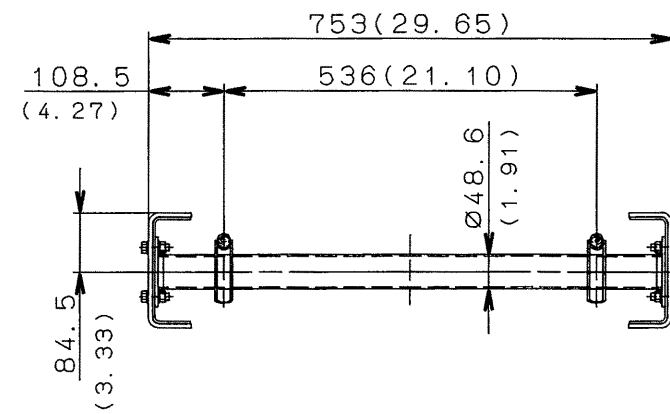
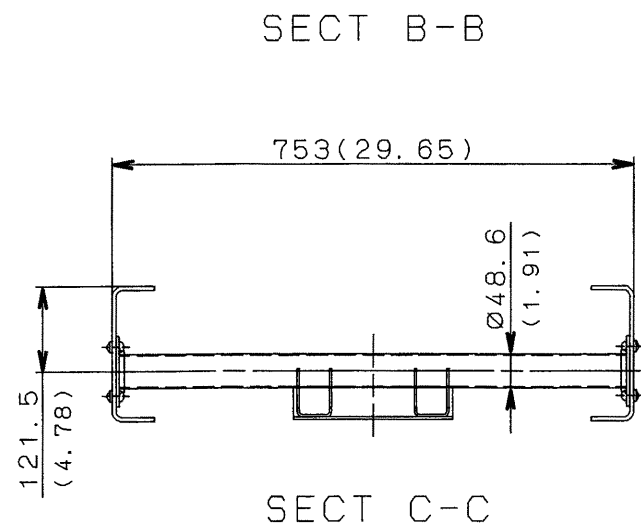
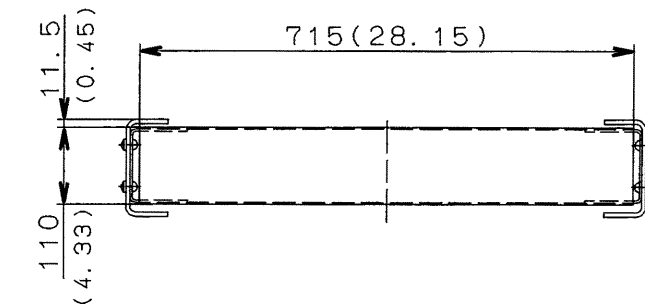
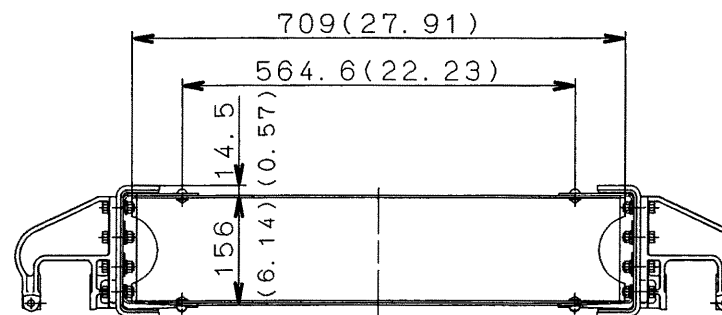
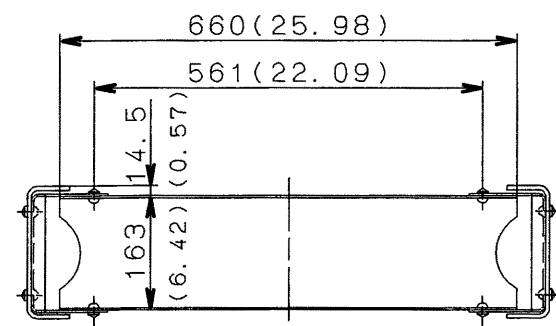
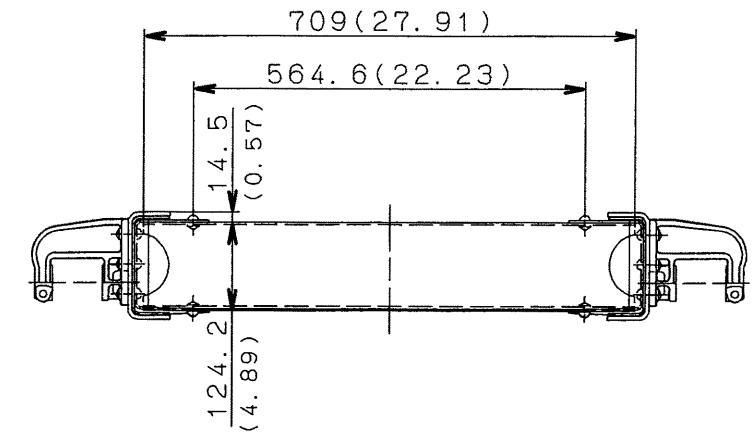
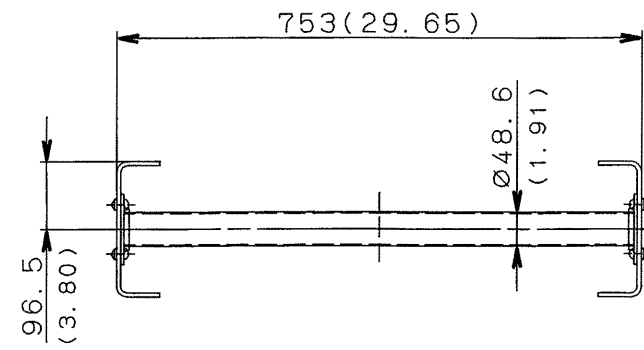
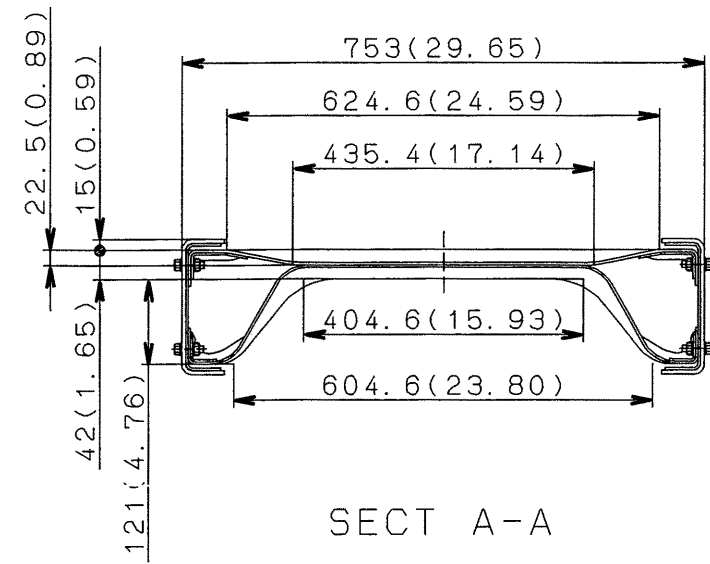
SECT E-E



SECT  
F-F  
G-G

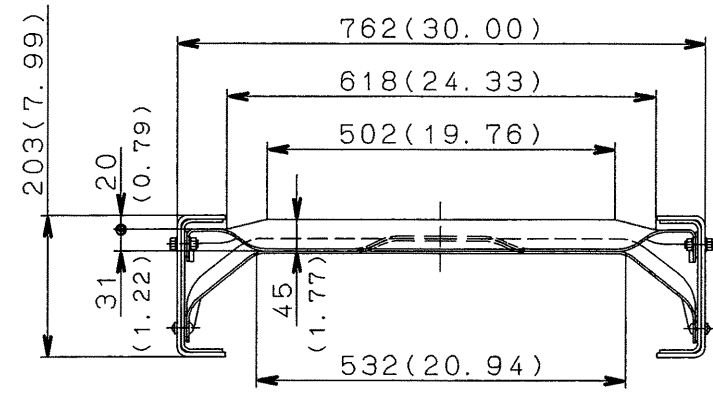
UNIT : mm (in.)

# 5.2 FE84DHW

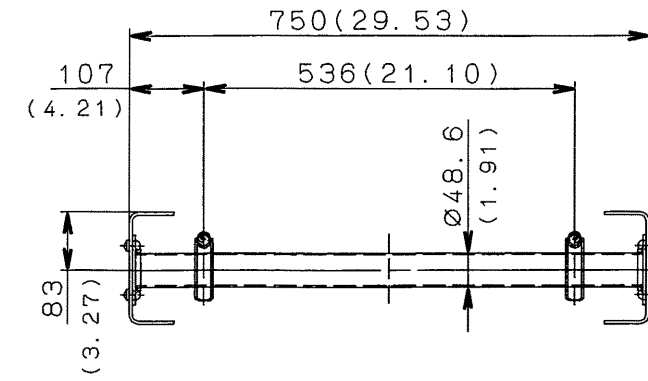


UNIT : mm (in.)

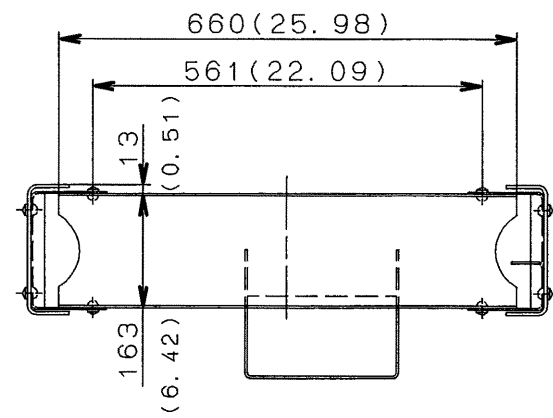
### 5.3 FG Series



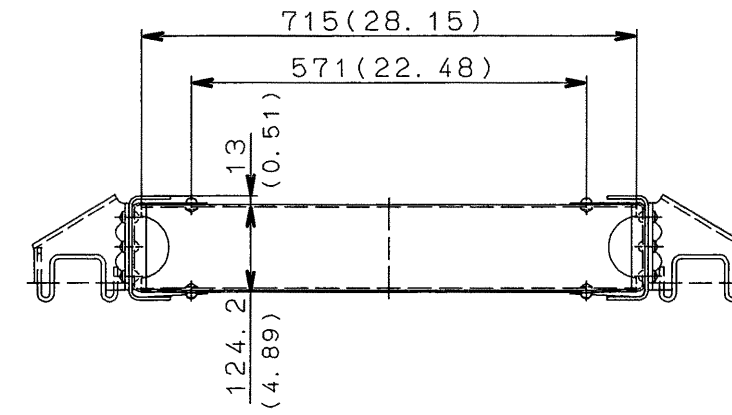
SECT A-A



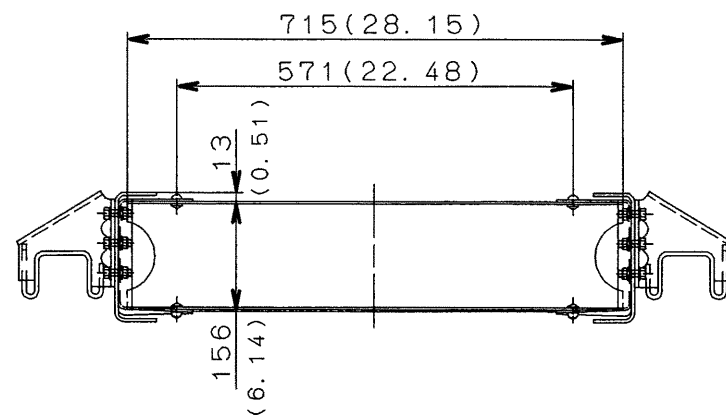
SECT D-D



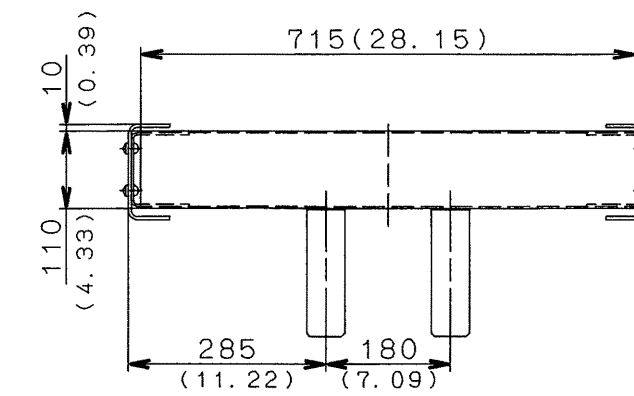
SECT B-B



SECT E-E



SECT C-C



SECT F-F

UNIT : mm (in.)

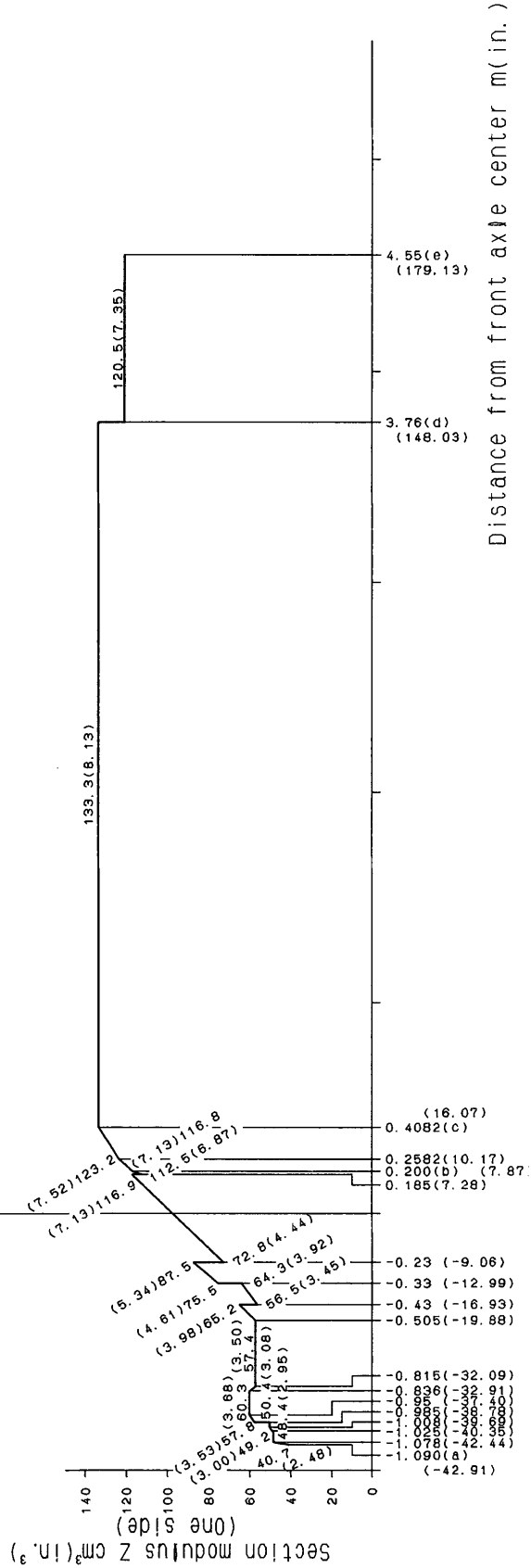
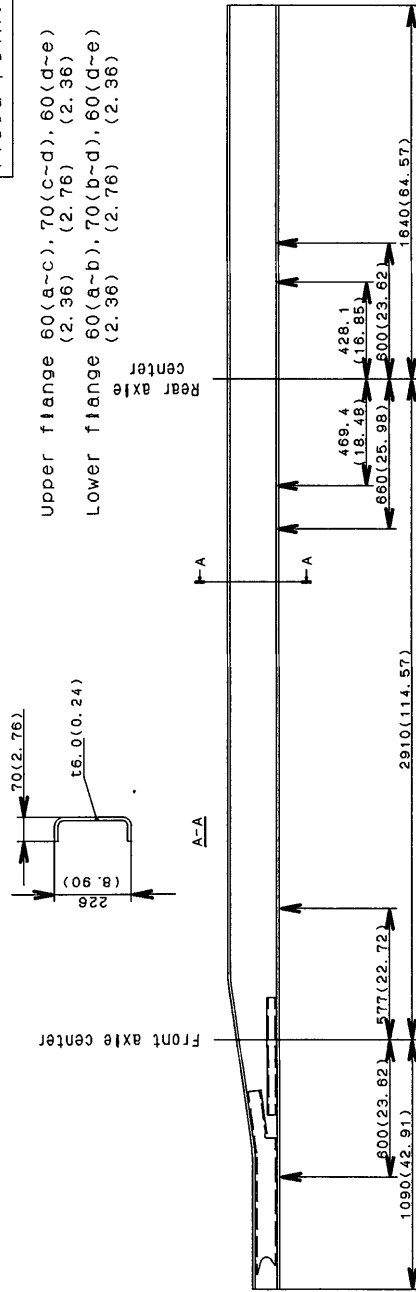
# 6. FRAME SECTION MODULUS DIAGRAMS

## 6.1 FE8DDZ

Model FE85DDZ Chassis frame section modulus (one side)

Side member material	HTP540(JIS)
Tensile strength MPa	540
Yield point MPa	370

FE83DDZLSUA  
 FE83DDZLSUB  
 FE84DDZLSUA  
 FE84DDZLSUB  
 FE85DDZLSUC  
 FE85DDZLSUB



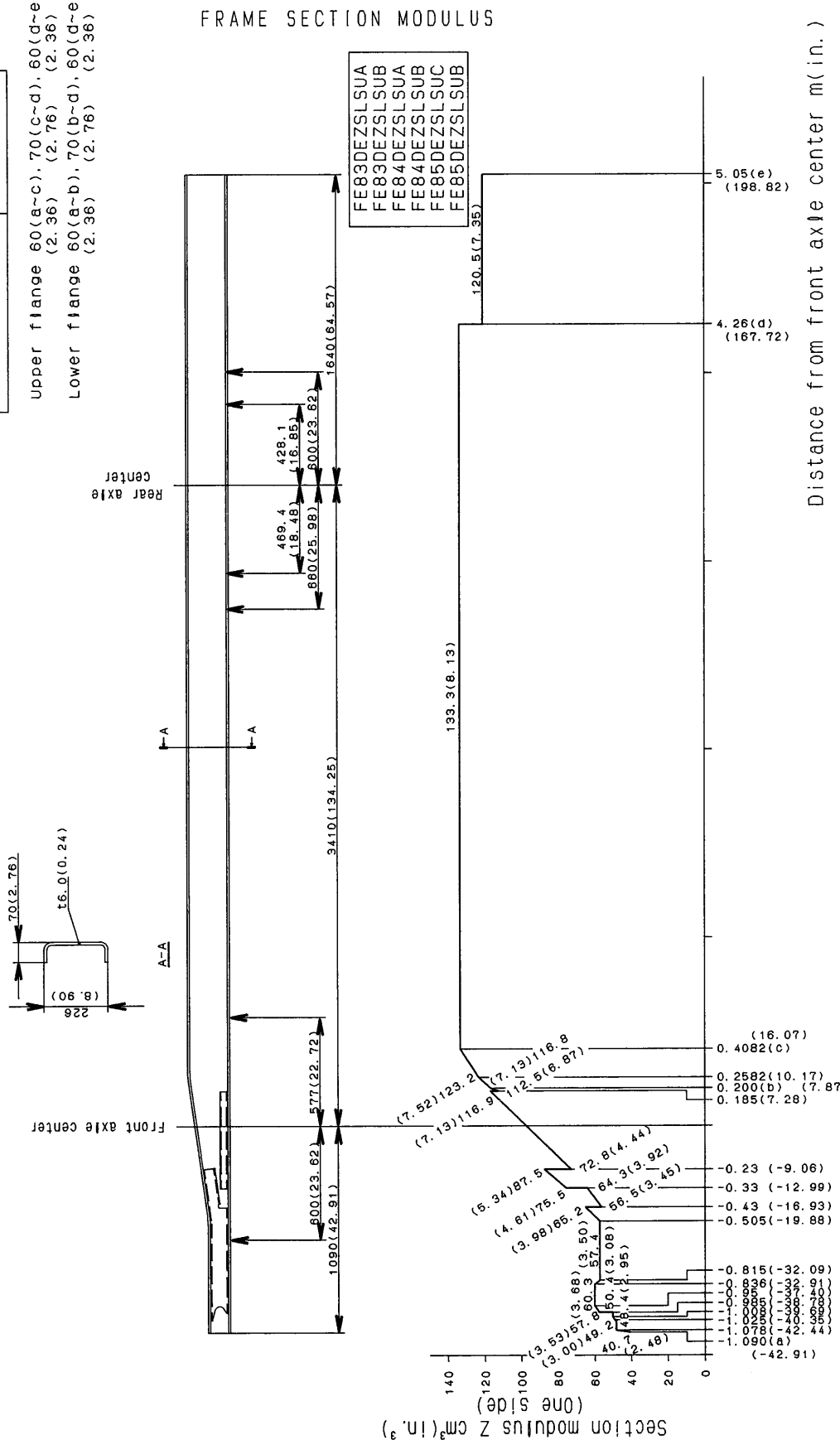
# 6.2 FE80DEZ

Model FE85DEZ Chassis frame section modulus (one side)

Side-member material	HTP540(JIS)
Tensile strength MPa	540
Yield point MPa	370

Upper flange 60(a-c), 70(c-d), 60(d-e)  
(2.36) (2.76) (2.36)

Lower flange 60(a-b), 70(b-d), 60(d-e)  
(2.36) (2.76) (2.36)



## FRAME SECTION MODULUS

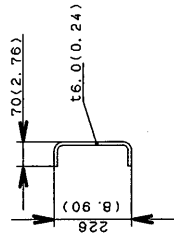
# 6.3 FE8□DGZ

Model FE85DGZ Chassis frame section modulus (one side)

Side-member material	HTP540(JIS)
Tensile strength MPa	540
Yield point MPa	370

Upper flange 60(a-c), 70(c-d), 60(d-e)  
(2.36) (2.76) (2.76) (2.36)

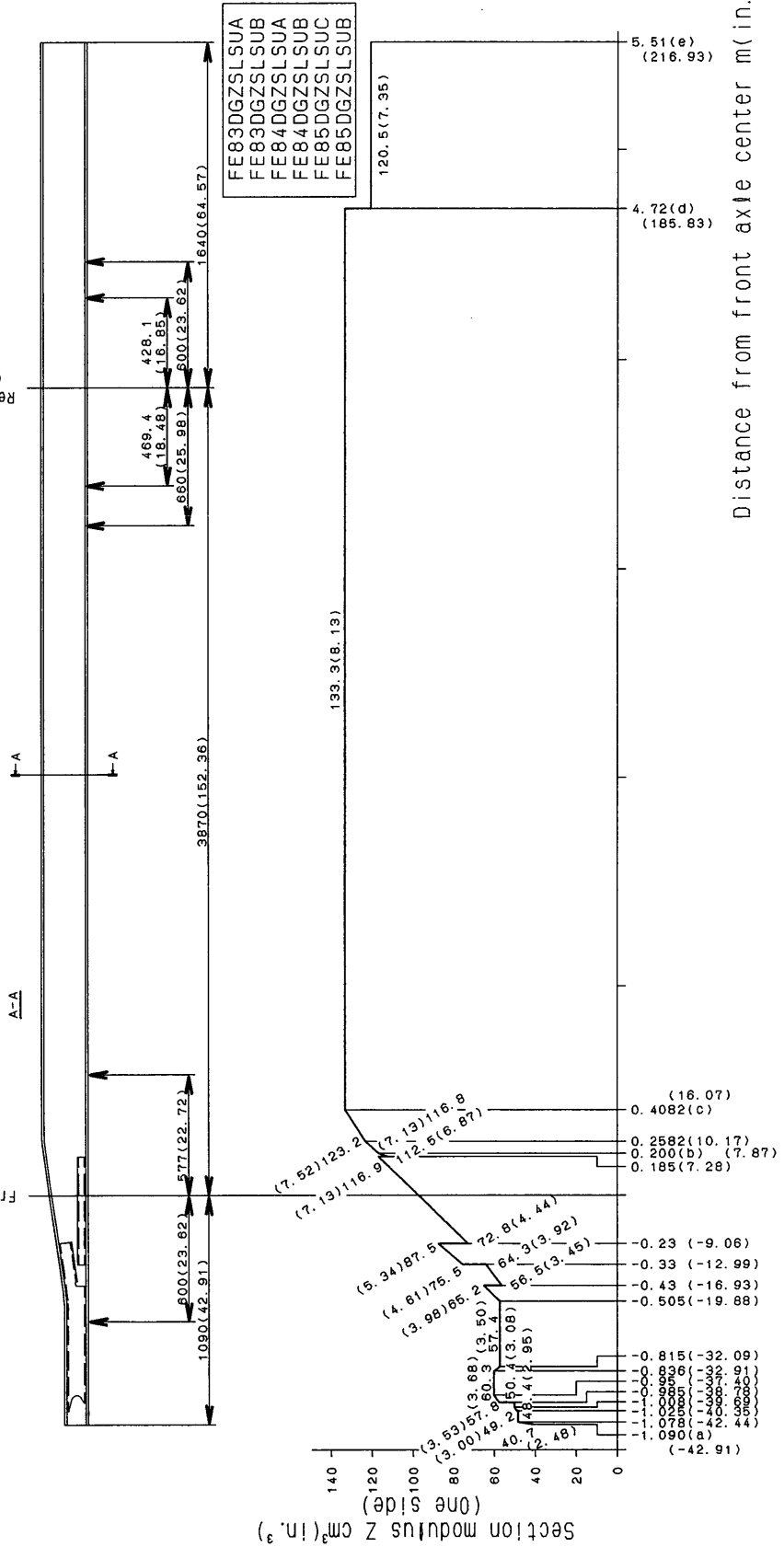
Lower flange 60(a-b), 70(b-d), 60(d-e)  
(2.36) (2.76) (2.76) (2.36)



Front axle center

Rear axle center

## FRAME SECTION MODULUS



FE83DGZLSUA  
FE83DGZLSUB  
FE84DGZLSUA  
FE84DGZLSUB  
FE85DGZLSUC  
FE85DGZLSUB

Distance from front axle center m (in.)

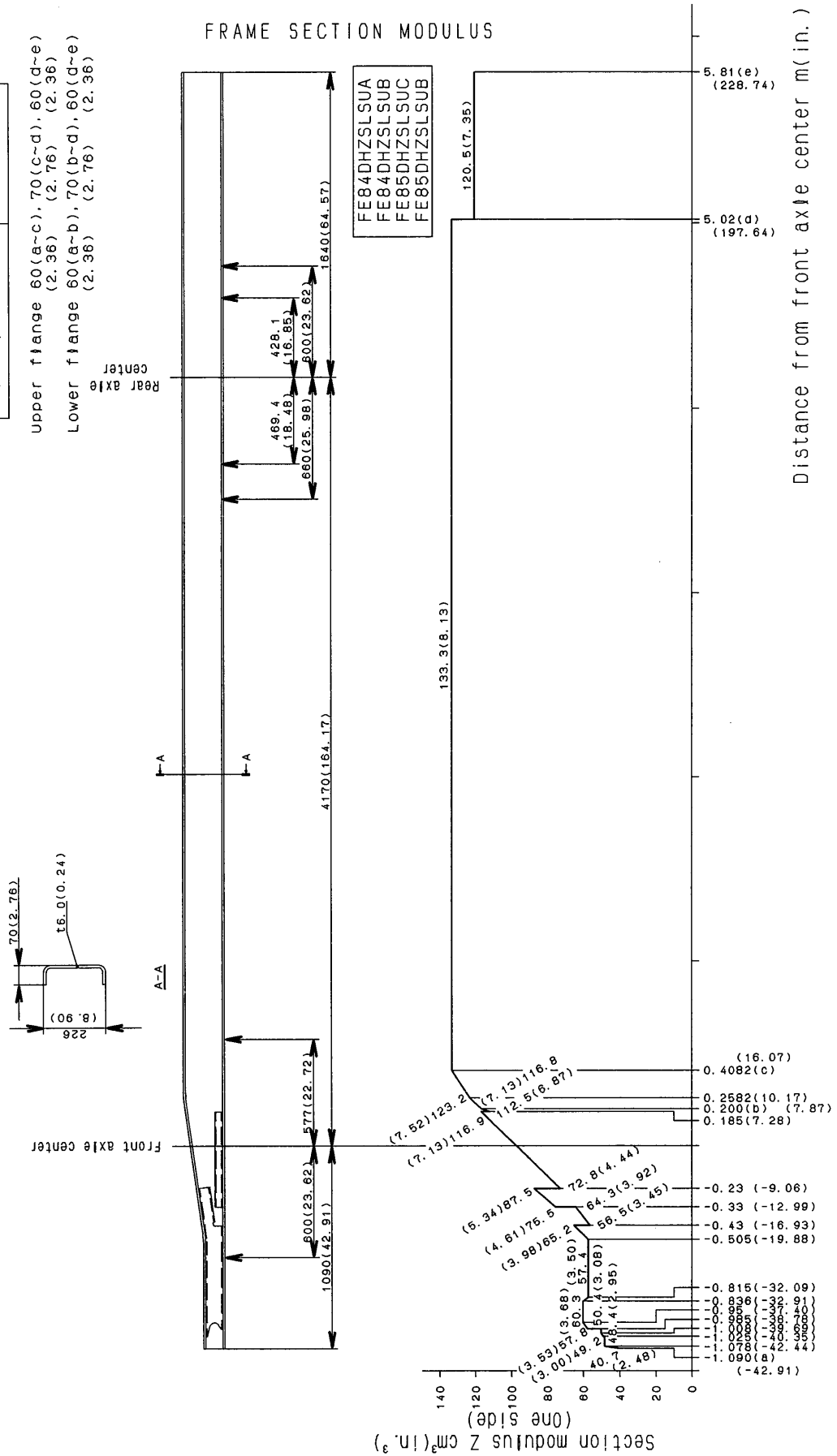
# 6.4 FE8□DHZ

Model FE85DHZ Chassis frame section modulus (one side)

Side-member material	HTP540(JIS)
Tensile strength MPa	540
Yield point MPa	370

Upper flange 60(a-c), 70(c-d), 60(d-e)  
(2.36) (2.76) (2.36)  
Lower flange 60(a-b), 70(b-d), 60(d-e)  
(2.36) (2.76) (2.36)

## FRAME SECTION MODULUS



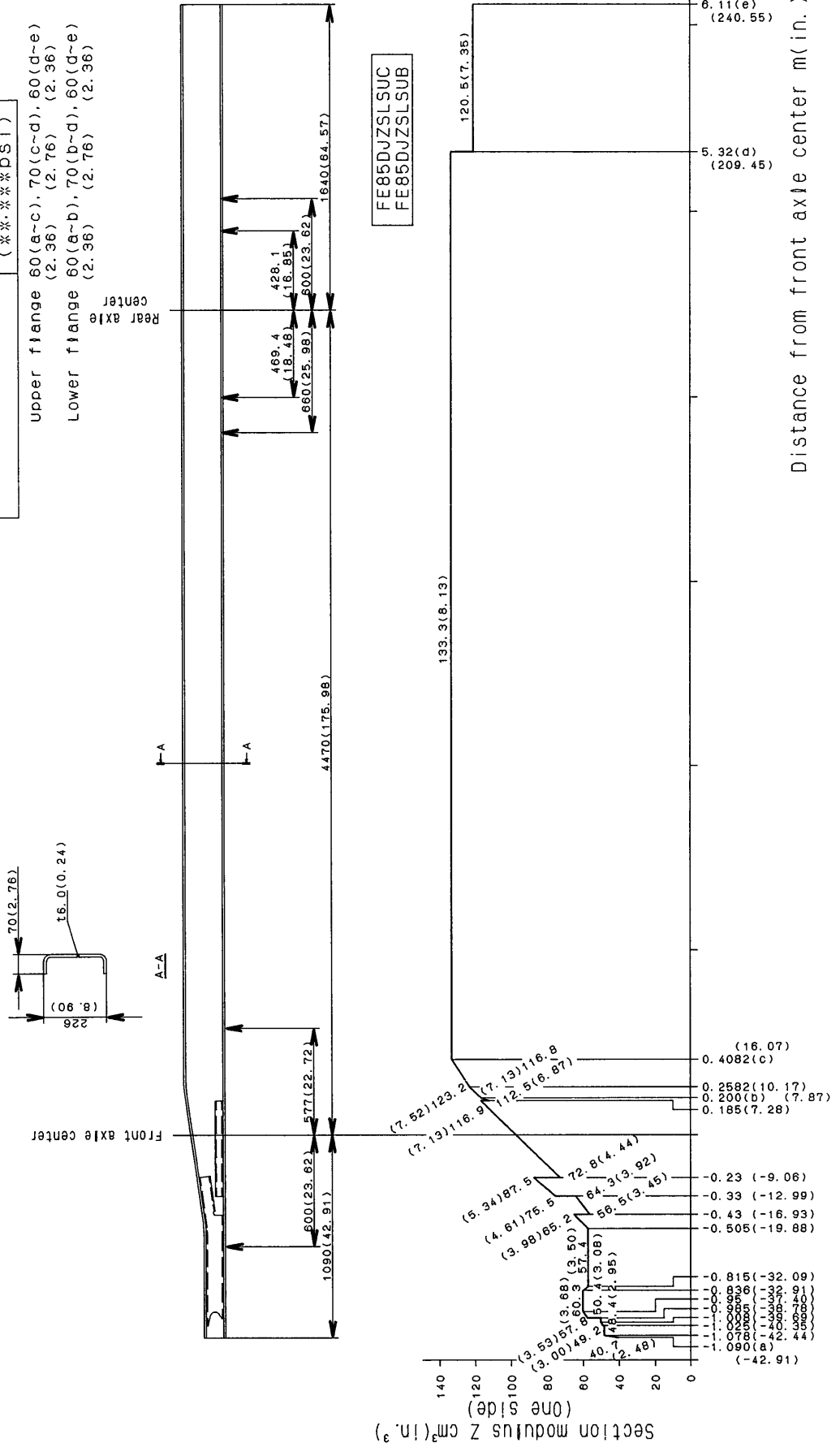
# 6.5 FE85DJZ

Model FE85DJZ Chassis frame section modulus(one side)

Frame material	HTP540(JIS)
Tensile strength	540 MPa (**.**PSI)
Yield point	370 MPa (**.**PSI)

Upper flange 60(a-c), 70(c-d), 60(d-e)  
(2.36) (2.76) (2.36)

Lower flange 60(a-b), 70(b-d), 60(d-e)  
(2.36) (2.76) (2.36)





# 6.7 FG84DC6

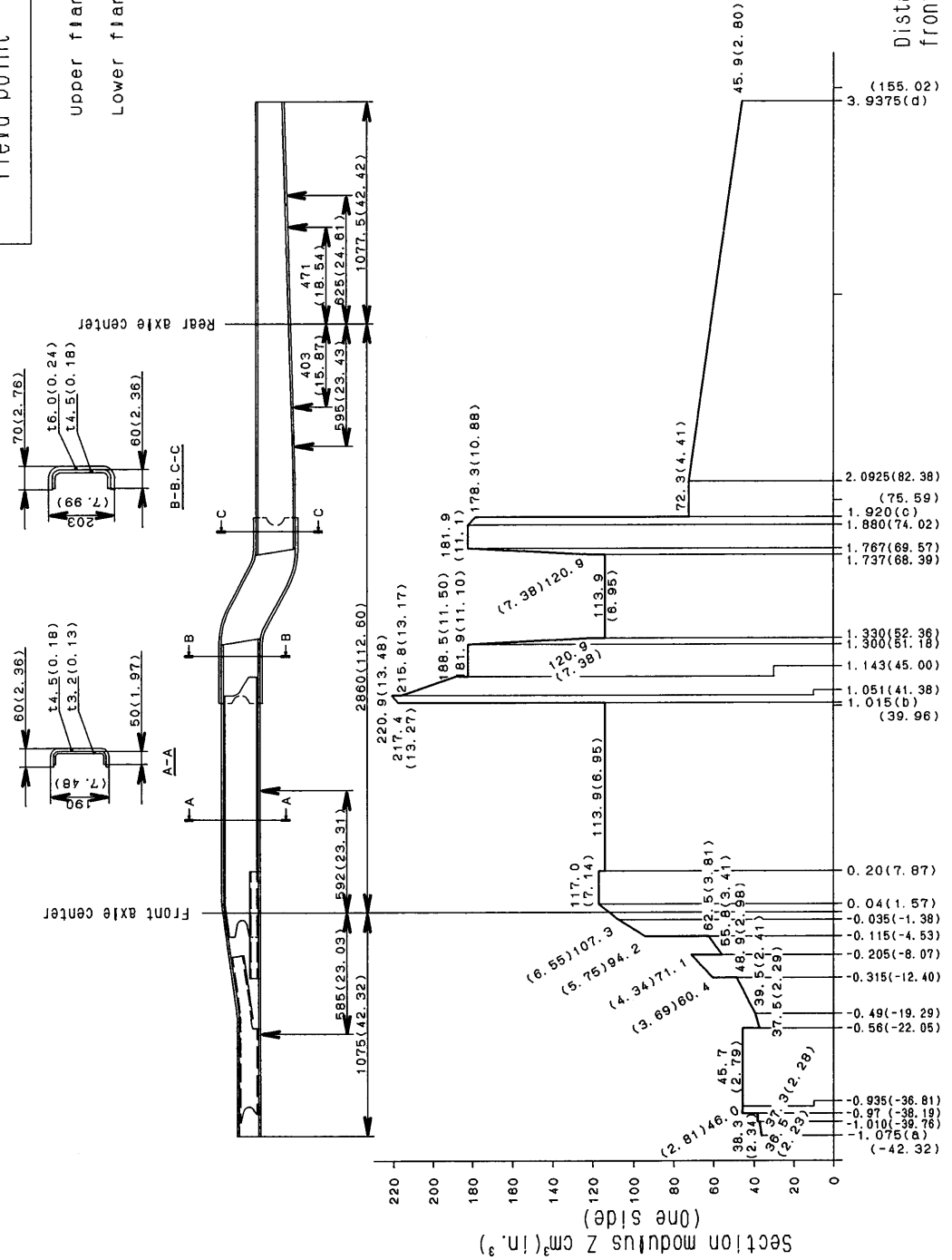
Model FG84DC6 Chassis frame section modulus (one side)

Frame material	SAPH440(JIS)
Tensile strength	440 MPa (64.011psi)
Yield point	305 MPa (44.097psi)

Upper flange 60(a~b), 70(b~c), 60(c~d)  
(2.36) (2.76) (2.36)

Lower flange 60(a~b), 70(b~c), 60(c~d)  
(2.36) (2.76) (2.36)

## FRAME SECTION MODULUS

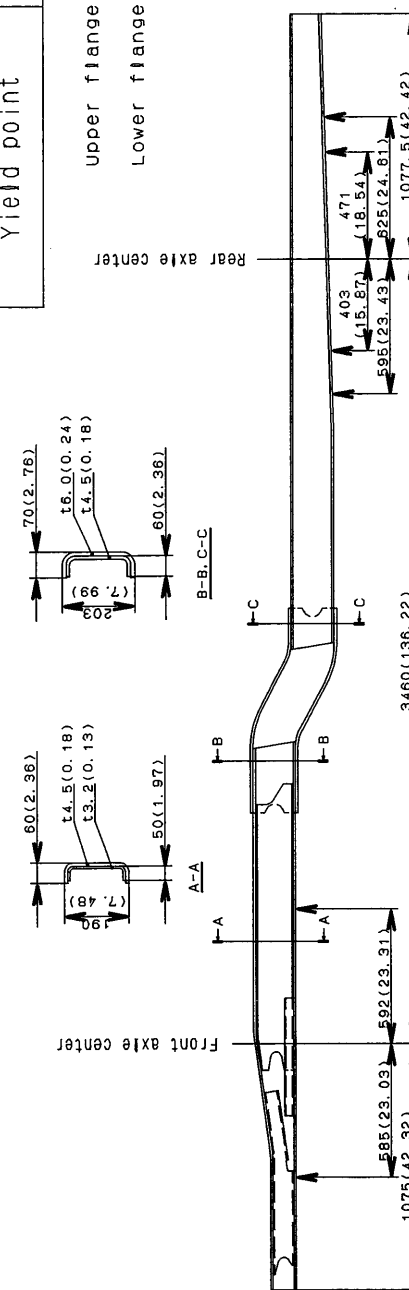


# 6.8 FG84DE6

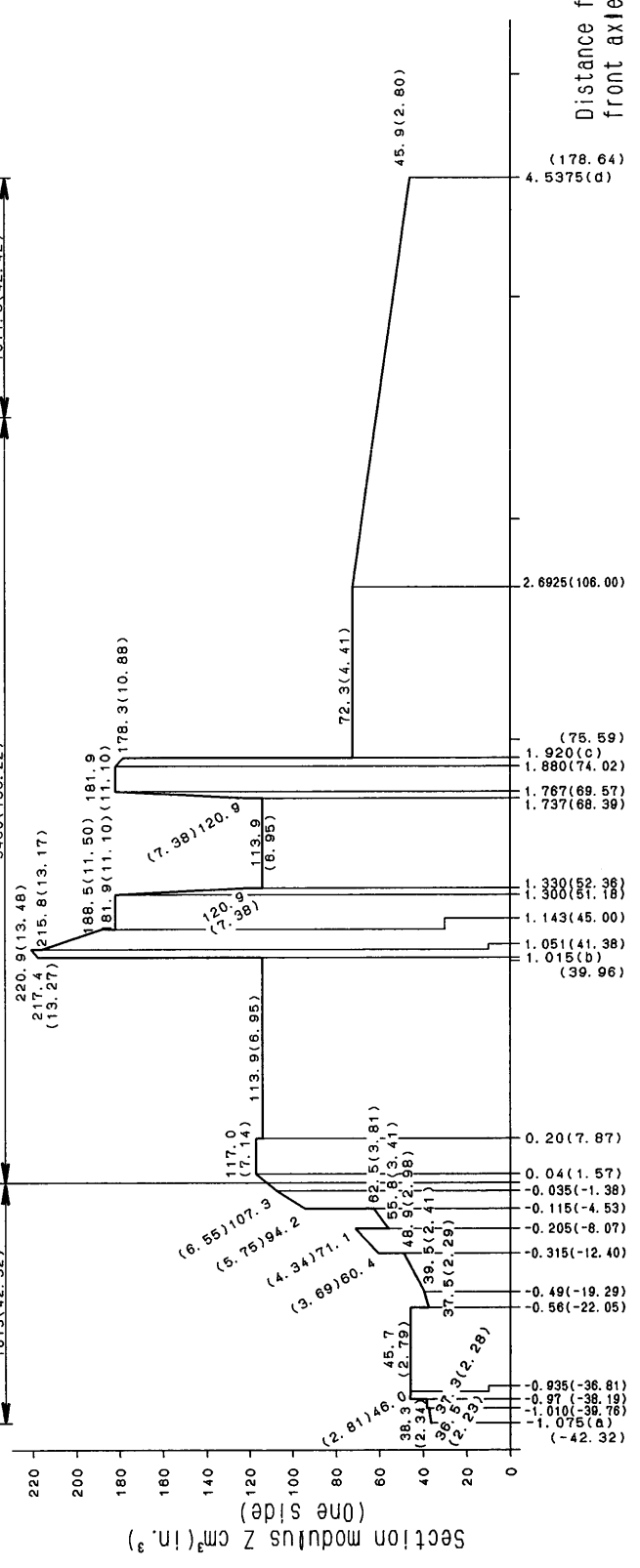
Model FG84DE6 Chassis frame section modulus (one side)

Frame material	SAPH440(JIS)
Tensile strength	440 MPa (64,011psi)
Yield point	305 MPa (44,097psi)

Upper flange 60 (a-b), 70 (b-c), 60 (c-d)  
(2.36) (2.76) (2.36)  
Lower flange 60 (a-b), 70 (b-c), 60 (c-d)  
(2.36) (2.76) (2.36)



## FRAME SECTION MODULUS



# 7. FRAME HEIGHT

## 7.1 Tire radius

(Ground to top of Frame at Front & Rear Axle center)

Calculating the formulas

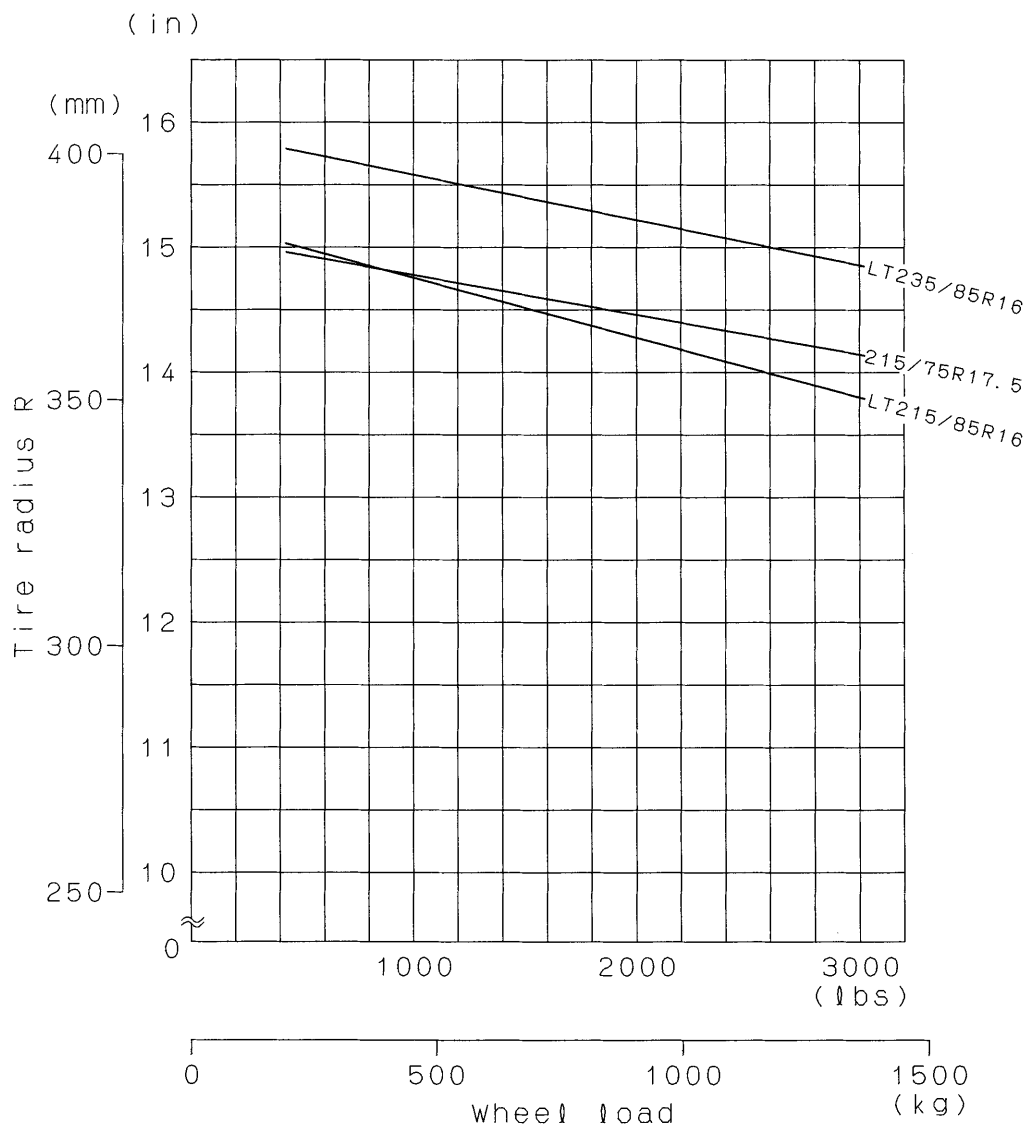
$$H_f = h_f + R_f \text{ (Frame height, Front)}$$

$$H_r = h_r + R_r \text{ (Frame height, Rear)}$$

$h_f$  : Distance from top to front wheel center (see section 9 : Front and Rear springs)

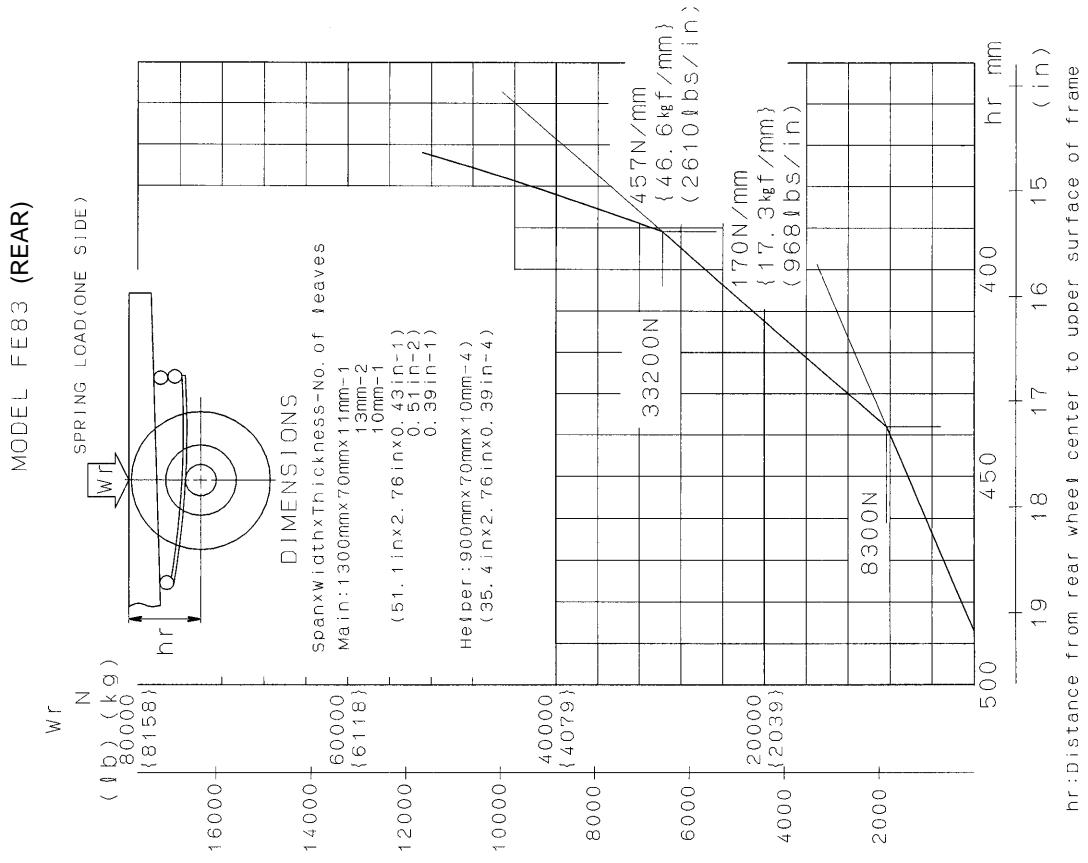
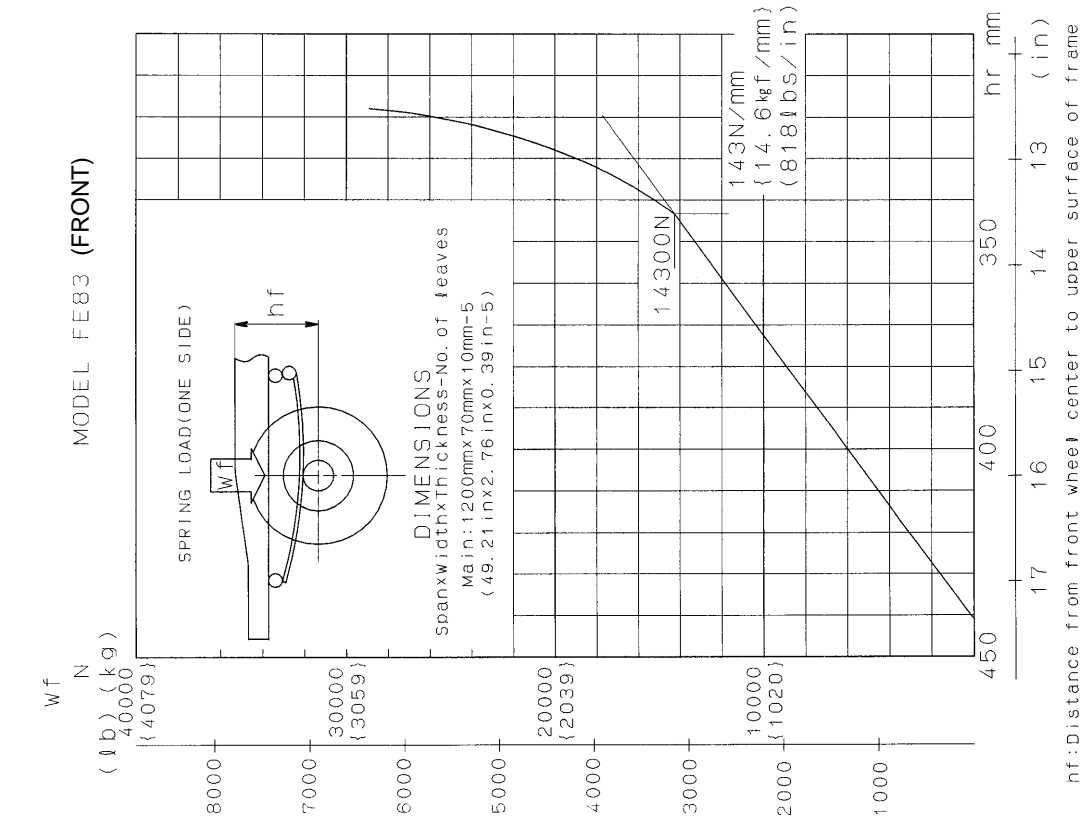
$h_r$  : Distance from top to rear wheel center (see section 9 : Front and Rear springs)

$R_f, R_r$  : Tire radius (See following Tire chart following.)

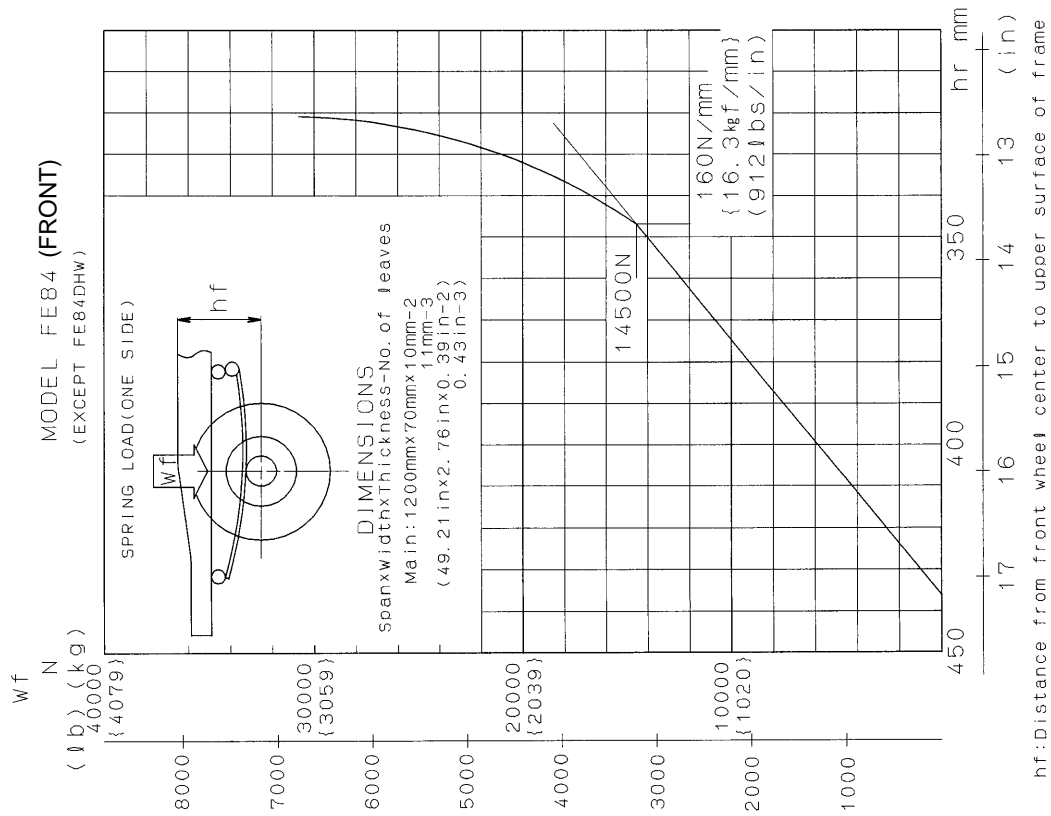
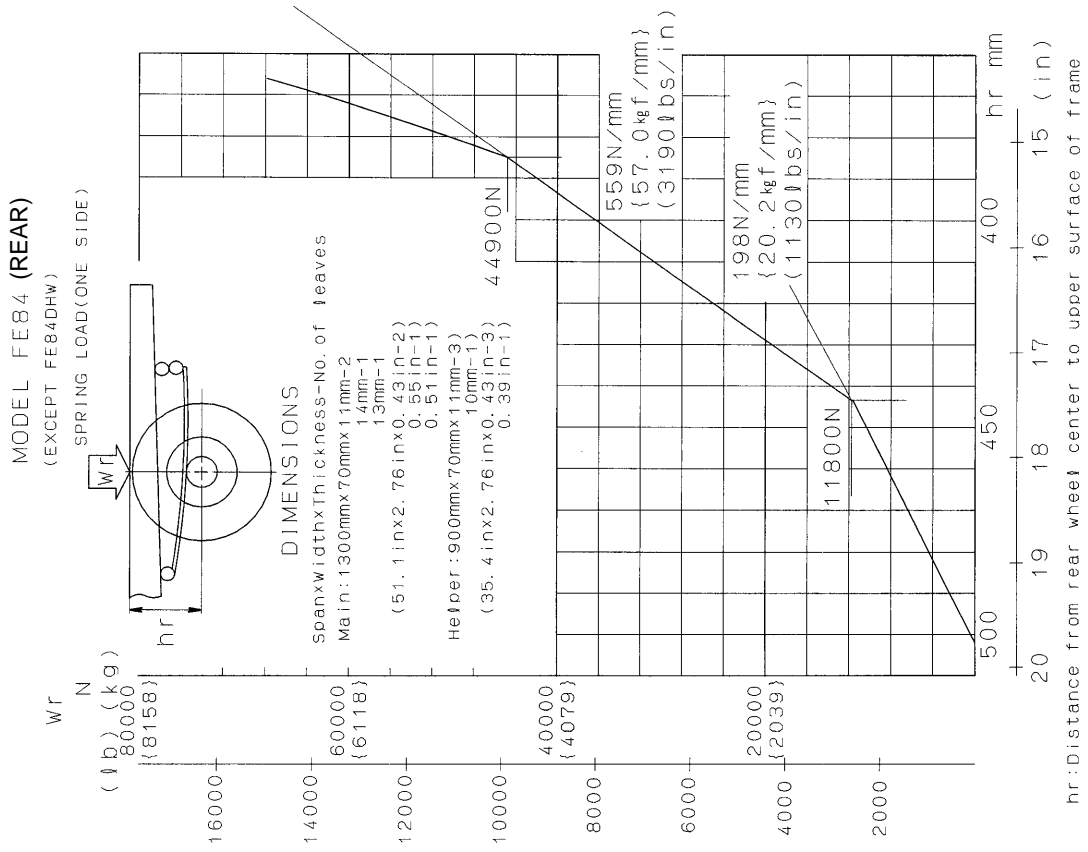


# 7.2 Front and rear springs

## 7.2.1 FE83

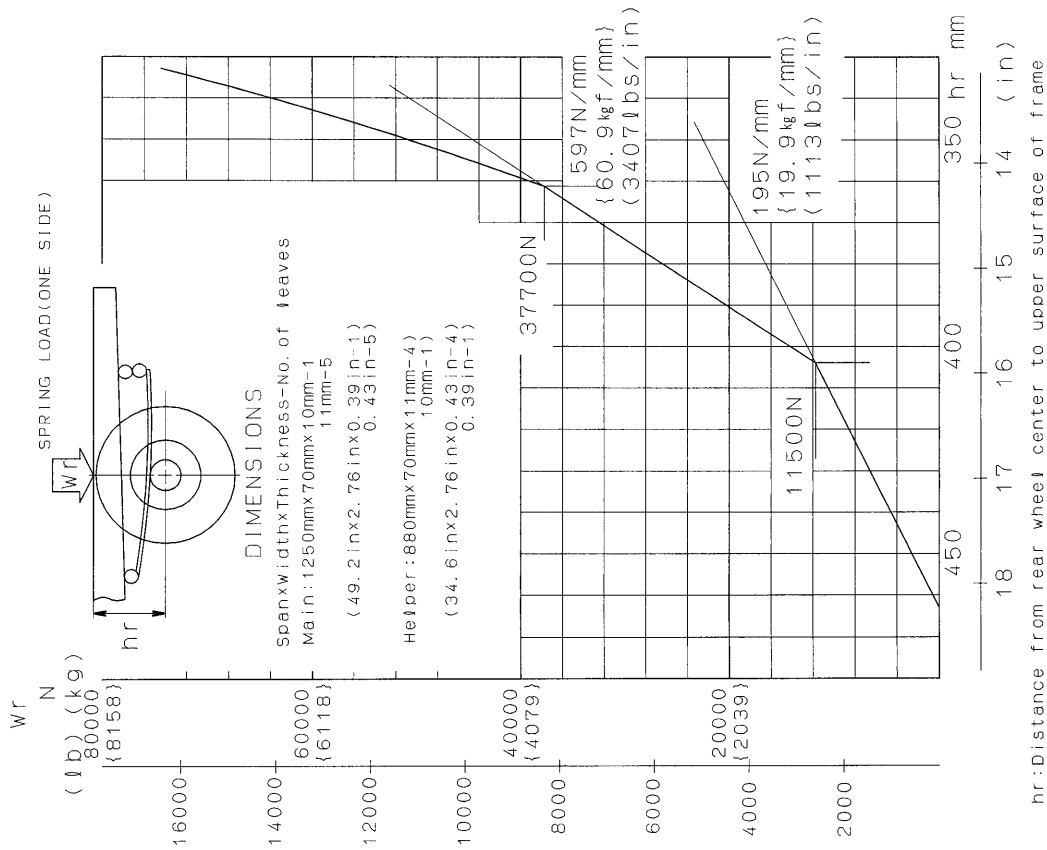


## 7.2.2 FE84 (except FE84DHW)

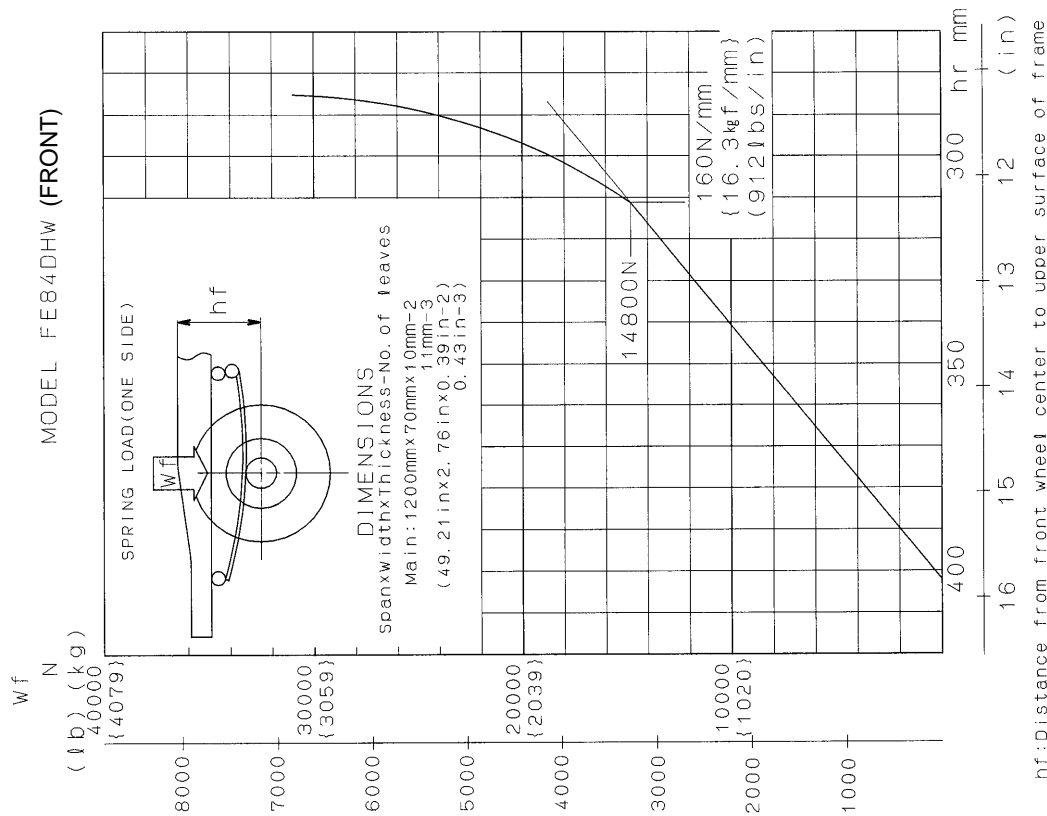


# 7.2.3 FE84DHW

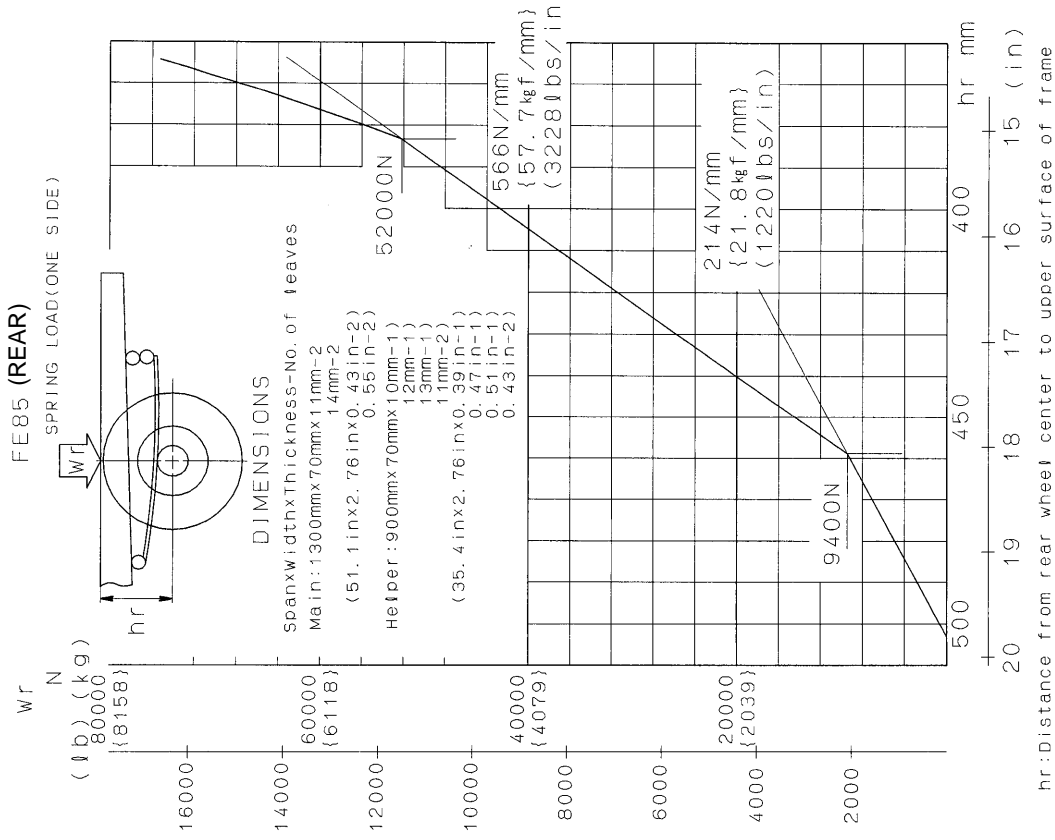
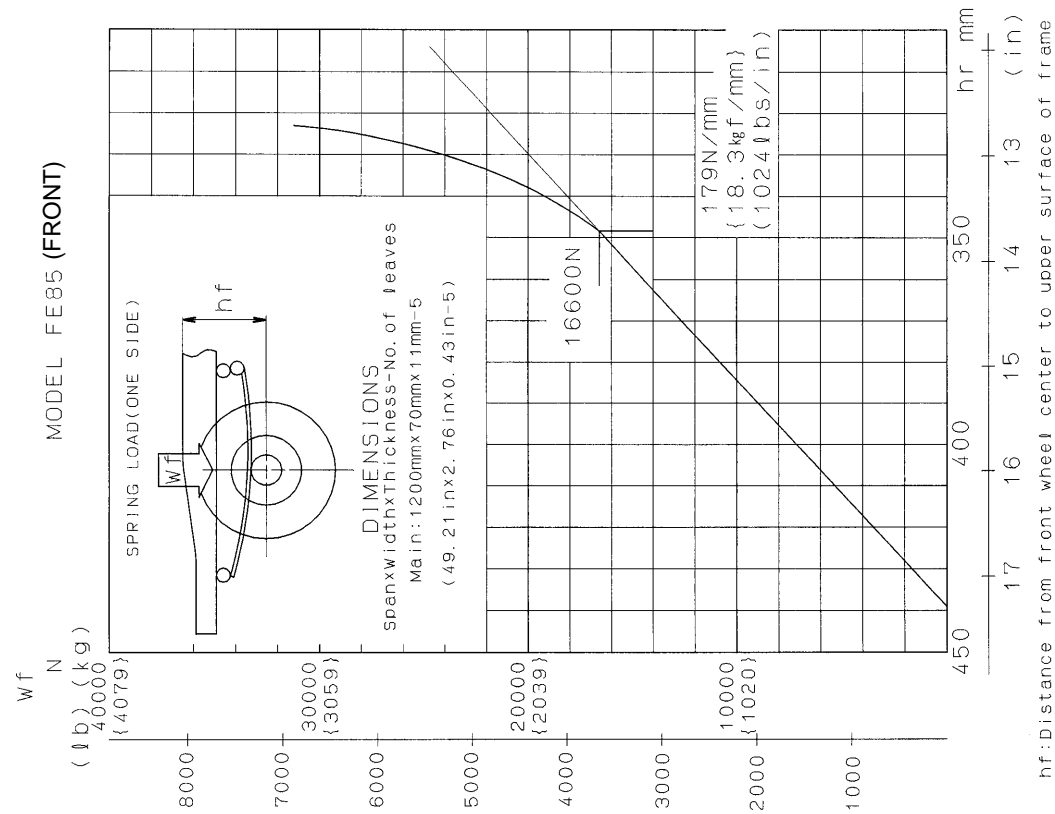
MODEL FE84DHW (REAR)



MODEL FE84DHW (FRONT)

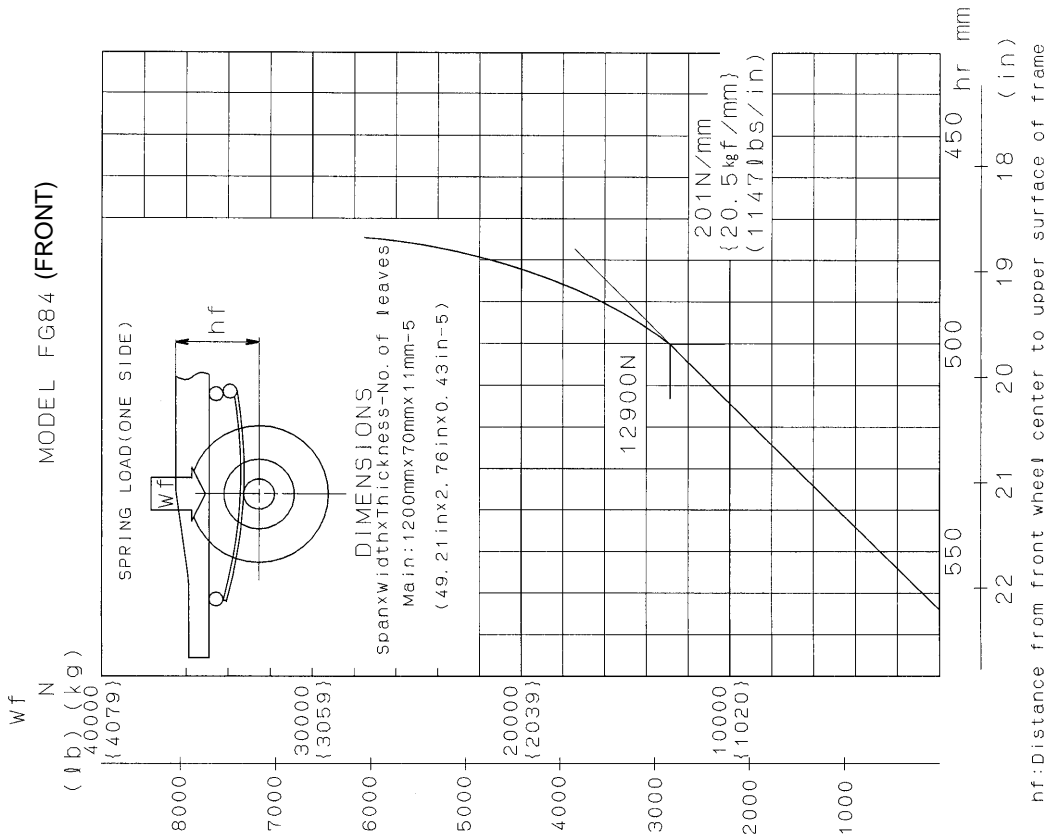


# 7.2.4 FE85

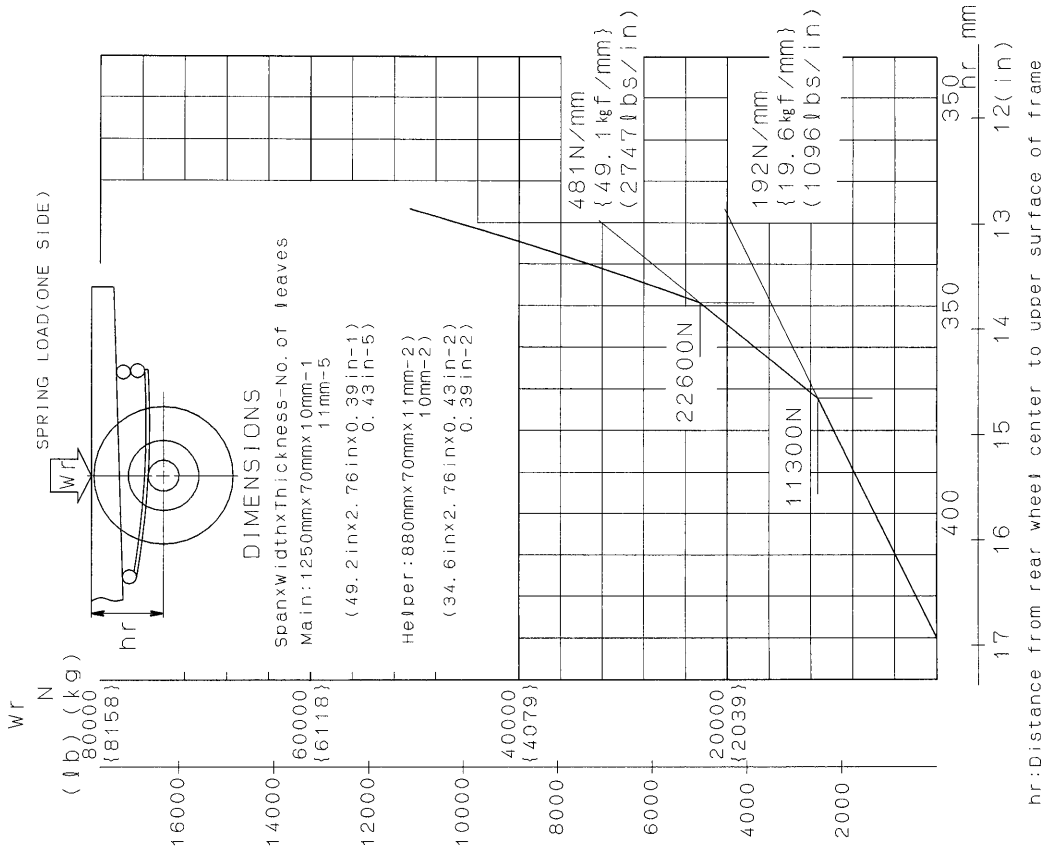


# 7.2.5 FG84

MODEL FG84 (FRONT)



MODEL FG84 (REAR)



## 7.3 Vehicle's sprung weight

VEHICLE MODEL	SPRUNG WEIGHT kg (Ibs)		
	FRONT	REAR	TOTAL
FE83DDZSLSUA	1420	305	1725
FE84DDZSLSUA	(3130)	(670)	(3800)
FE83DEZSLSUA	1450	295	1745
FE84DEZSLSUA	(3195)	(650)	(3845)
FE83DGZSUSUA	1470	300	1770
FE84DGZSLSUA	(3240)	(660)	(3900)
FE84DHZSLSUA	1465	315	1780
	(3230)	(695)	(3925)
FE83DDZSLSUB	1465	315	1780
FE84DDZSLSUB	(3230)	(695)	(3925)
FE83DEZSLSUB	1500	300	1800
FE84DEZSLSUB	(3305)	(660)	(3965)
FE83DGZSUSUB	1520	305	1825
FE84DGZSLSUB	(3350)	(670)	(4020)
FE84DHZSLSUB	1515	320	1835
	(3340)	(705)	(4045)
FE84DHWLSUB	1625	390	2015
	(3580)	(860)	(4440)
FE85DDZSLSUC	1435	305	1740
	(3165)	(670)	(3835)
FE85DEZSLSUC	1470	290	1760
	(3240)	(640)	(3880)
FE85DGZSLSUC	1490	295	1785
	(3285)	(650)	(3935)
FE85DHZSLSUC	1480	310	1790
	(3260)	(685)	(3945)
FE85DJZSLSUC	1495	320	1815
	(3295)	(705)	(4000)
FE85DDZSLSUB	1470	310	1780
	(3240)	(685)	(3925)
FE85DEZSLSUB	1505	295	1800
	(3315)	(650)	(3965)
FE85DGZSLSUB	1525	305	1830
	(3360)	(670)	(4030)
FE85DHZSLSUB	1520	315	1835
	(3350)	(695)	(4045)
FE85DJZSLSUB	1535	325	1860
	(3385)	(715)	(4100)
FG84DC6SLSUA	1475	270	1745
	(3250)	(595)	(3845)
FG84DE6SLSUA	1495	280	1775
	(3295)	(615)	(3910)

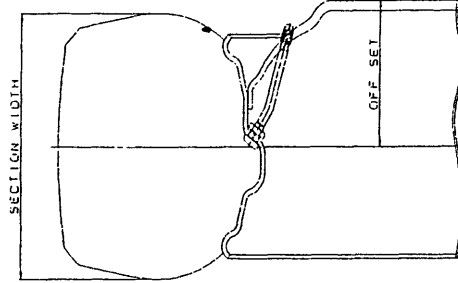
# 8. TIRE AND DISC WHEEL

## TIRE

VEHICLE MODEL	TIRE SIZE	PLY RATING	LOAD RANGE	RIM WIDTH in.	TIRE DIMENSION		LOAD CAPACITY PER AXLE		MAXIMUM INFLATION PRESSURE kPa (psi)
					OVERALL DIAMETER mm (in.)	SECTION WIDTH mm (in.)	FRONT SINGLE kg (lbs.)	REAR DUAL kg (lbs.)	
FE83	LT215/85R16	10	E	6	772 (30.4)	216 (8.5)	2430 (5360)	4480 (9880)	550 (80)
FE84									
FE85	215/75R17.5	12	F		767 (30.2)	212 (8.3)	3200 (7055)	6200 (13669)	690 (100)
FG84	LT235/85R16	10	E		812 (32.0)	230 (9.1)	2760 (6084)	5040 (11112)	550 (80)

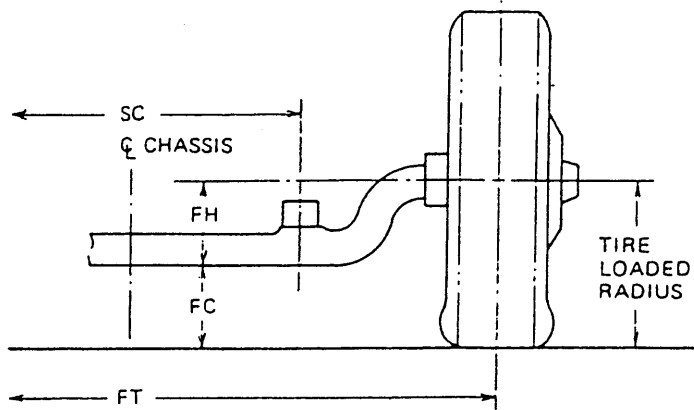
## DISC WHEEL

VEHICLE MODEL	WHEEL SIZE	BOLT HOLES	BOLT CIRCUIT DIAMETER mm (in.)	OFFSET mm (in.)	THICKNESS OF DISC	RIM TYPE
FE84		6	222.25 (8.75)			
FE85	17.5X6.00			135 (5.3)		
FG84	16X6K					

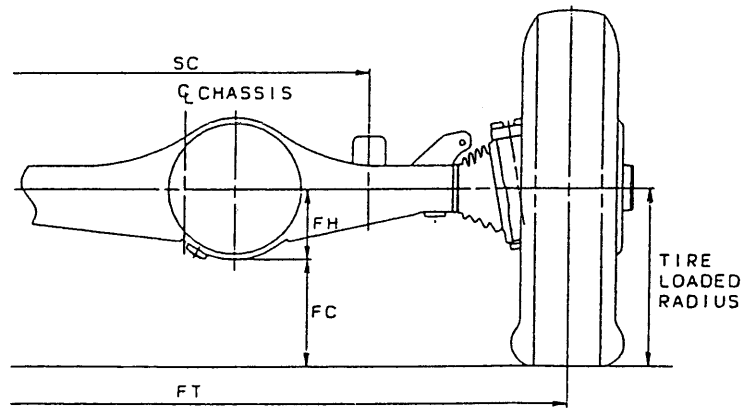


# 9. FRONT AXLE

**FE**



**FG**



VEHICLE MODEL	FRONT AXLE		TIRE SIZE	FT mm (in.)	SC mm (in.)	FH mm (in.)
	MODEL	CAPACITY kg (lbs.)				
FE83	F200T	2400 (5290)	LT215/85R16 (16x6K)	1665 (65.55)	807 (31.77)	177 (6.97)
FE84	F300T	2500 (5510)				
FG84	F200TW	2600 (5730)	LT235/85R16 (16x6K)	1650 (65.00)	807 (31.77)	156.5 (6.16)
FE85	F350T	2900 (6390)	215/75R17.5 (17.5x6.00)	1665 (65.55)	807 (31.77)	177 (6.97)

## DEFINITIONS

FT : Front tread

SC : Spring to spring distance

FH : Distance between the center line of tire and the bottom of front axle

FC : Front axle clearance

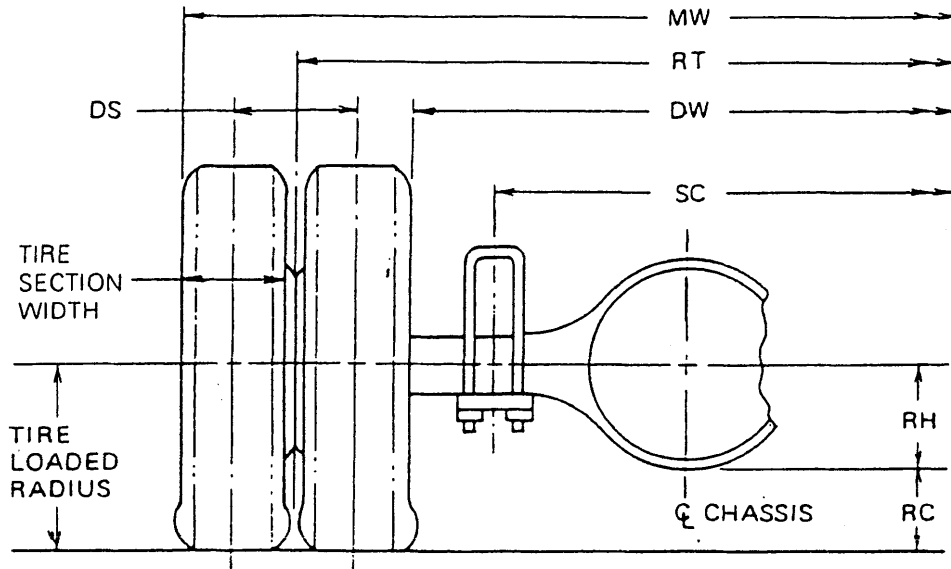
Minimum clearance between the front axle and the ground-line

TIRE LOADED RADIUS : See section 7: FRAME HEIGHT "Tire radius" (PAGE II-7-1)

Formula for calculating front axle clearance

$$FC = \text{Tire loaded Radius} - FH$$

# 10. REAR AXLE



VEHICLE MODEL	REAR AXLE		TIRE SIZE	RT mm (in.)	SC mm (in.)	RH mm (in.)	DS mm (in.)
	MODEL	CAPACITY kg (lbs.)					
FE83	R033T	4300 (9480)	LT215/85R16 (16x6K)	1650 (64.96)	990 (38.98)	182.5 (7.19)	254 (10.00)
FE84		4500 (9920)		1660 (65.35)			
FE84W		5760 (12700)		1560 (61.42)			
FE85	R035T	5760 (12700)	215/75R17.5 (17.5x6.00)	1660 (65.35)	990 (38.98)		
FG84	R033T	4300 (9480)	LT235/85R16 (16x6K)	1560 (61.42)	900 (35.43)		

## DEFINITIONS

- RT : Rear tread
- SC : Spring to spring distance
- RH : Distance between the center line of tire and the bottom of rear axle
- DS : Dual tire spacing
- DW : Minimum distance between the inner surface of rear tires
- MW : Overall width of vehicle
- RC : Rear axle clearance  
Minimum clearance between the rear axle and the ground-line

TIRE SECTION WIDTH : See section 8: "TIRE AND DISC WHEEL" (PAGE II-8-1)

TIRE LOADED RADIUS : See section 7: FRAME HEIGHT "Tire radius" (PAGE II-7-1)

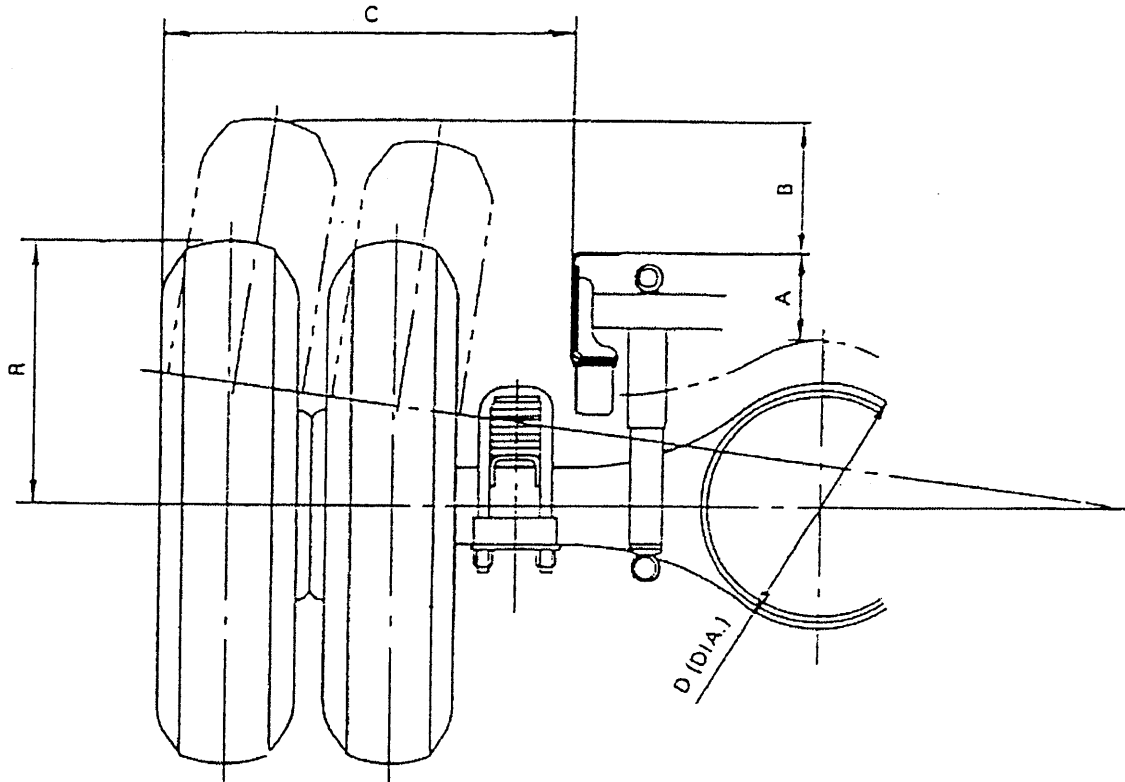
Formula for calculating front axle clearance

$$DW = RT - DS - \text{TIRE SECTION WIDTH}$$

$$MW = RT + DS + \text{TIRE SECTION WIDTH}$$

$$RC = \text{TIRE LOADED RADIUS} - RH$$

# 11. REAR AXLE BOUNCE HEIGHT



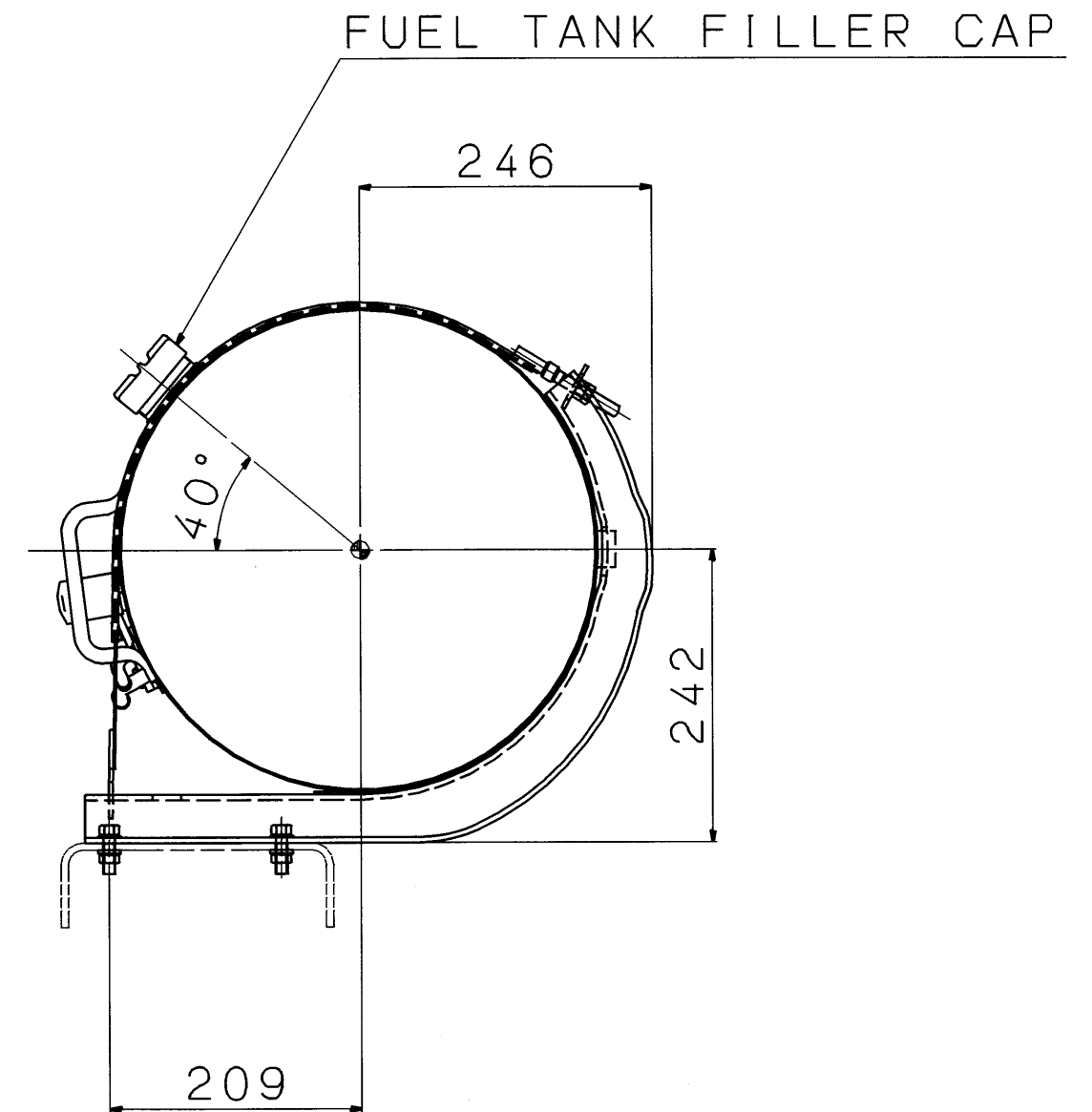
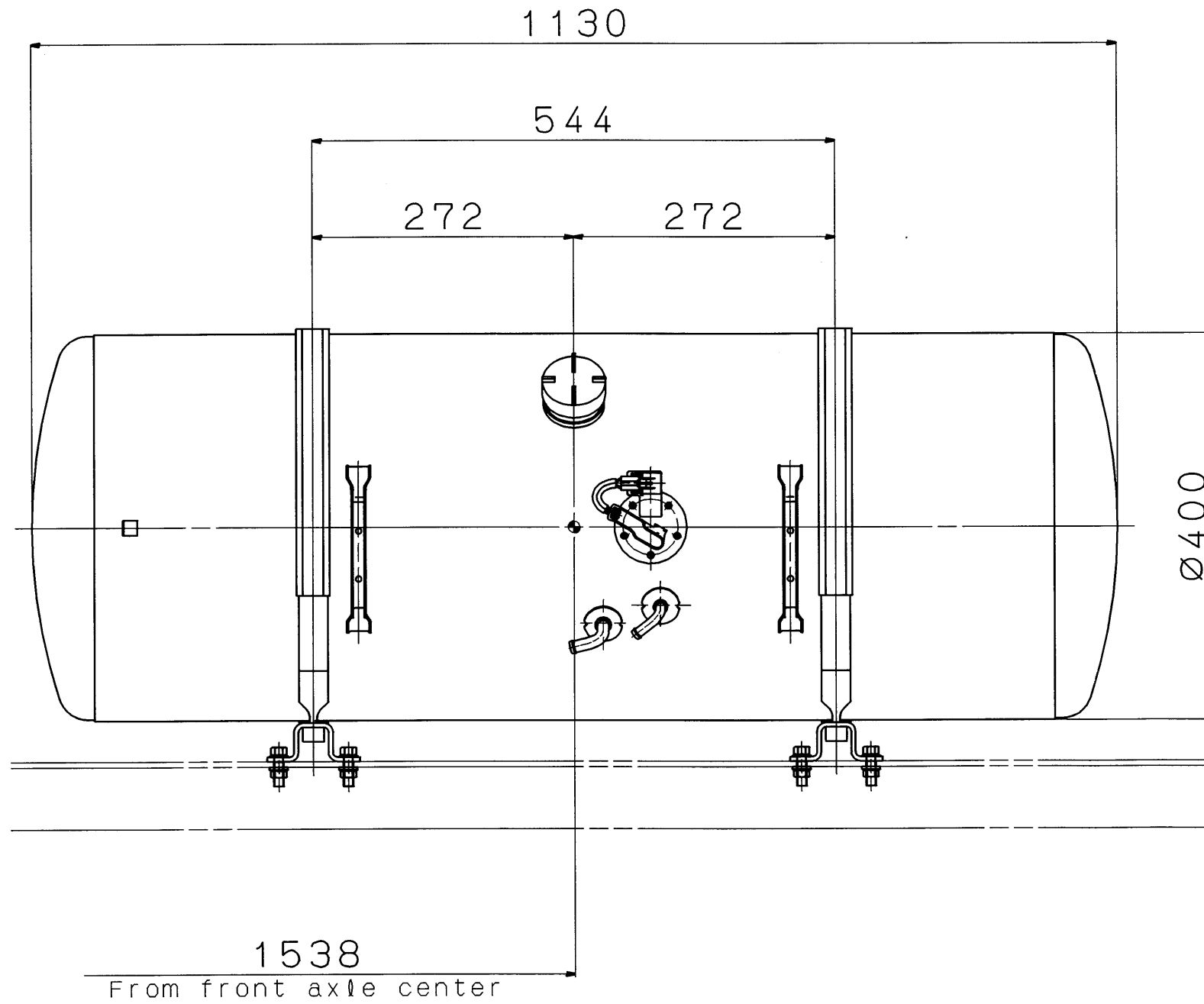
MODEL	TIRE SIZE	R	A <sup>(1)</sup>	B <sup>(2)</sup>	C <sup>(3)</sup>	D
		mm (in.)	mm (in.)	mm (in.)	mm (in.)	mm (in.)
FE83	LT215/85R16	396.5 (15.61)	180 (7.09)	105 (4.13)	645 (25.39)	365 (14.37)
Except FE84DHW	LT215/85R16	396.5 (15.61)	180 (7.09)	105 (4.13)	650 (25.59)	
FE84DHW	LT215/85R16	396.5 (15.61)	137 (5.39)	159 (6.26)	645 (25.39)	
FE85	LT215/75R17.5	393.5 (15.49)	180 (7.09)	105 (4.13)	648 (25.51)	
FG84	LT235/85R16	414 (16.30)	115 (4.53)	170 (6.69)	669 (26.30)	

**NOTES:**

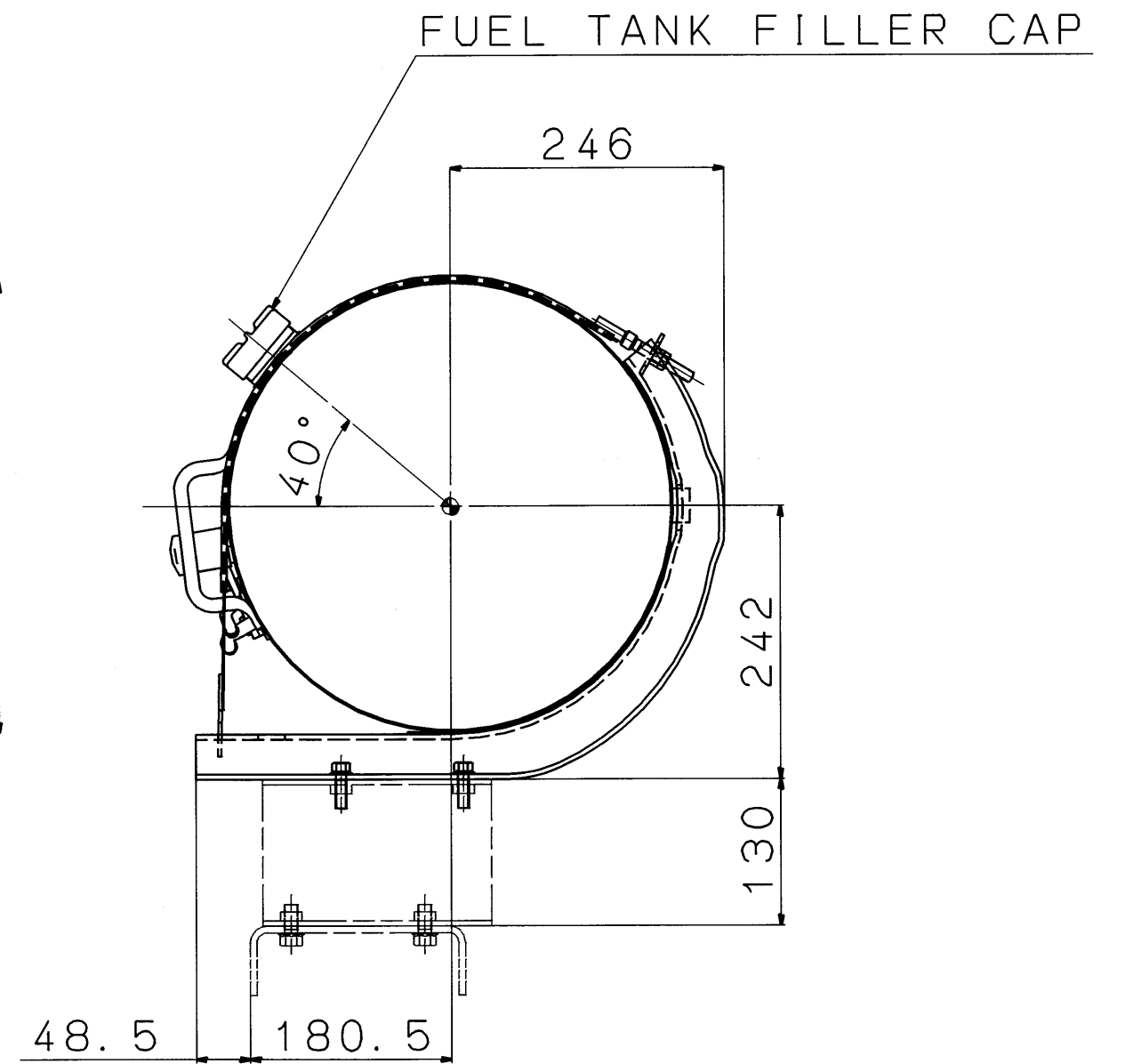
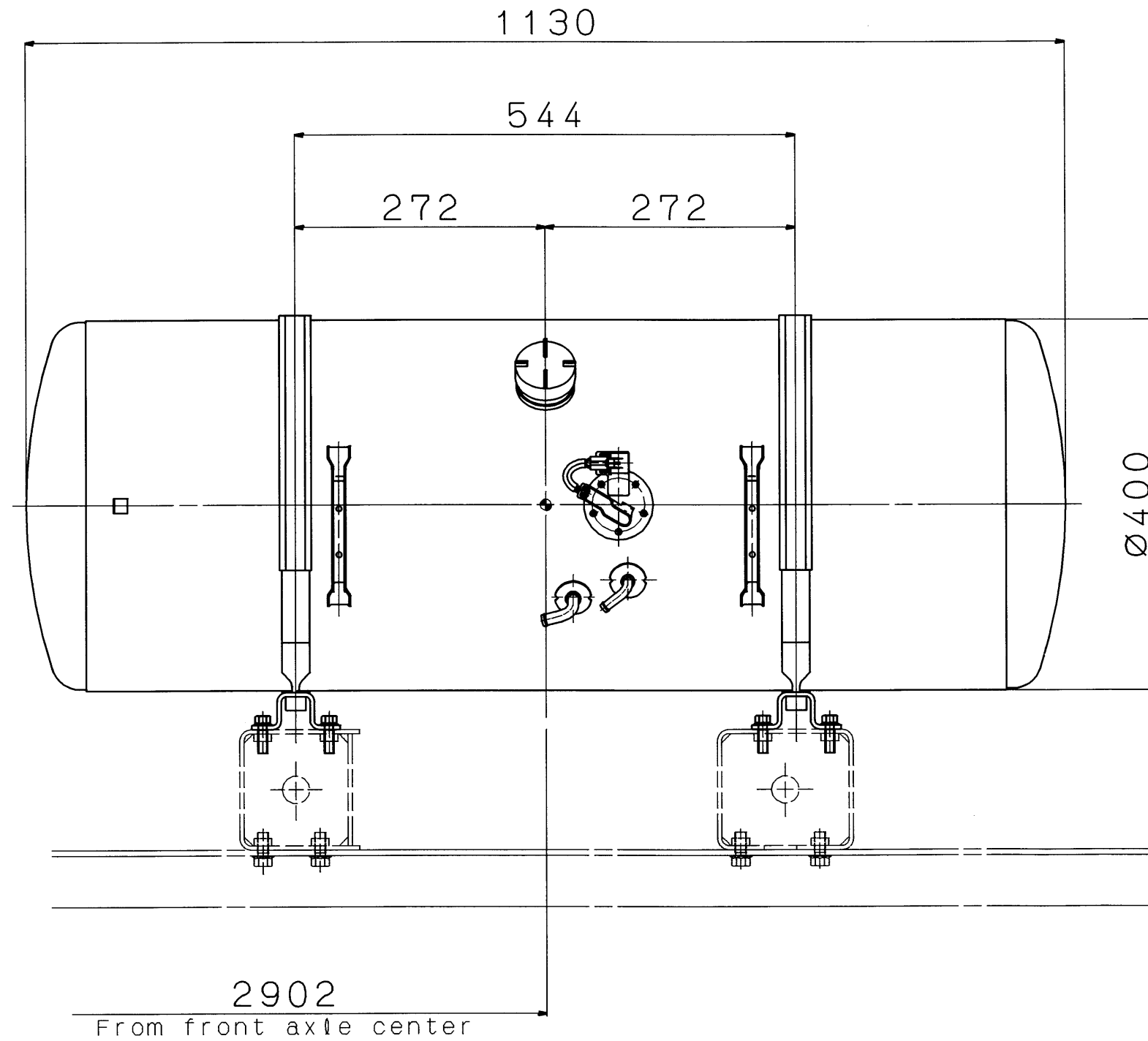
- (1) "A" indicates the distance between the top of rear axle and the upper face of frame in extreme bump position.
- (2) "B" indicates the distance between the top of tire and the upper face of frame in bump position.
- (3) "C" indicates the distance between the side wall of tire and the web face frame.

## 12. FUEL TANK

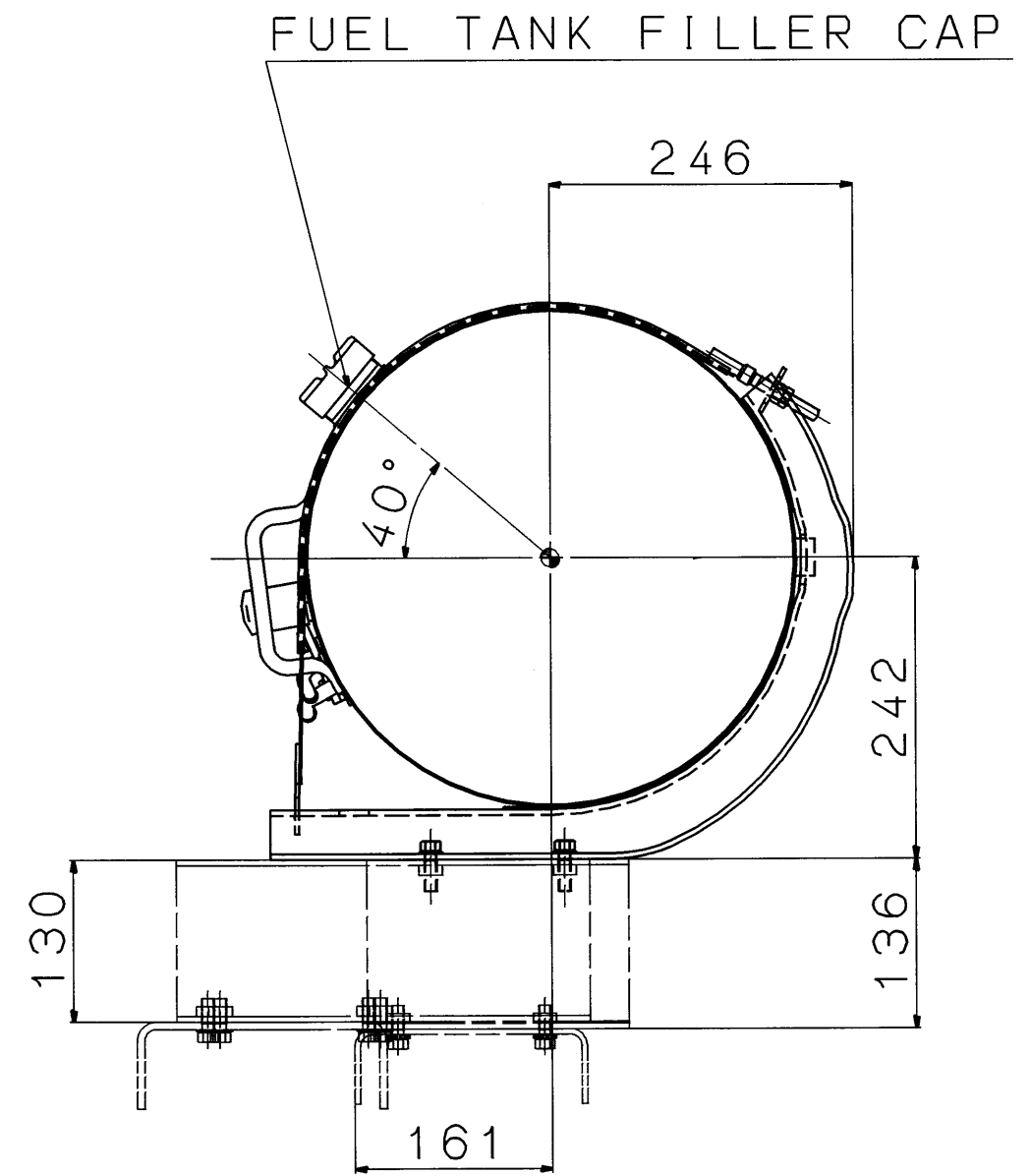
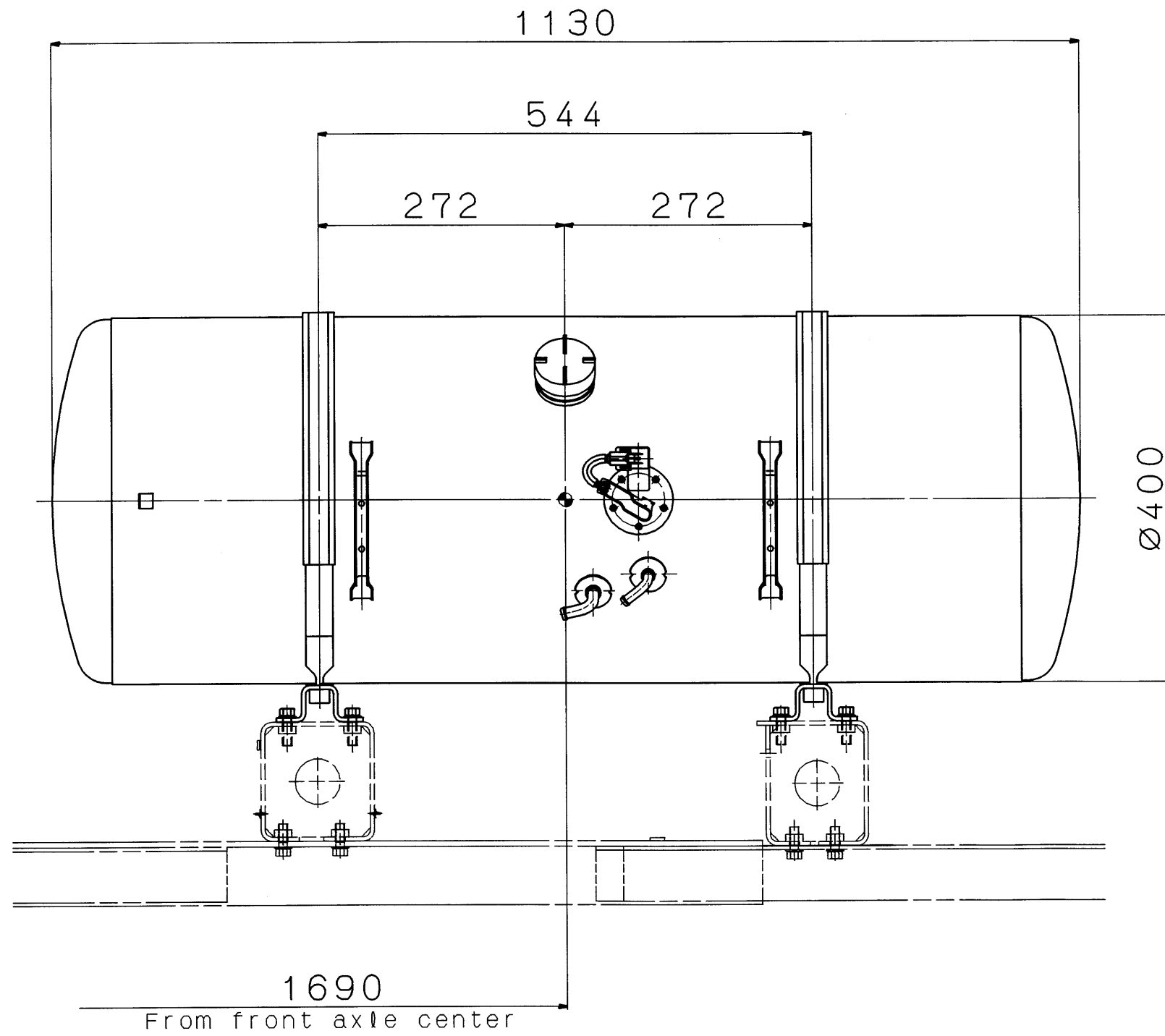
### 12.1 FE Series (except FE84DHW)



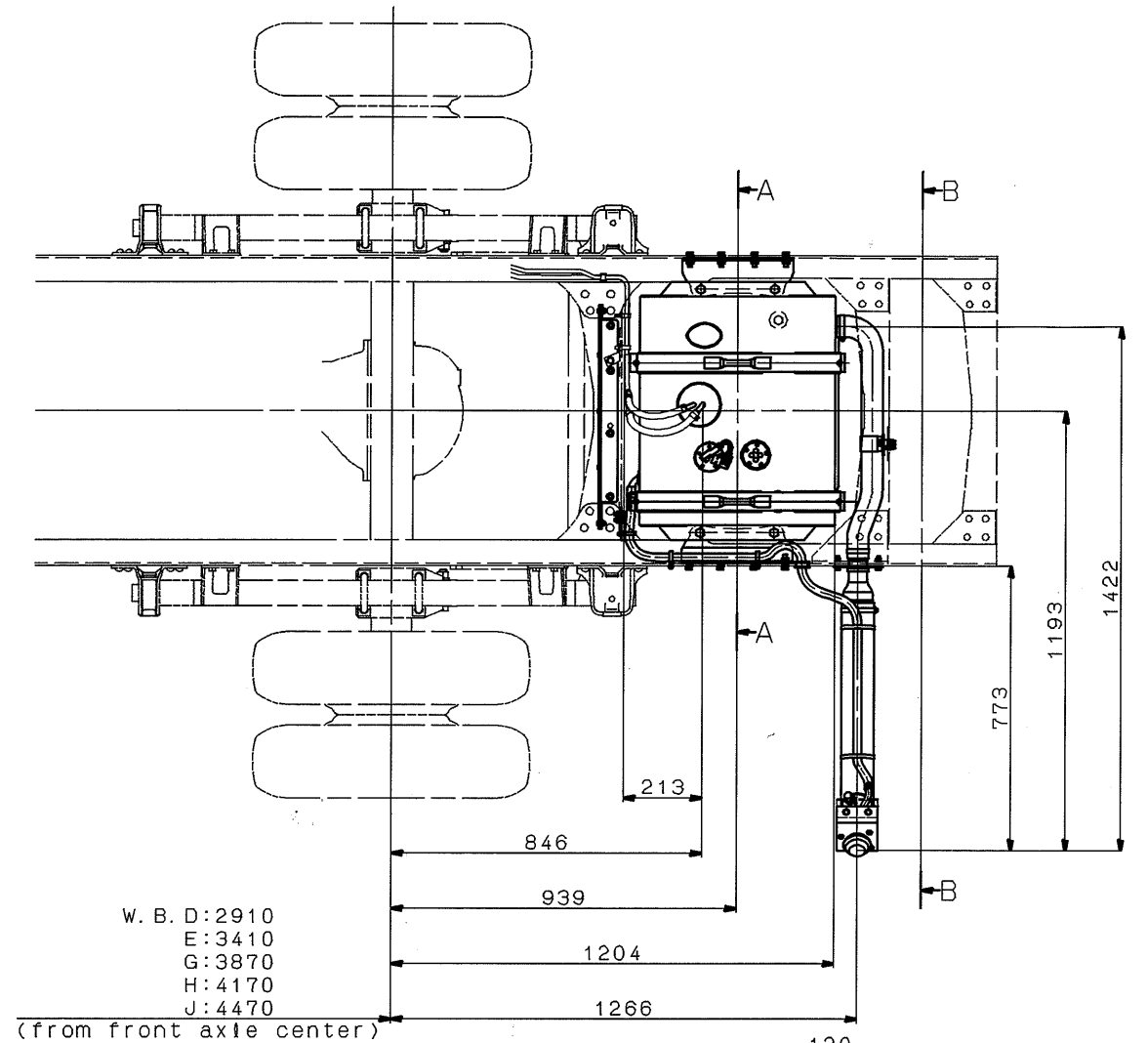
# 12.2 FE84DHW



### 12.3 FG Series

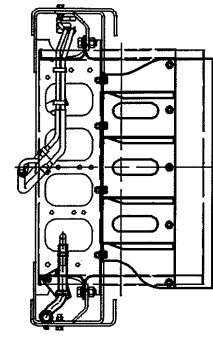
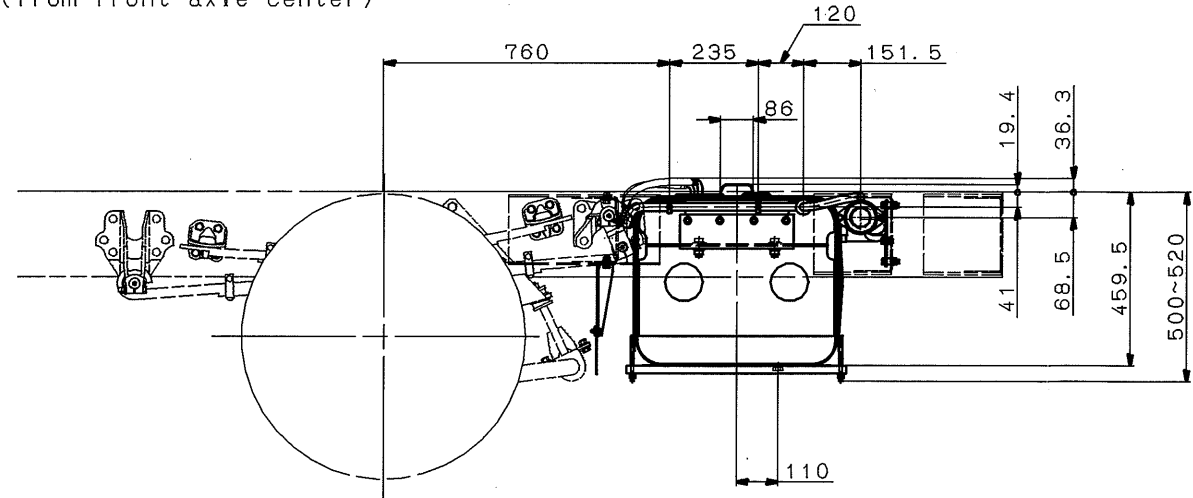


# 12.4 FE Series (Rear fuel tank)

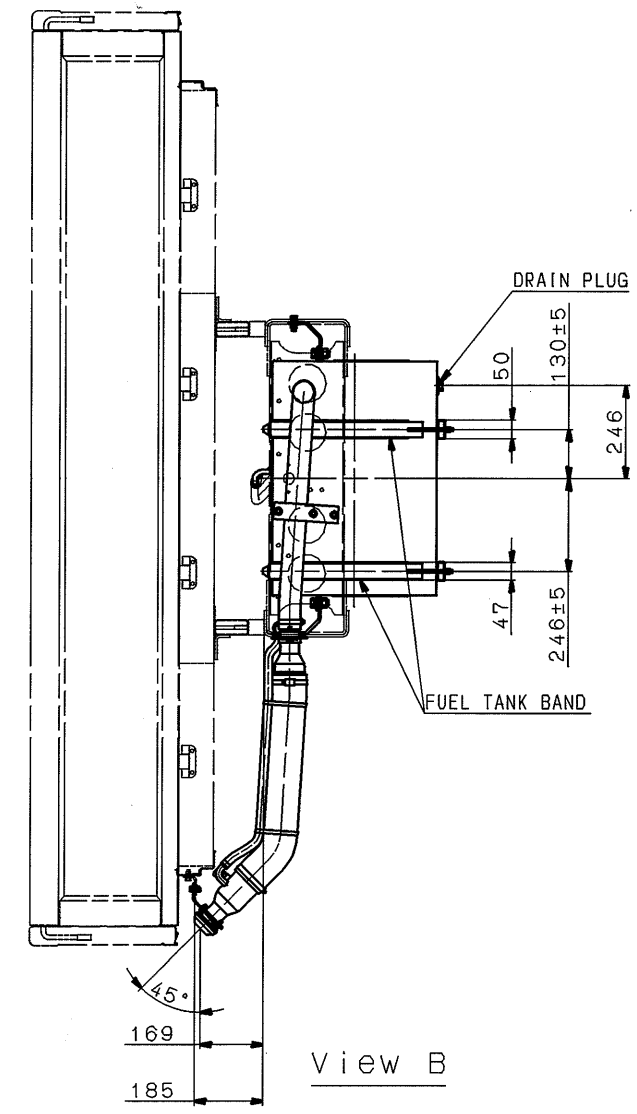


W. B. D: 2910  
 E: 3410  
 G: 3870  
 H: 4170  
 J: 4470

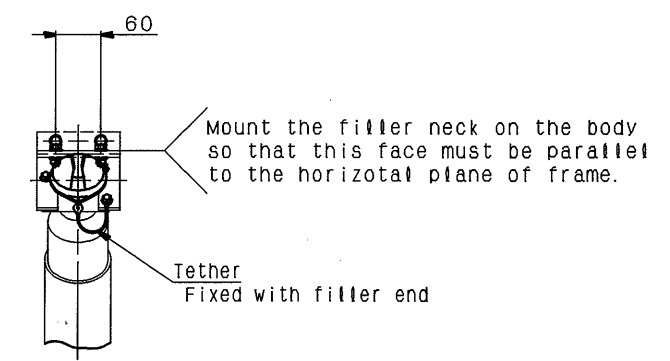
(from front axle center)



View A

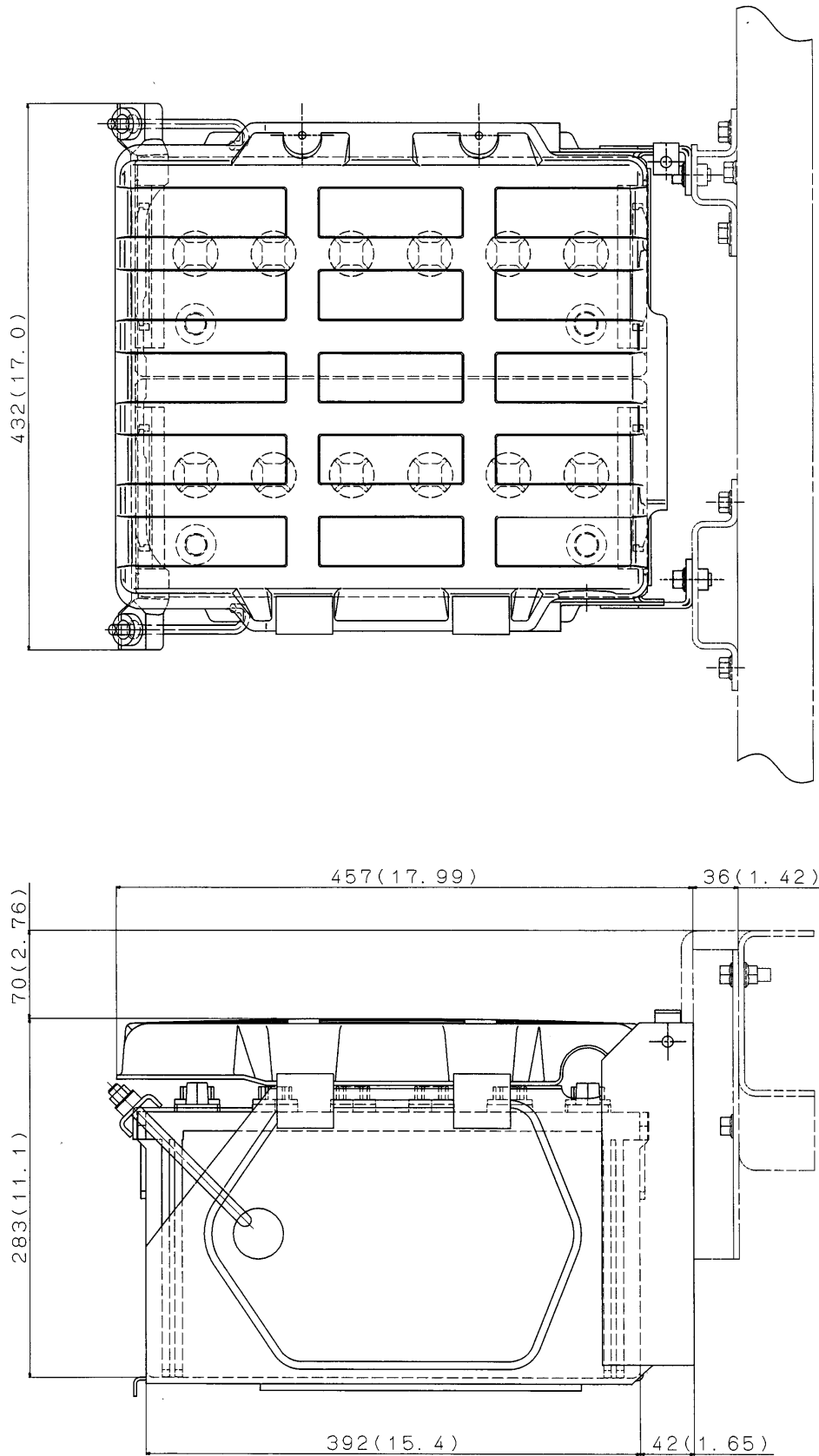


View B



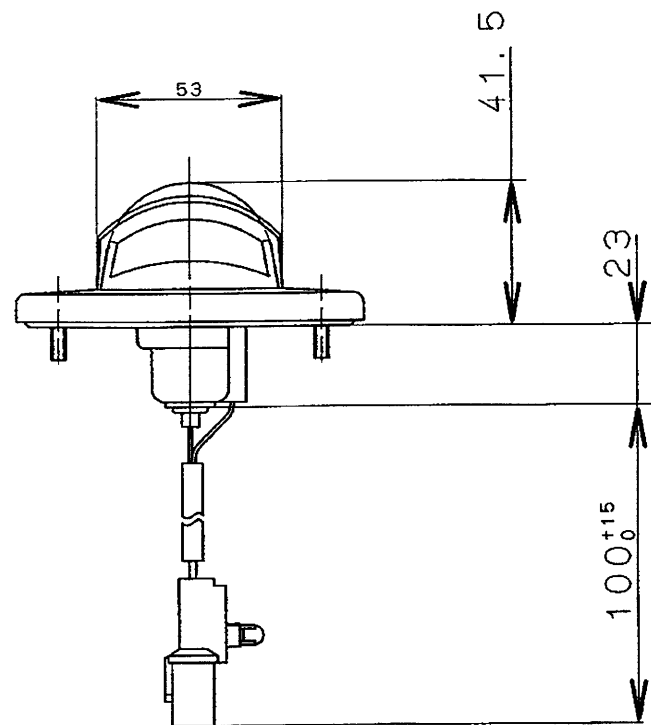
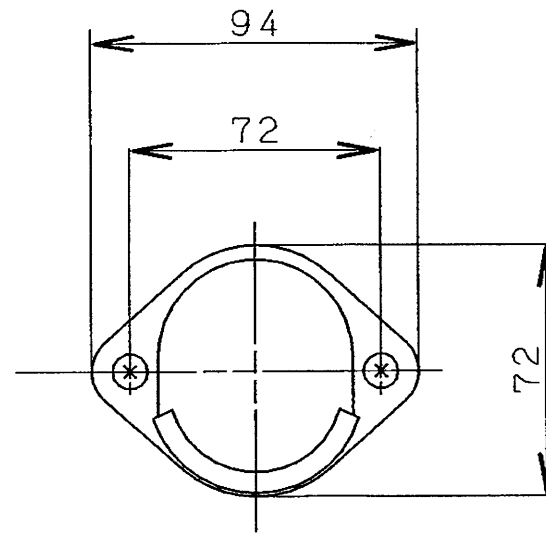
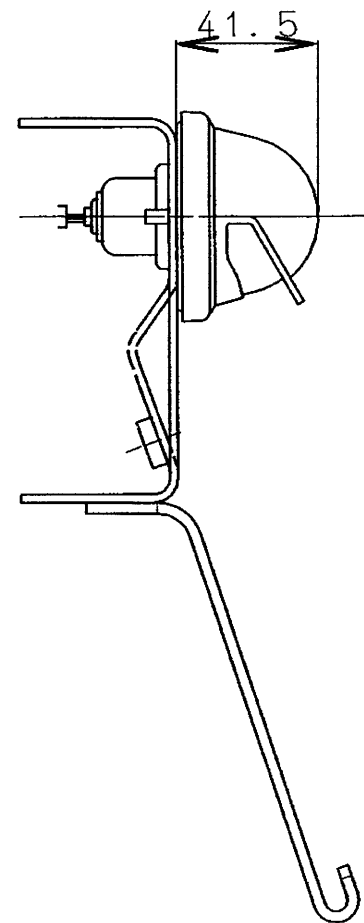
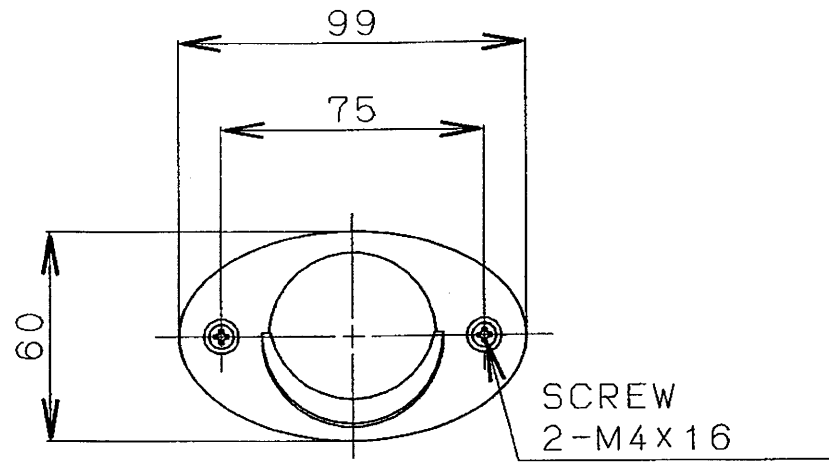
Detail Filler Opening

# 13. BATTERY BOX

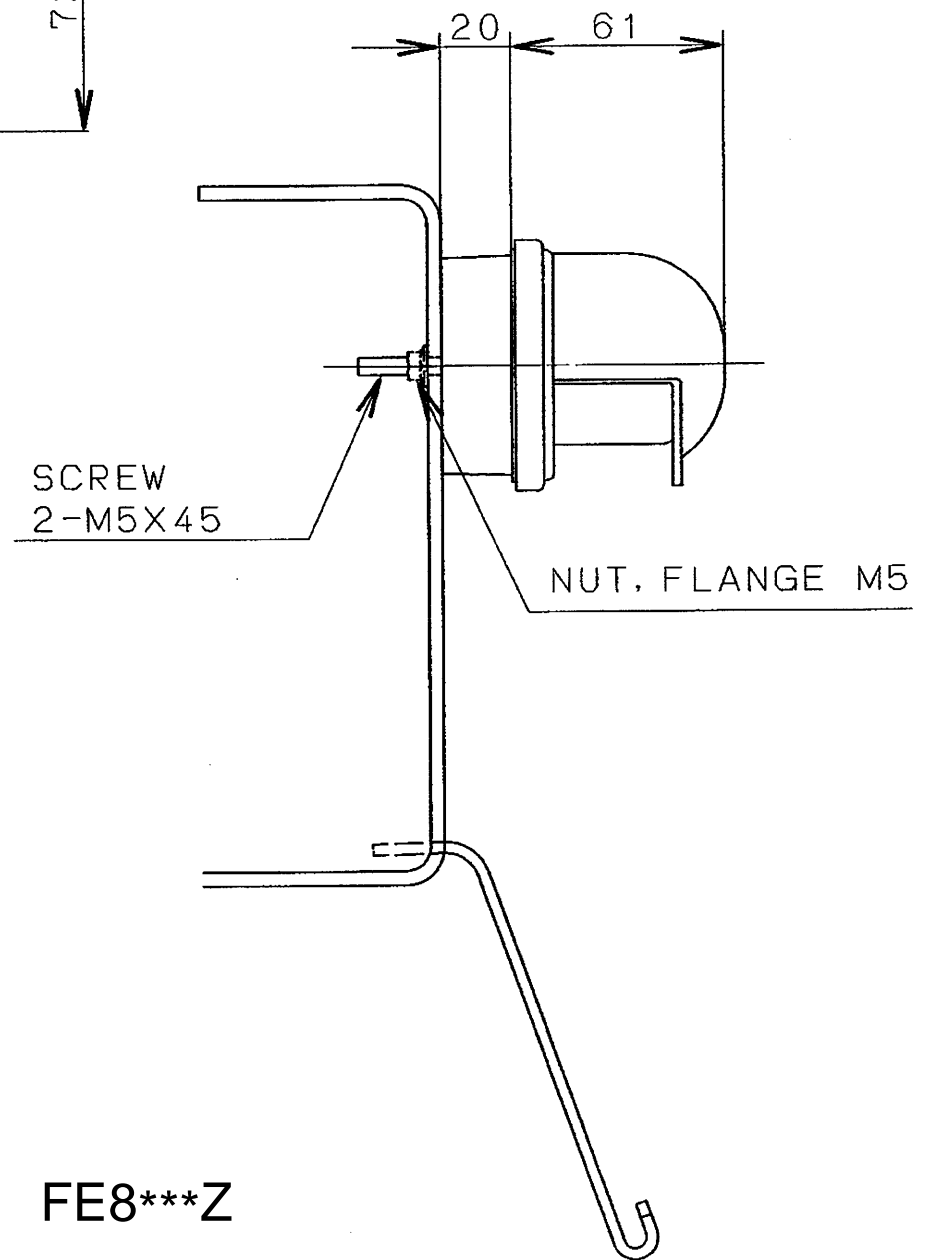
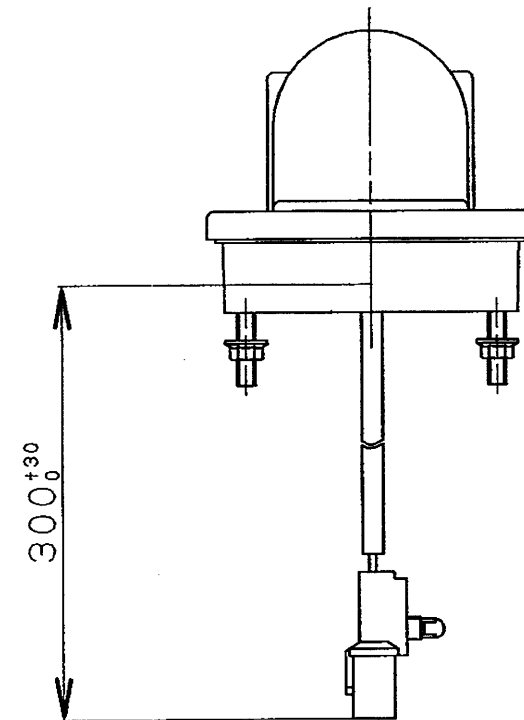


UNIT : mm (in.)

# 14. LICENSE PLATE LAMP

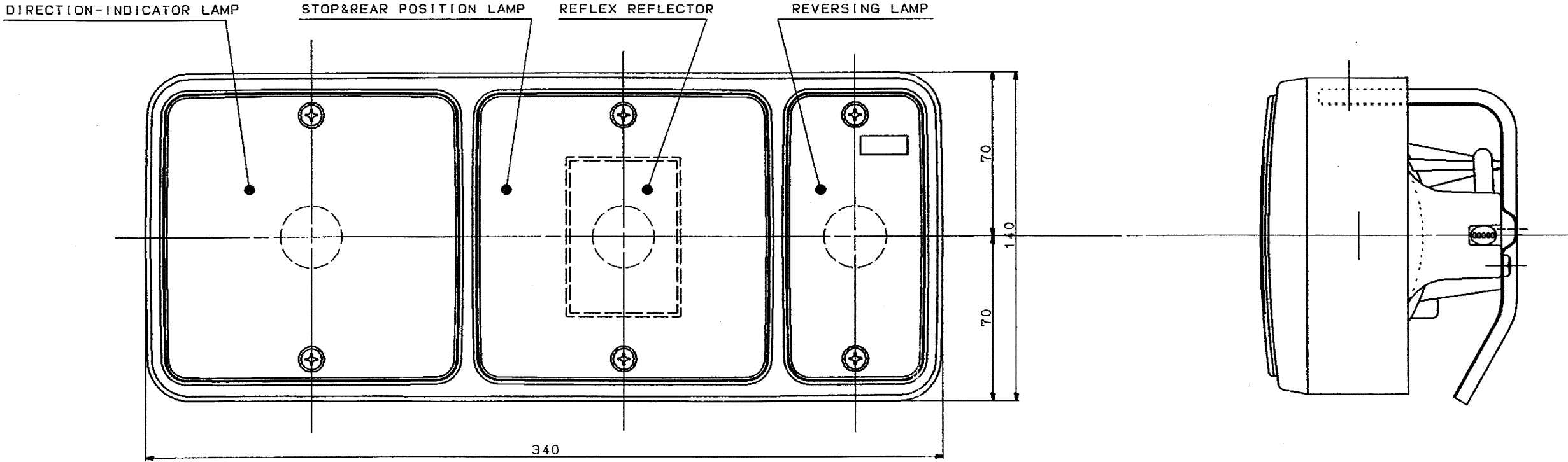
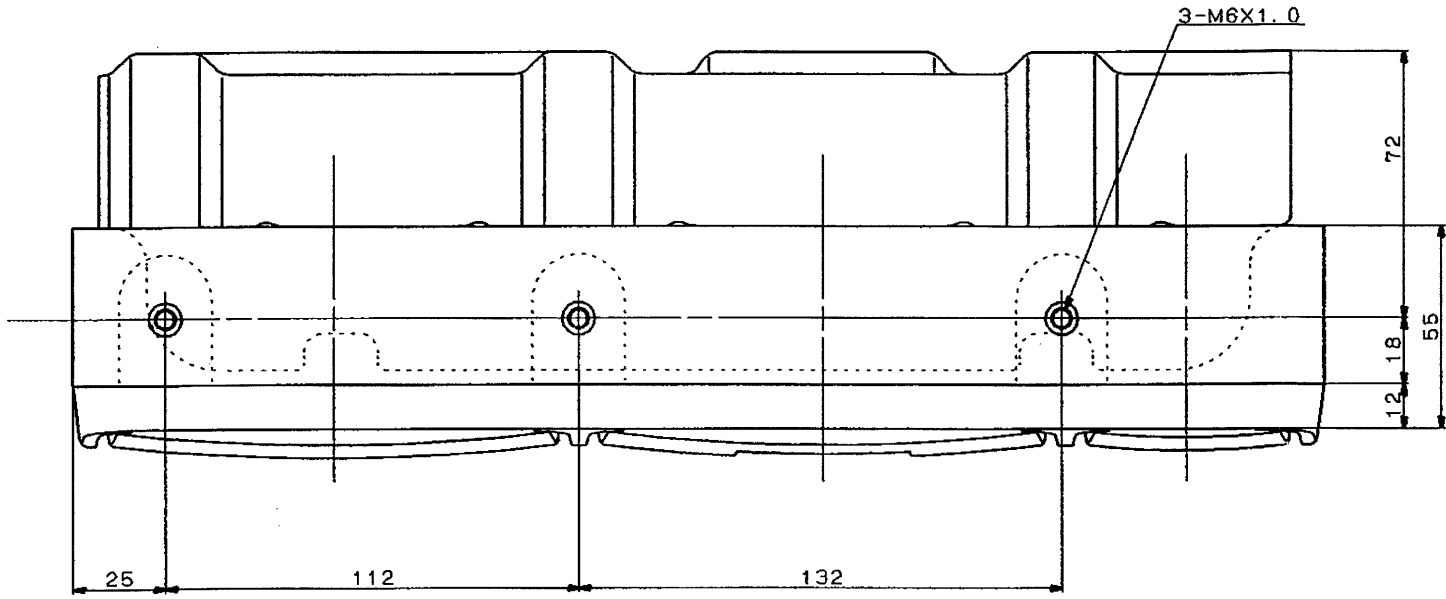


FE84DHW  
FG84D



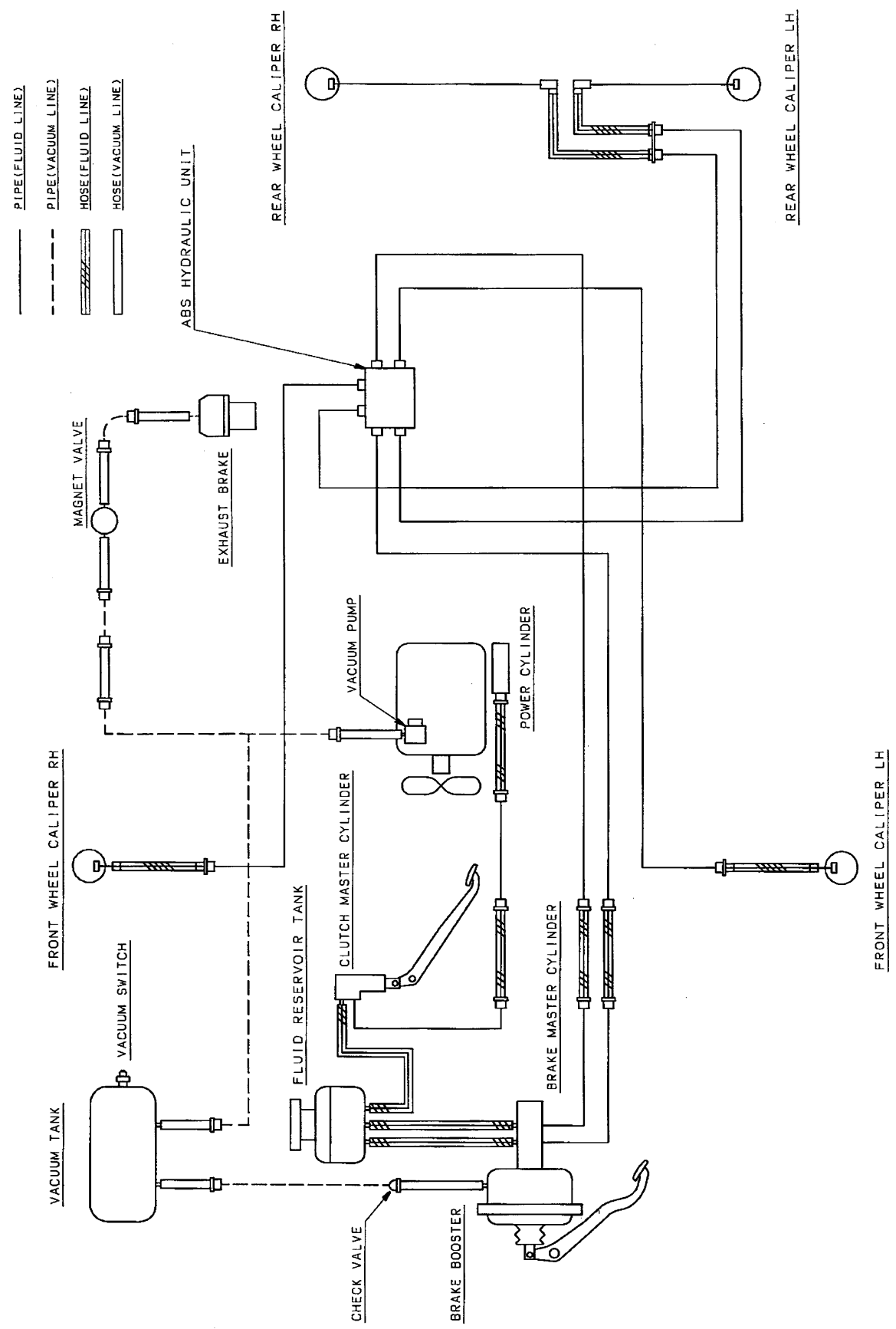
FE8\*\*\*Z

15. REAR COMBINATION LAMP

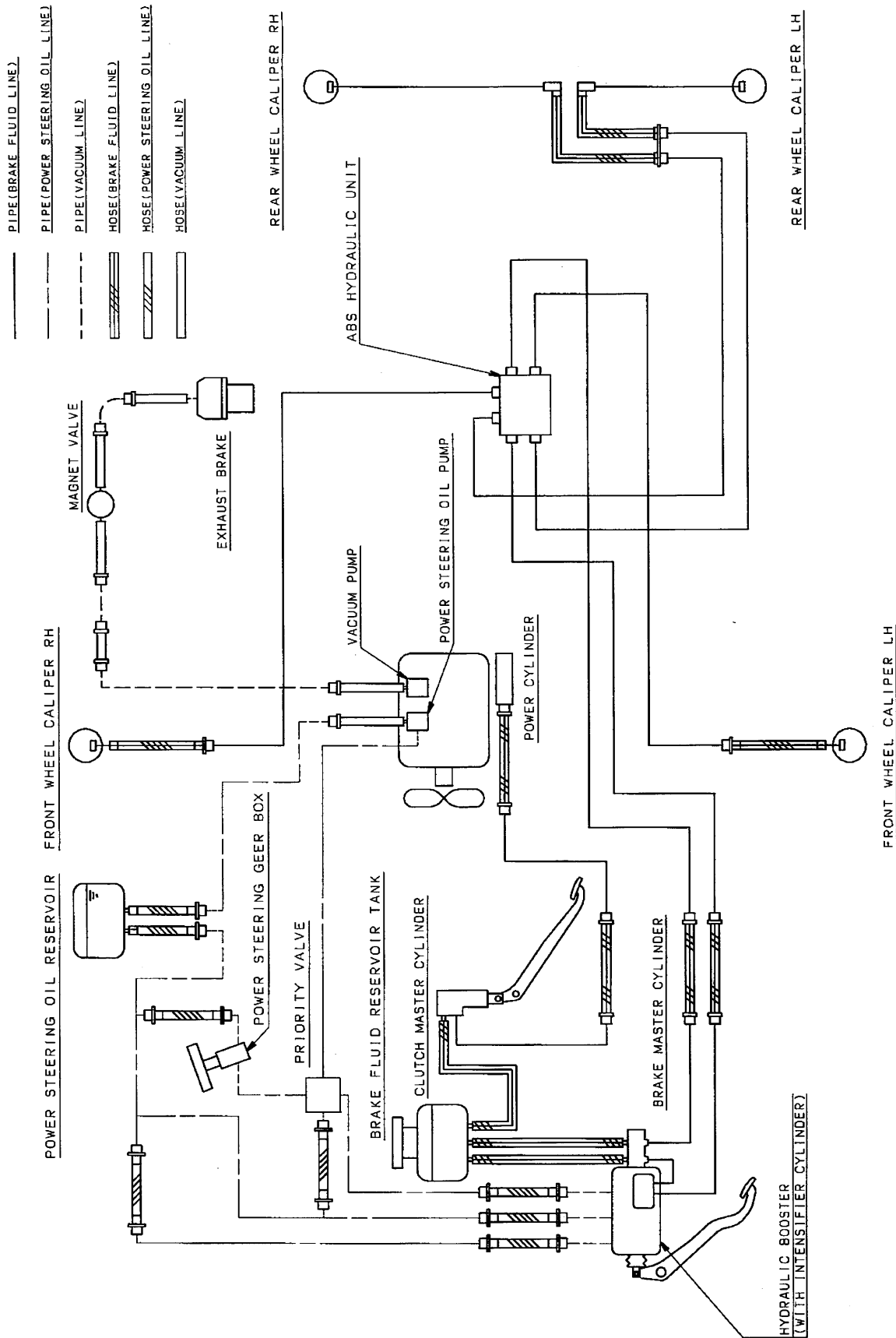


# 16. BRAKES PIPING DIAGRAM

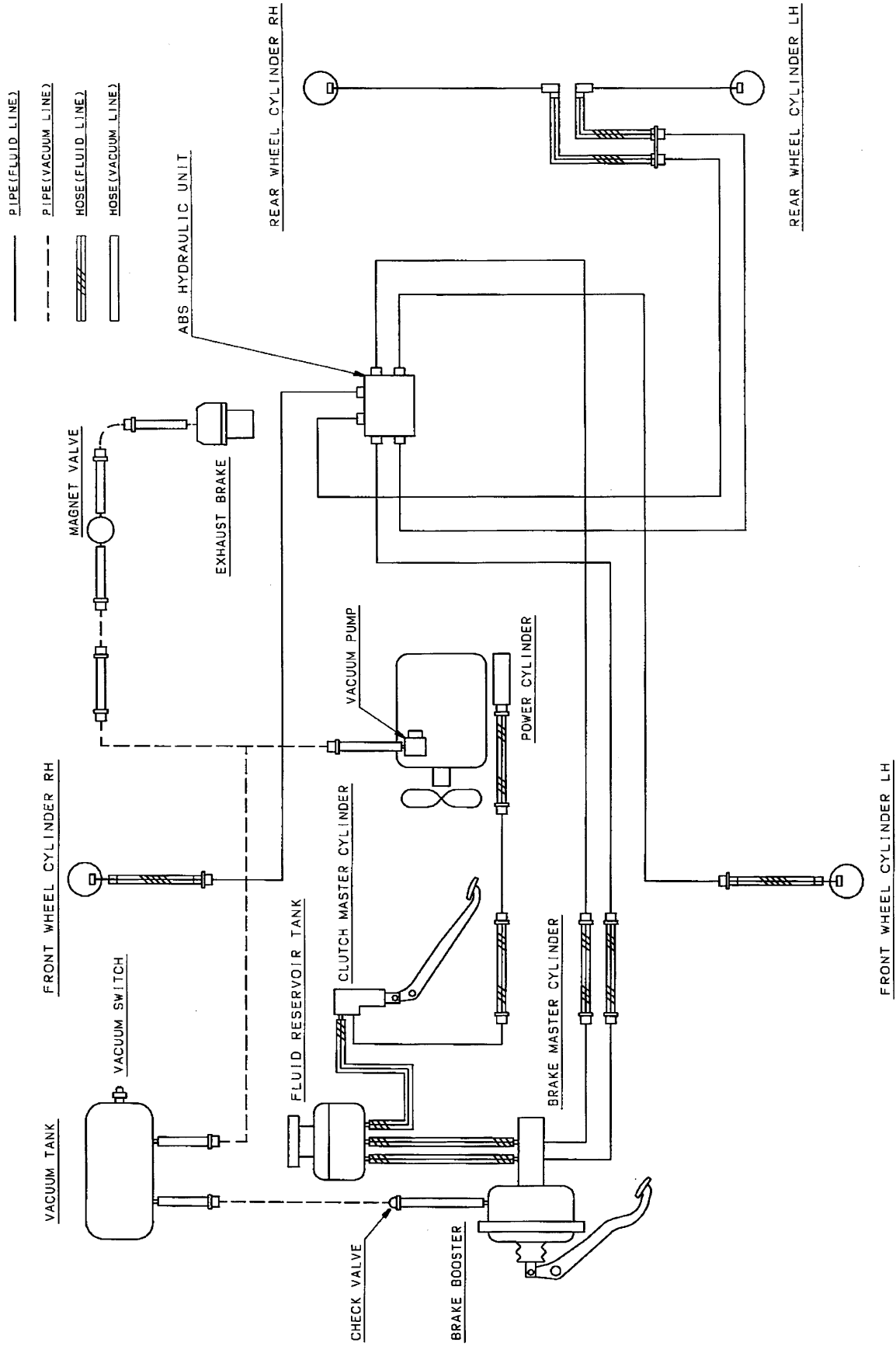
## 16.1 FE83D, FE84D



# 16.2 FE85D



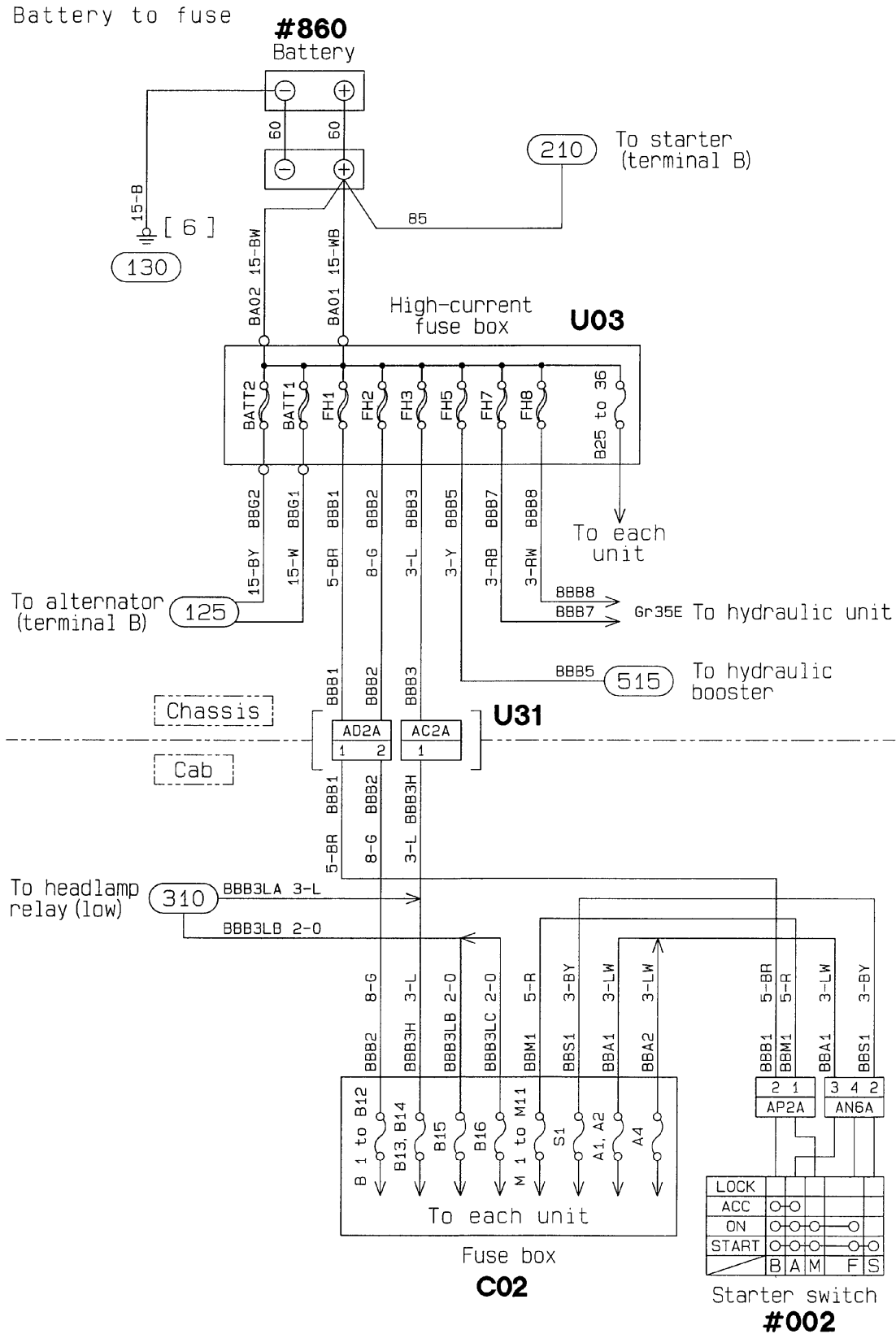
# 16.3 FG84D



# 17. ELECTRIC CIRCUIT DIAGRAM

## 17.1 POWER, CHARGE AND GROUND CIRCUIT

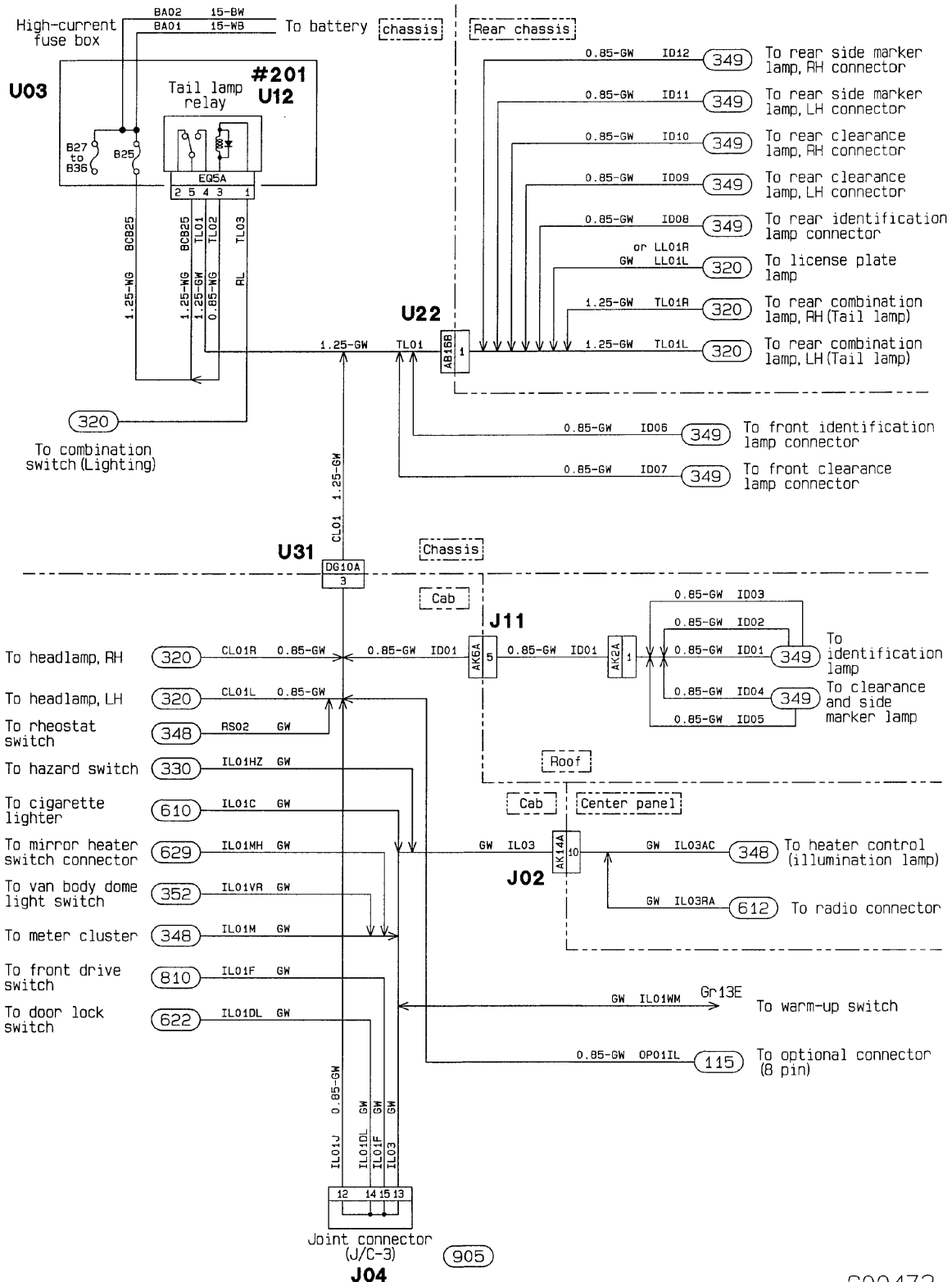
### (110) POWER CIRCUIT



C00467

# 110 POWER CIRCUIT

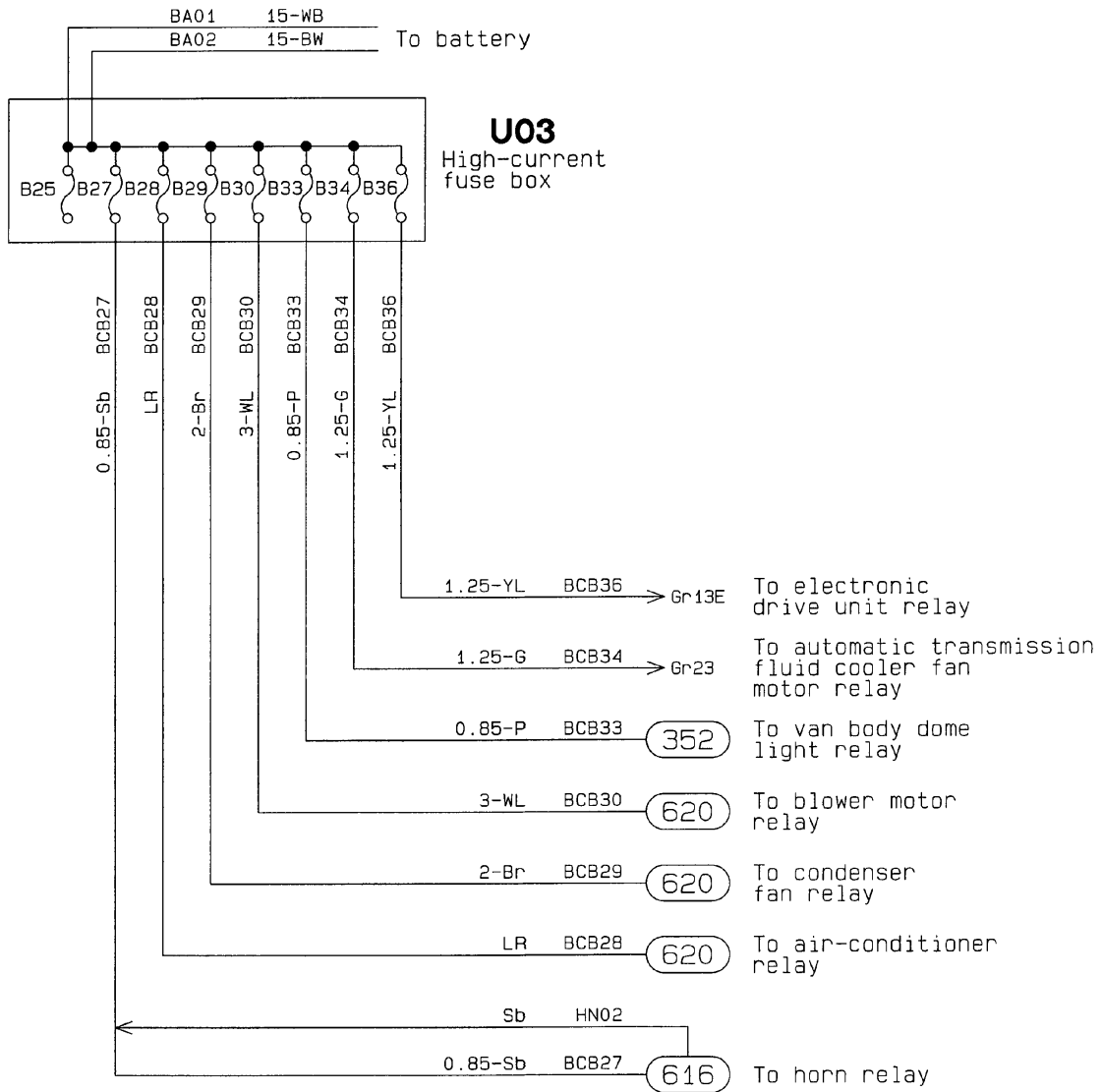
High-current fuse box  
(Fuse B25)



C00472

**110 POWER CIRCUIT**

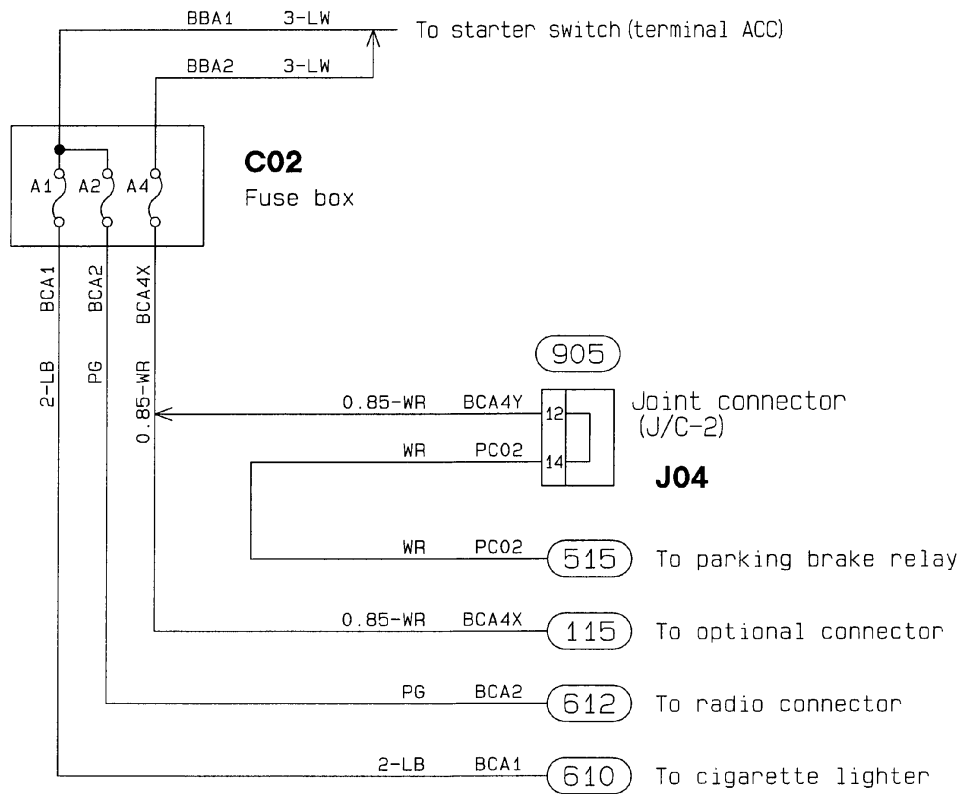
High-current fuse box  
(Fuse B27 to B36)



C00473

**110 POWER CIRCUIT**

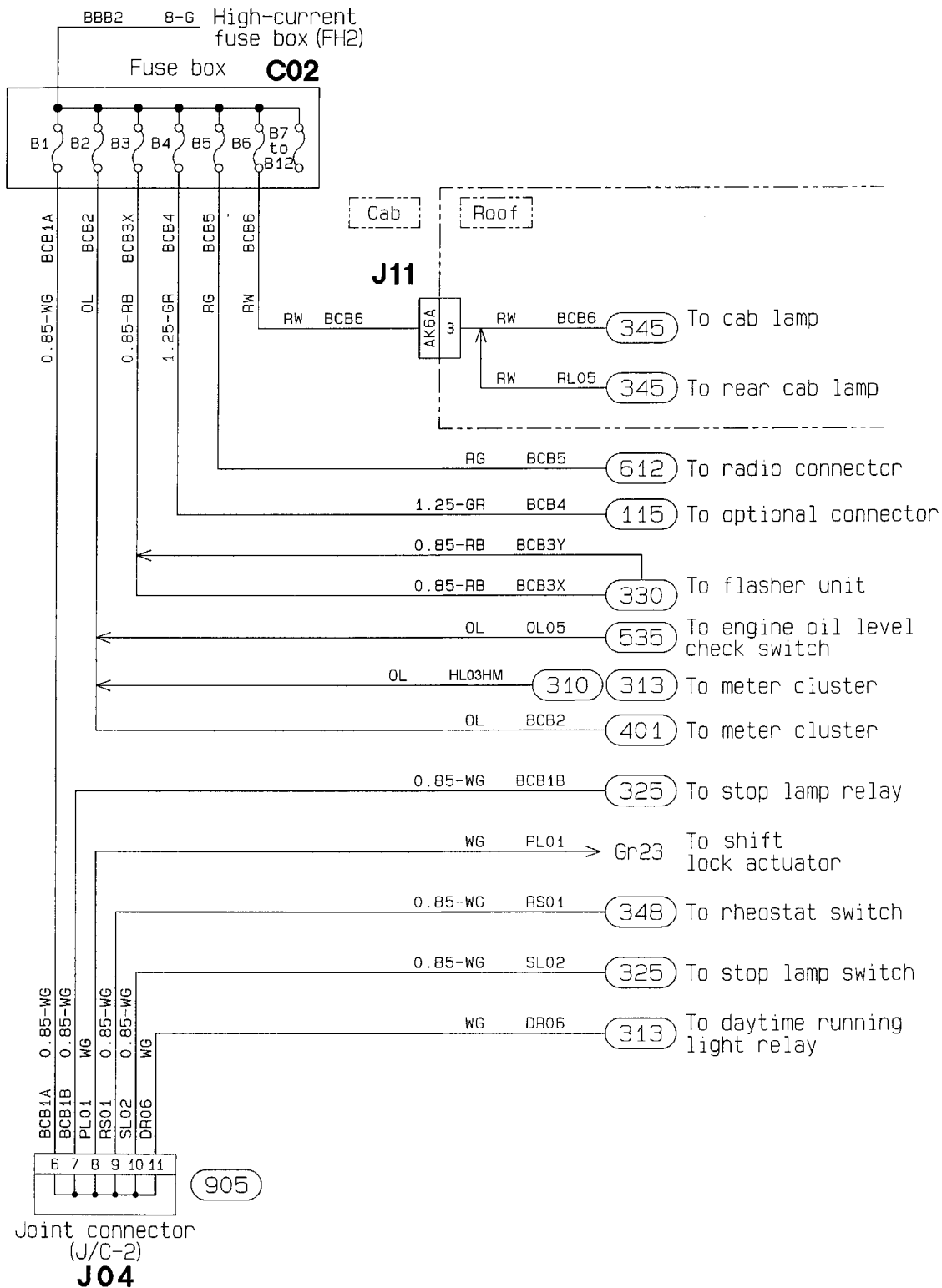
Fuse box  
(Fuse A1 to A4)



C00469

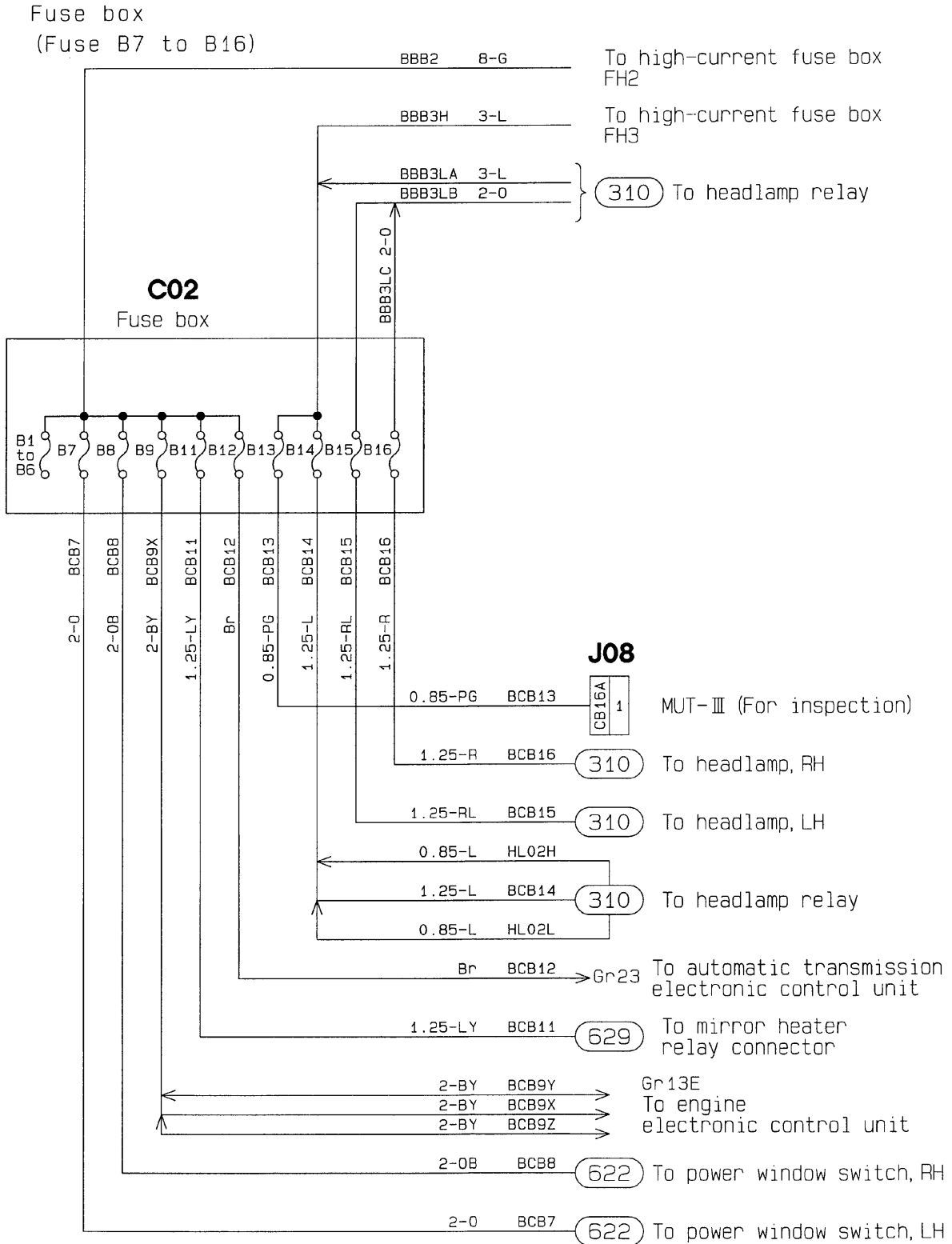
**110 POWER CIRCUIT**

Fuse box  
(Fuse B1 to B6)



C00470

**110 POWER CIRCUIT**

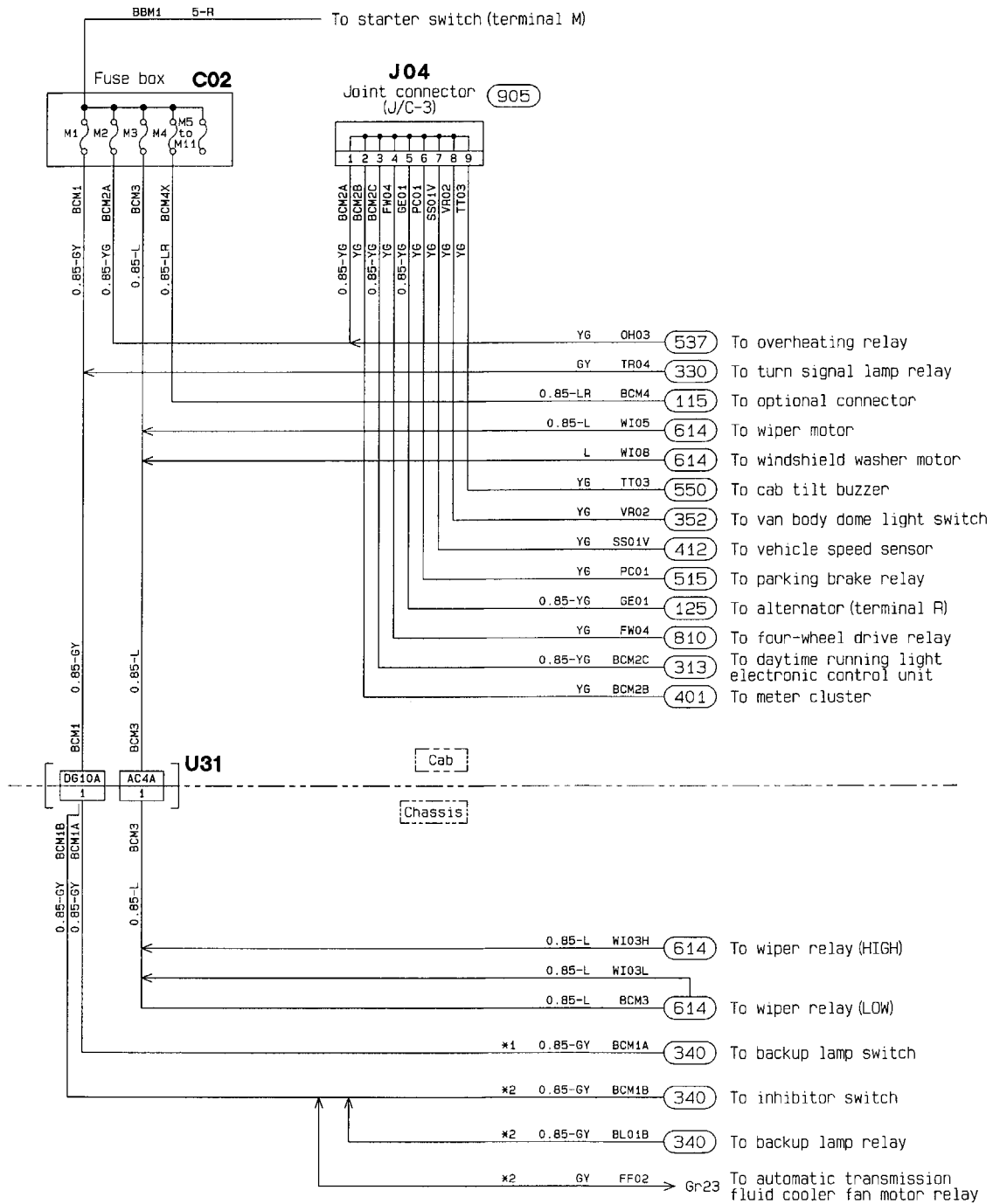


MUT : Multi-use tester

C00471

# 110 POWER CIRCUIT

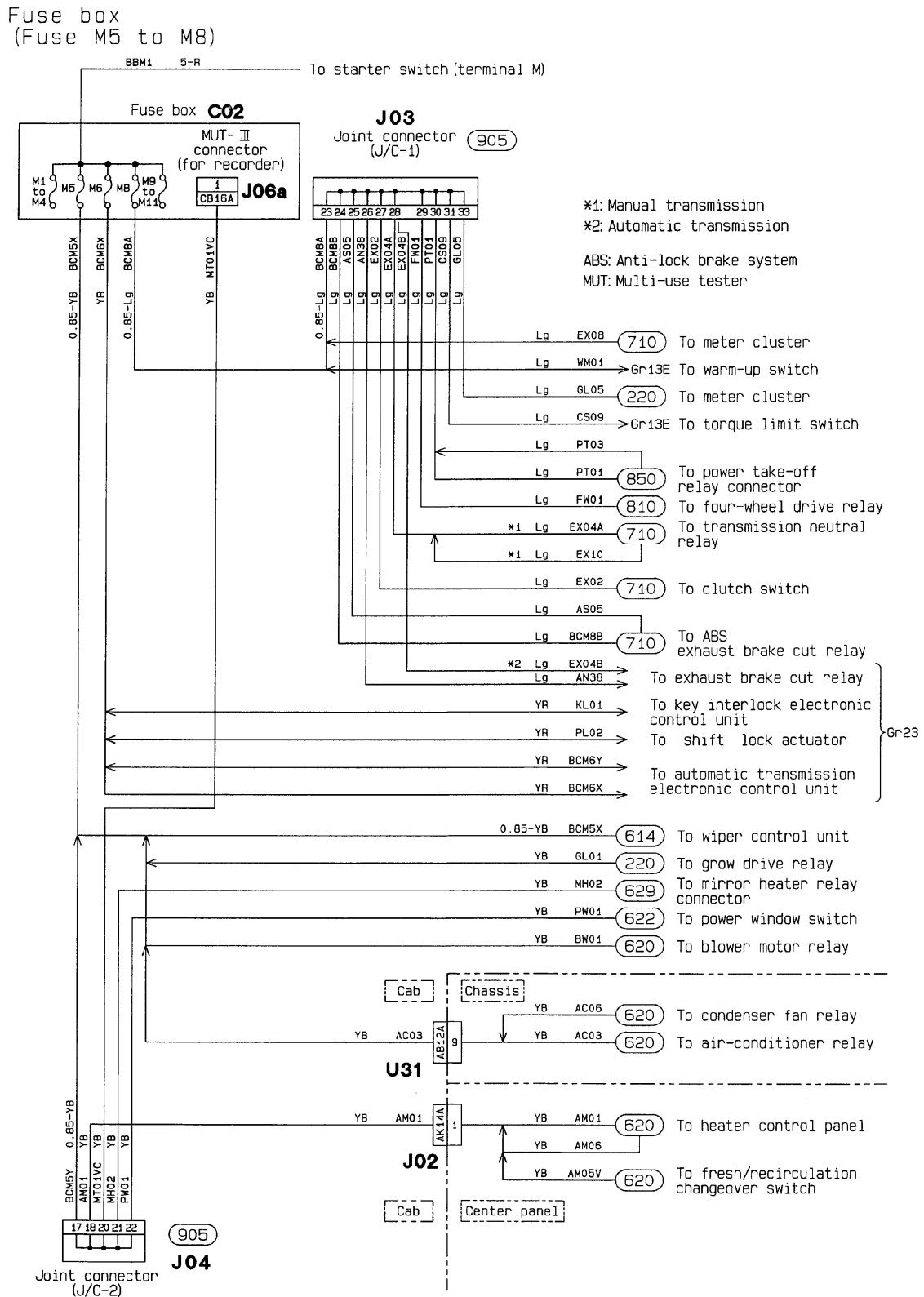
Fuse box  
(Fuse M1 to M4)



\*1 : Manual transmission  
\*2 : Automatic transmission

C00474

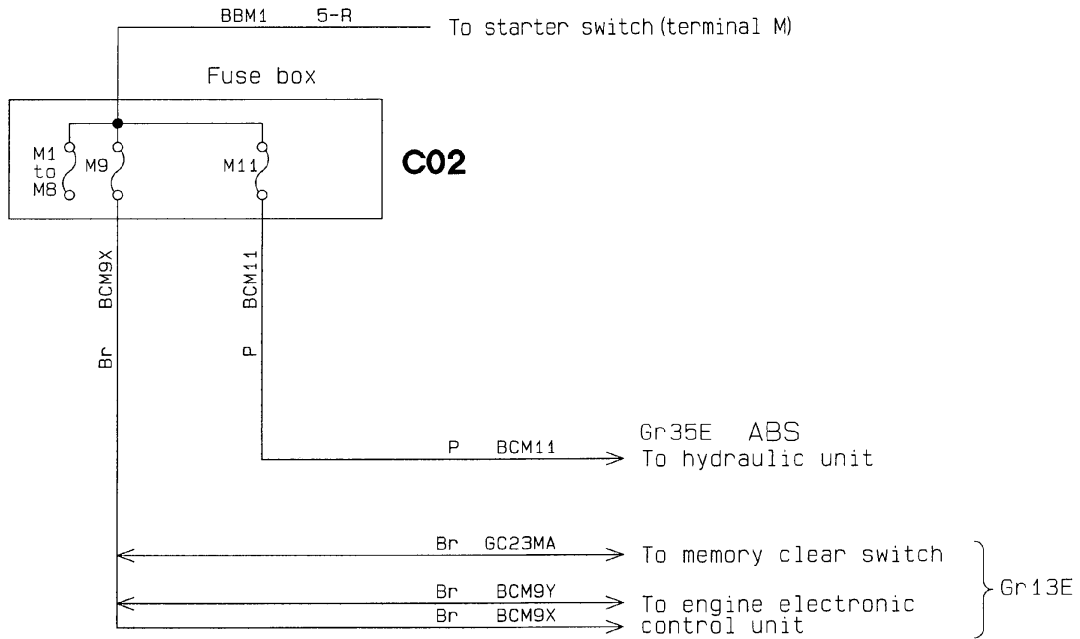
# 110 POWER CIRCUIT



C00475

**110 POWER CIRCUIT**

Fuse box  
(Fuse M9 to M11)

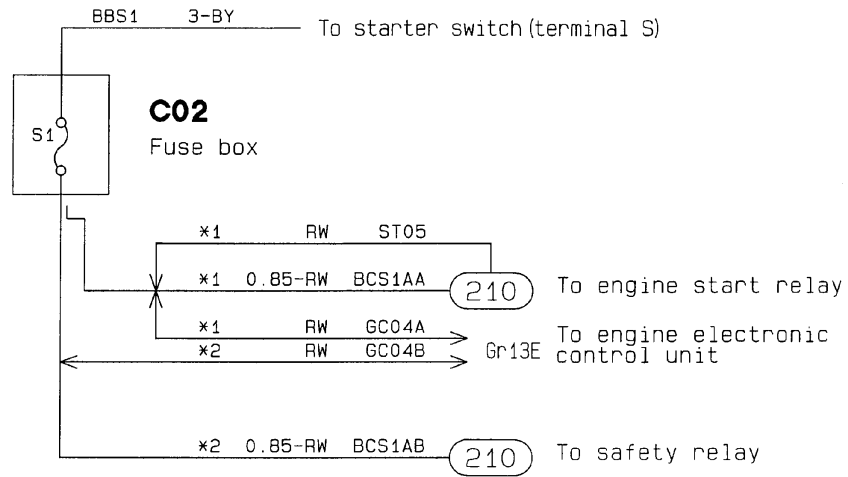


ABS: Anti-lock brake system

C00476

**110 POWER CIRCUIT**

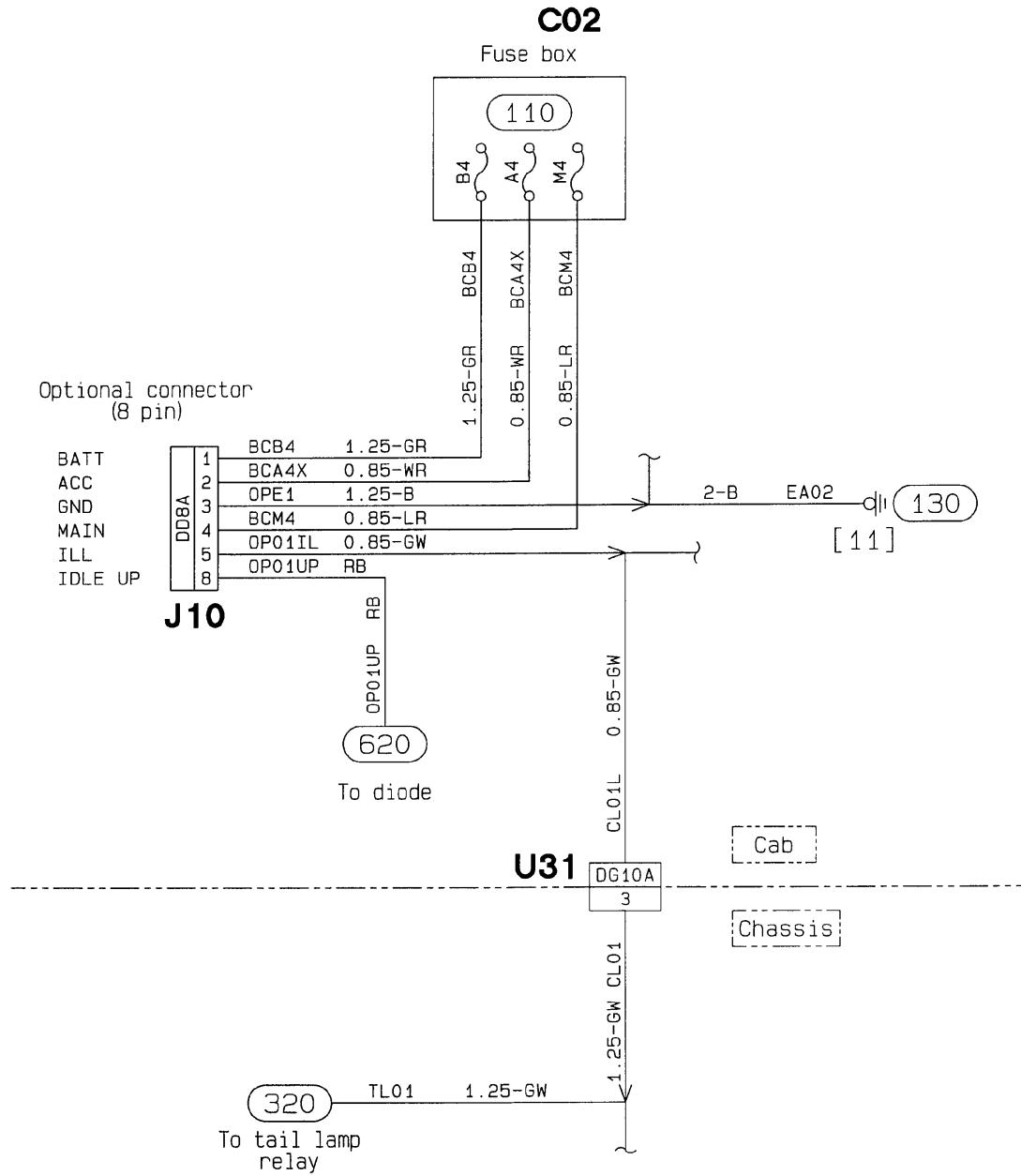
Fuse box  
(Fuses S1)



\*1 : Manual transmission  
\*2 : Automatic transmission

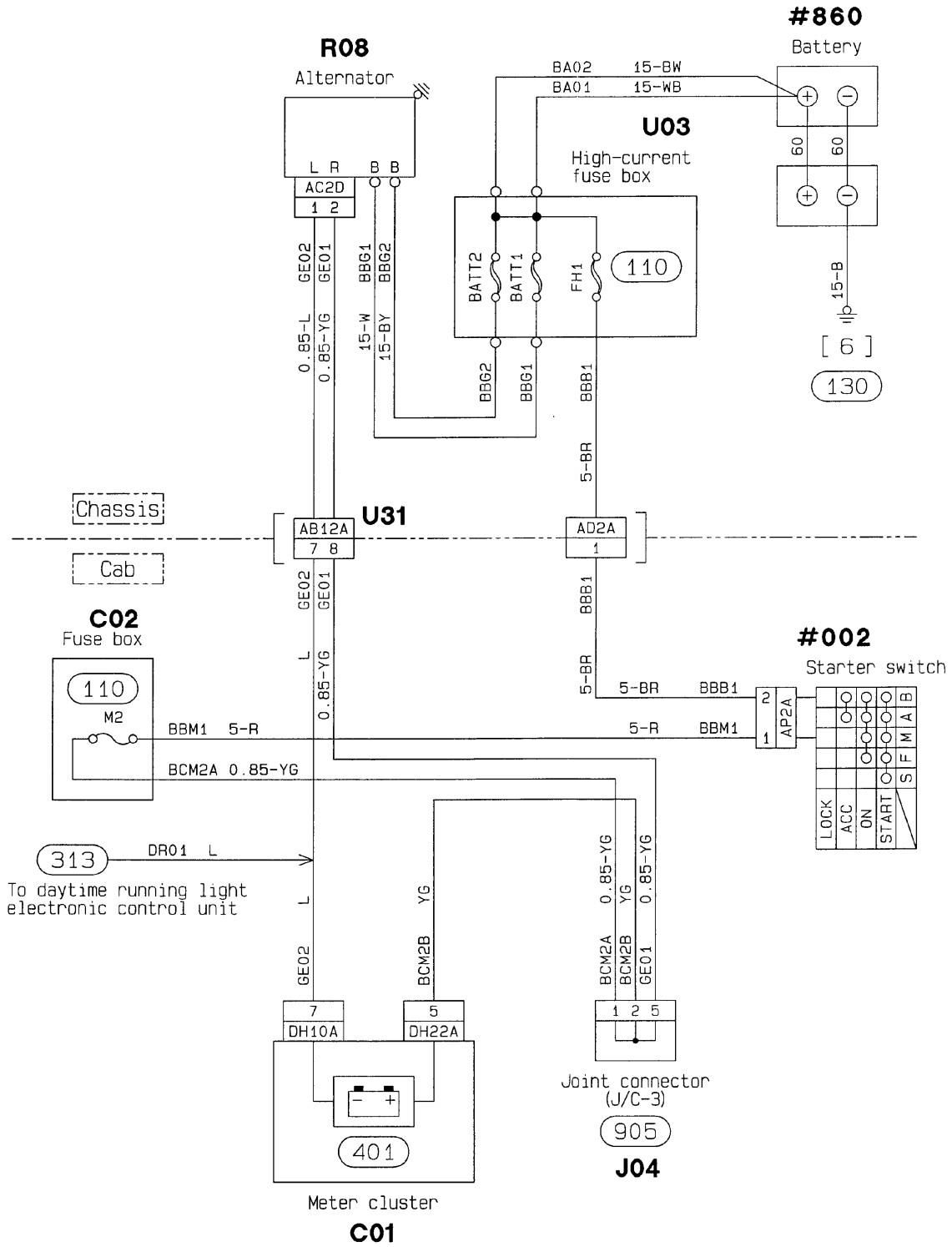
C00468

**115 RESERVE POWER CIRCUIT**



C00477

# 125 BATTERY CHARGING CIRCUIT

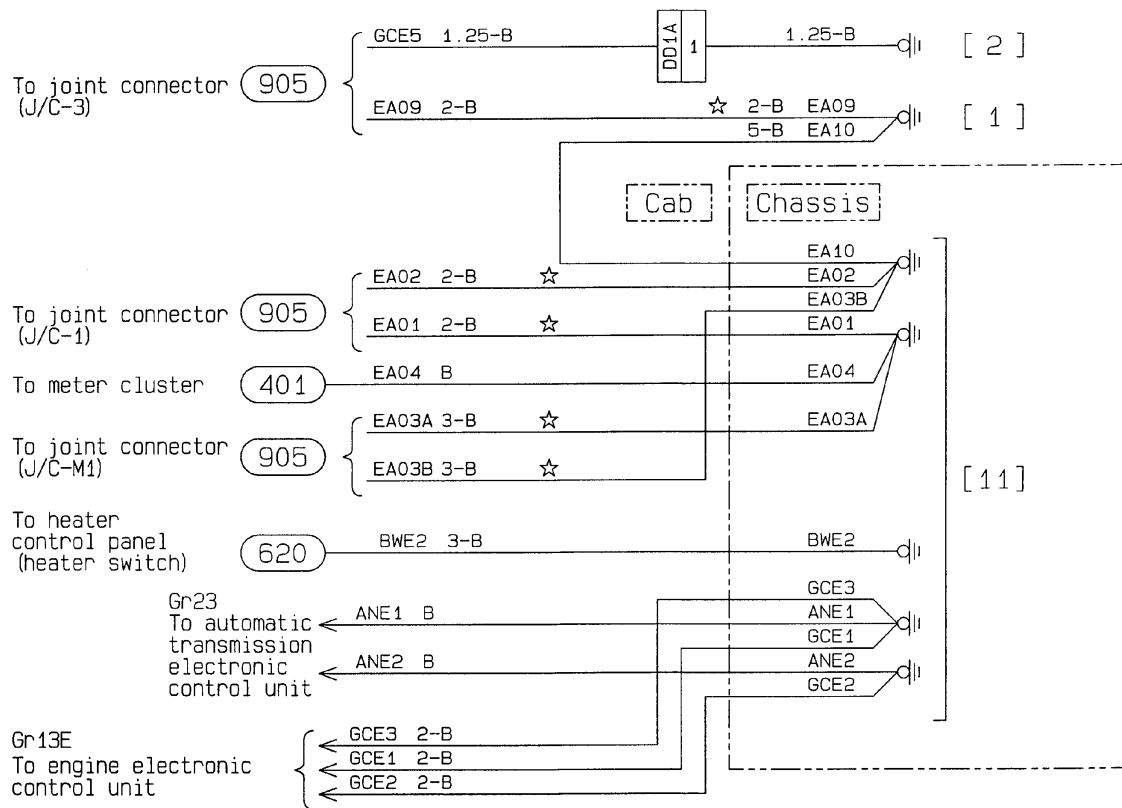


C00478

# 130 GROUND

Entire ground

- This diagram indicates grounding points.
- See the following pages for branching of grounding (wiring for ☆).  
(in circuit No.order)

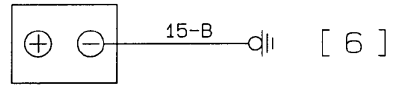


C00479-1

**130 GROUND**

**#860**

Battery



To horn circuit 616 HNE1 2-B HNE1 [ 5 ]

To hydraulic unit ABS Gr35E { ASE1 3-B ASE1  
ASE2 3-B ASE2 [ 10 ]

To JOINT 1 EA11 2-B ☆ EA11 [ 9 ]

To JOINT 2 EA12 1.25-B ☆ EA12

To JOINT 3 EA13 1.25-B ☆ EA13 [ 12 ]

To rear combination lamp, LH 320 EA14 2-B ☆ EA14

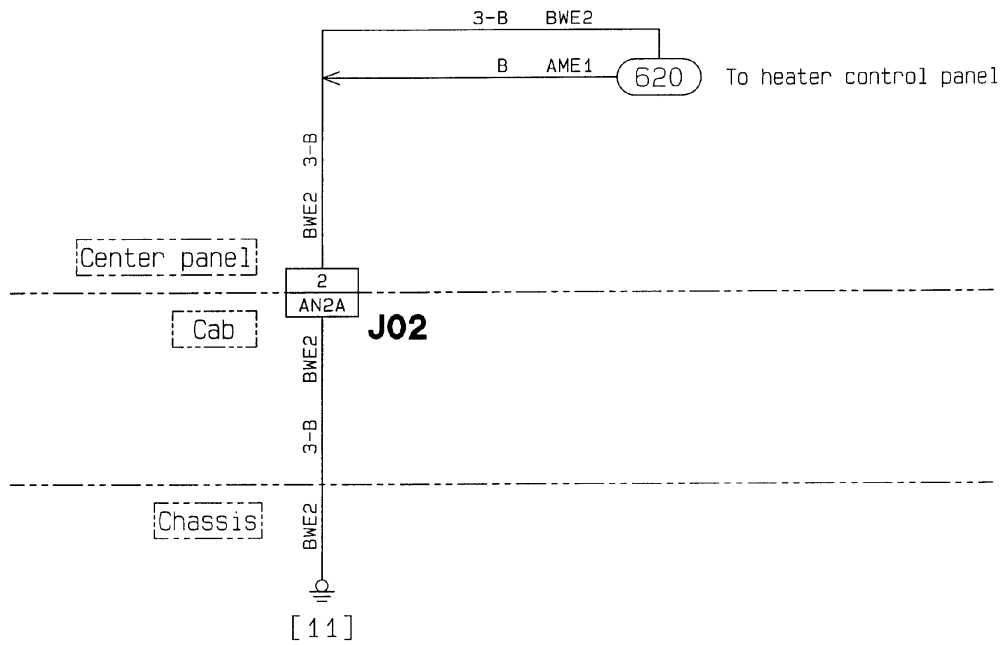
To JOINT 4 FWE1 0.85-B ☆ FWE1 [ 7 ]

ABS : Anti-lock brake system

C00479-2

**130** GROUND

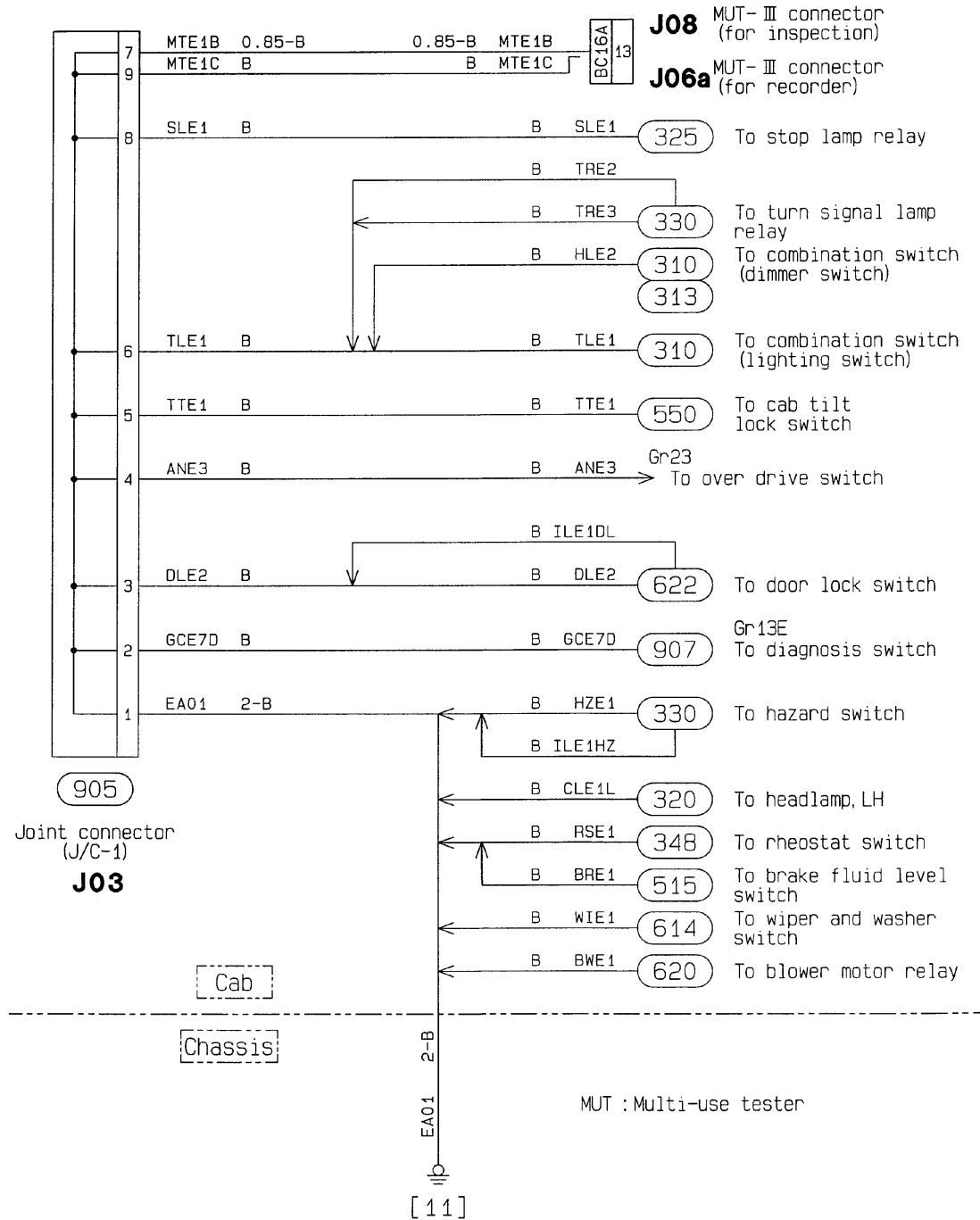
Circuit No. BWE2 chassis ground



C00480

**130 GROUND**

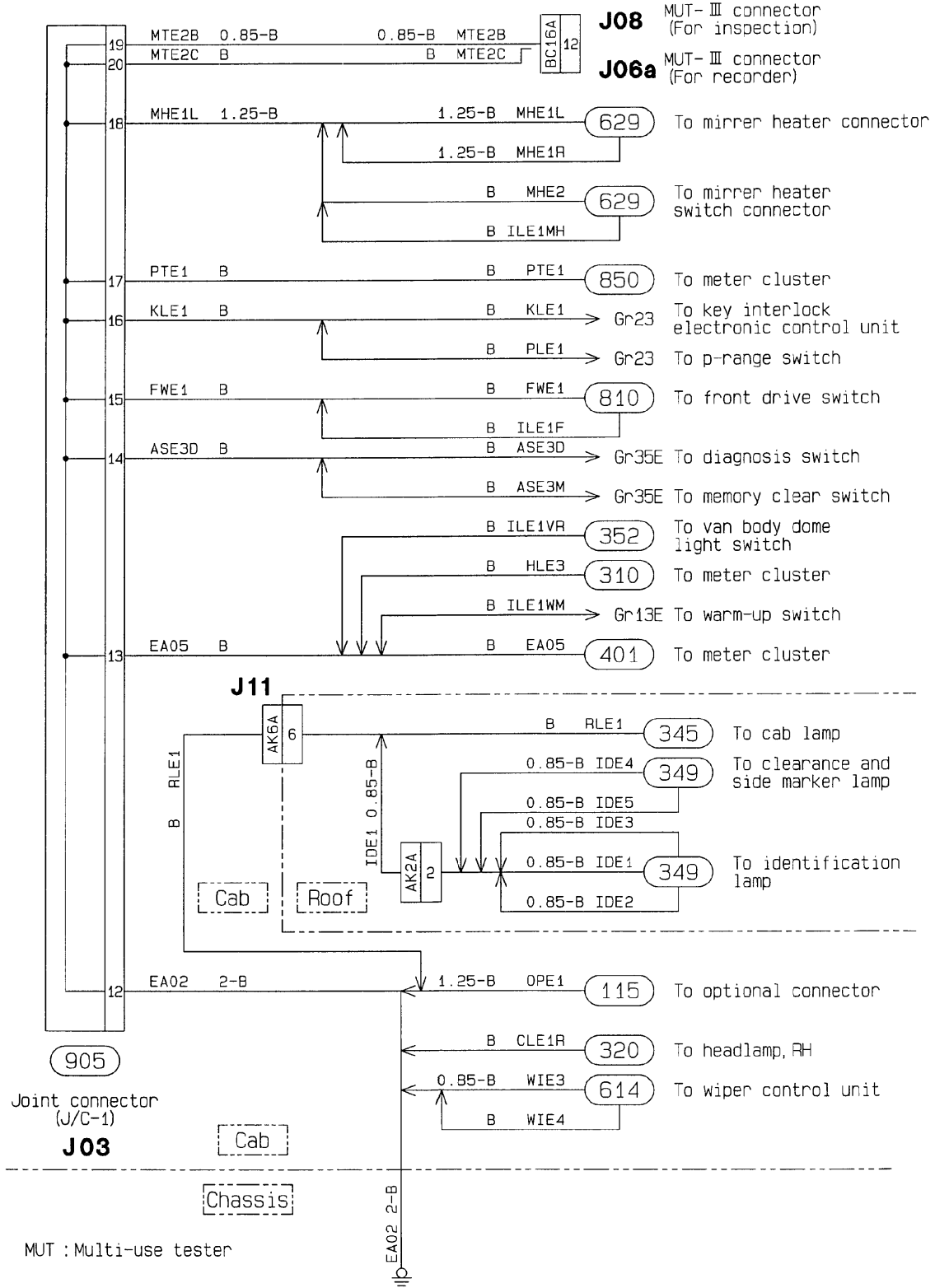
Circuit No.EA01 chassis ground



C00481

**130 GROUND**

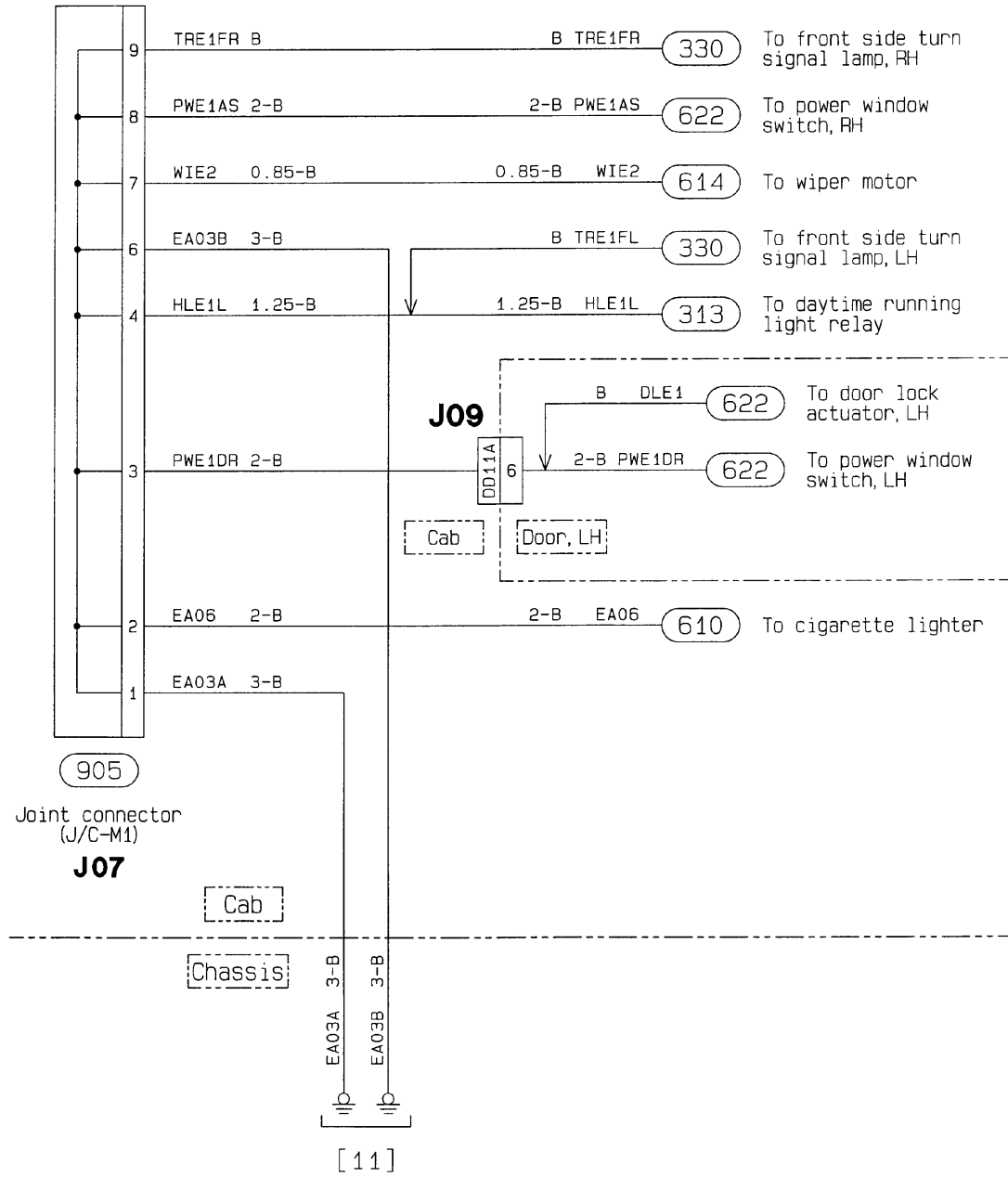
Circuit No. EA02 chassis ground



C00482

**130 GROUND**

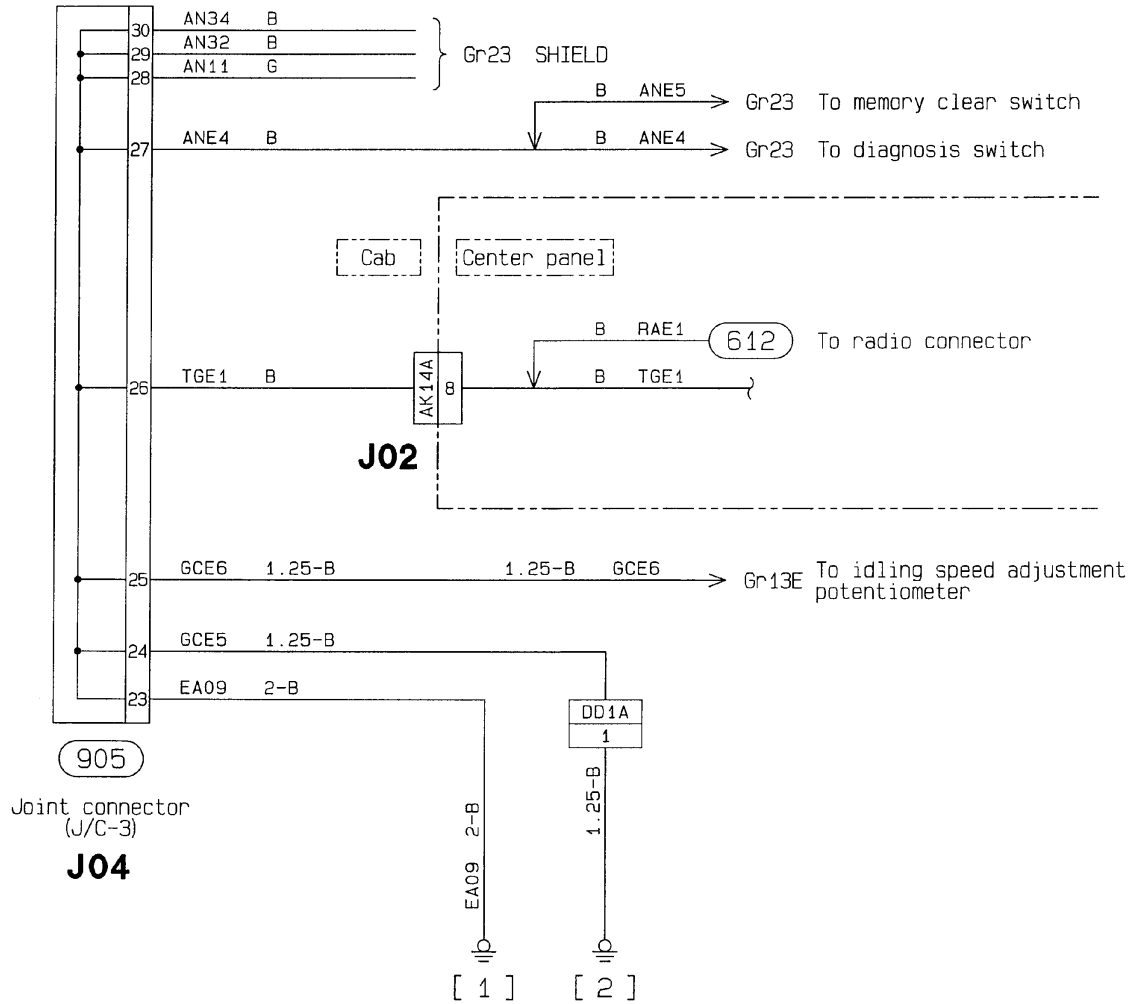
Circuit No. EA03A, EA03B chassis ground



C00483

**130 GROUND**

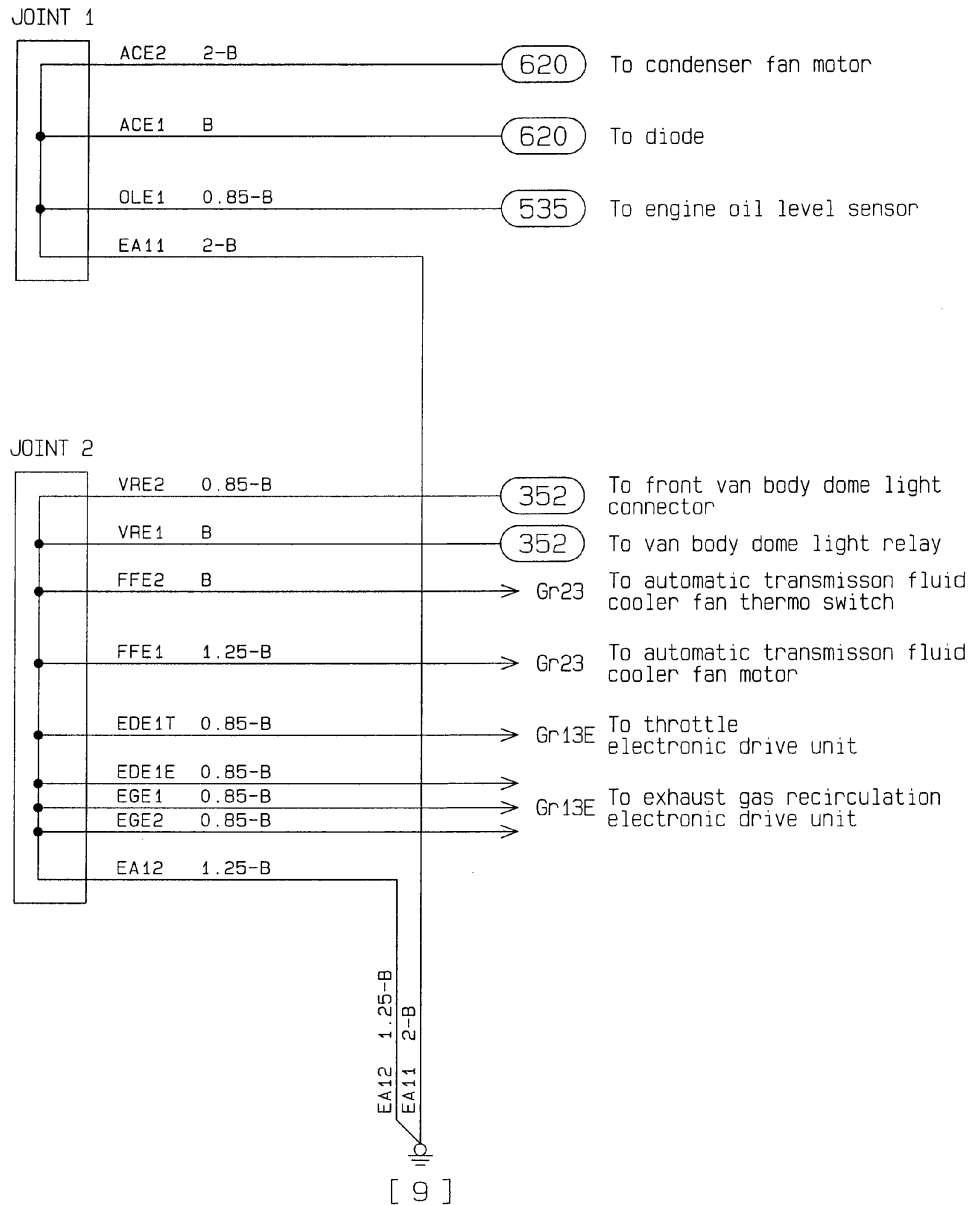
Circuit No. EA09 cab ground



C00484

**130 GROUND**

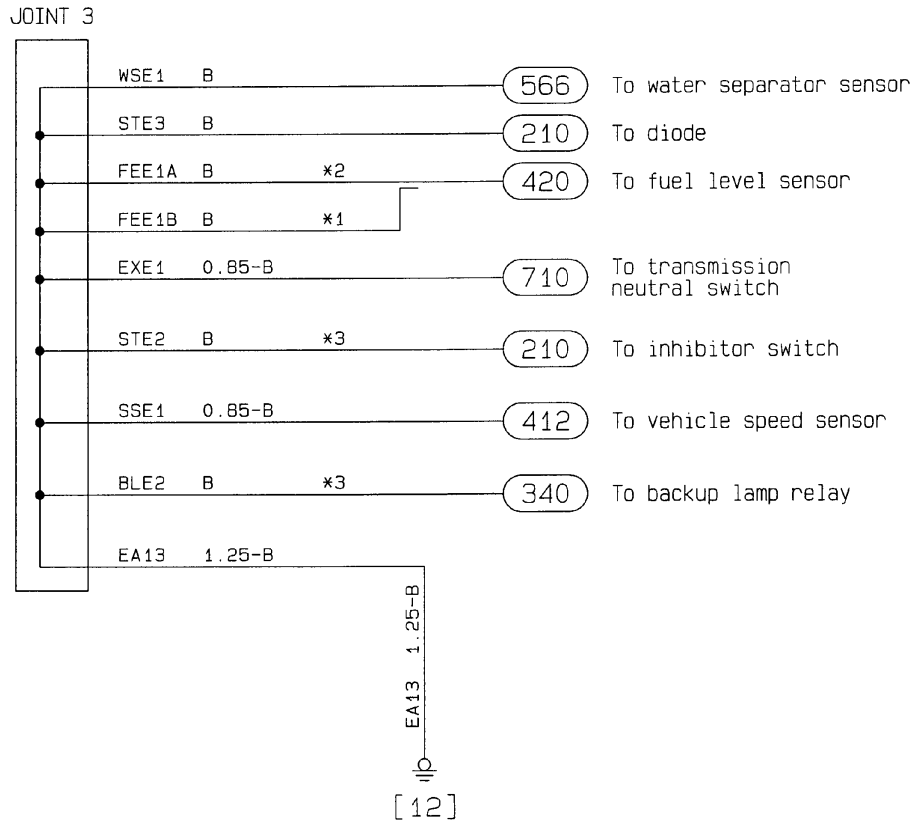
Circuit No. EA11, EA12 chassis ground



C00485

**130 GROUND**

Circuit No.EA13 chassis ground

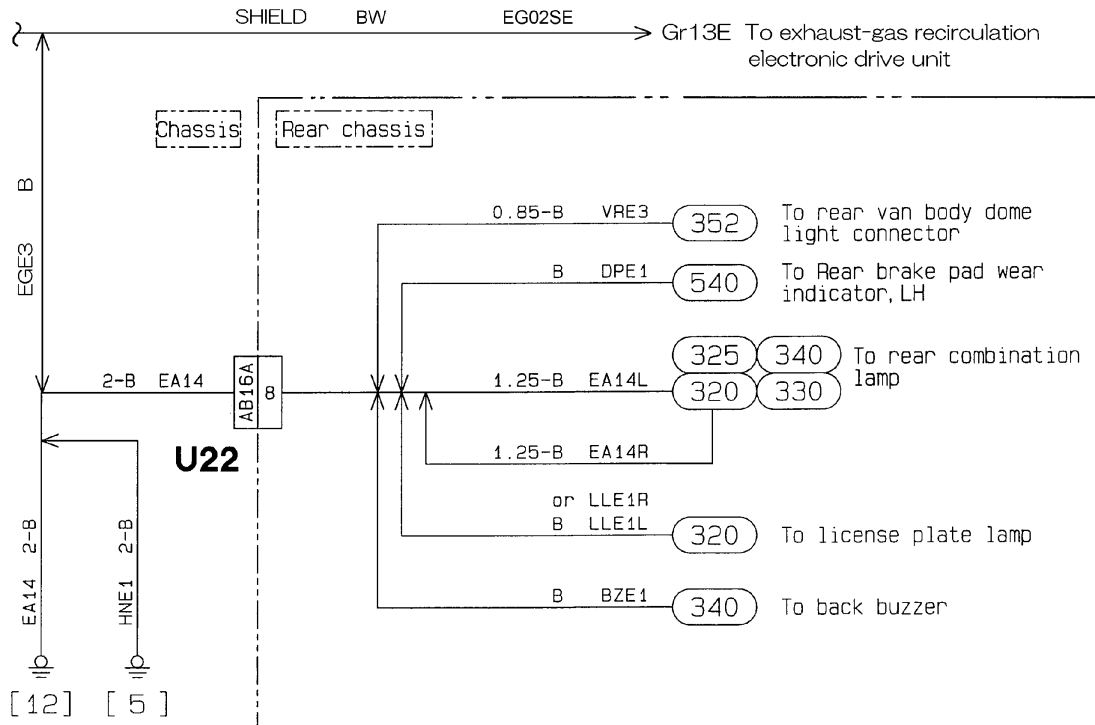


- \*1 : Fuel tank equipped rear overhang
- \*2 : Except \*1
- \*3 : Automatic transmission

C00486

**130 GROUND**

Circuit No.EA14 chassis ground

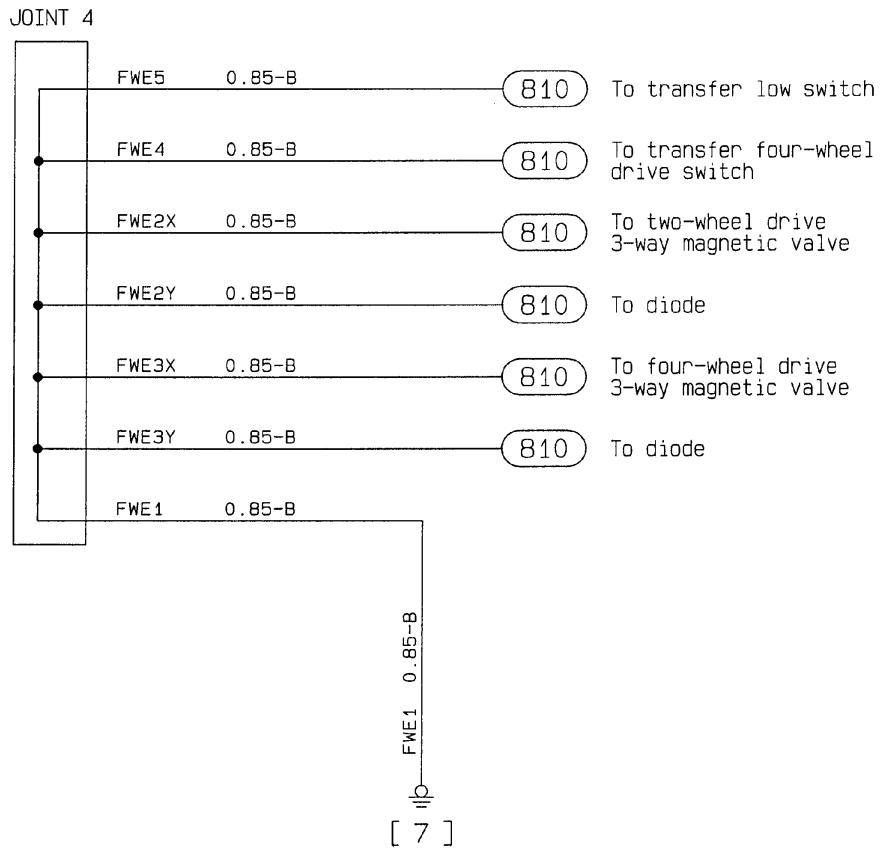


C00487

**130** GROUND

Circuit No.FWE1 chassis ground

<FG>



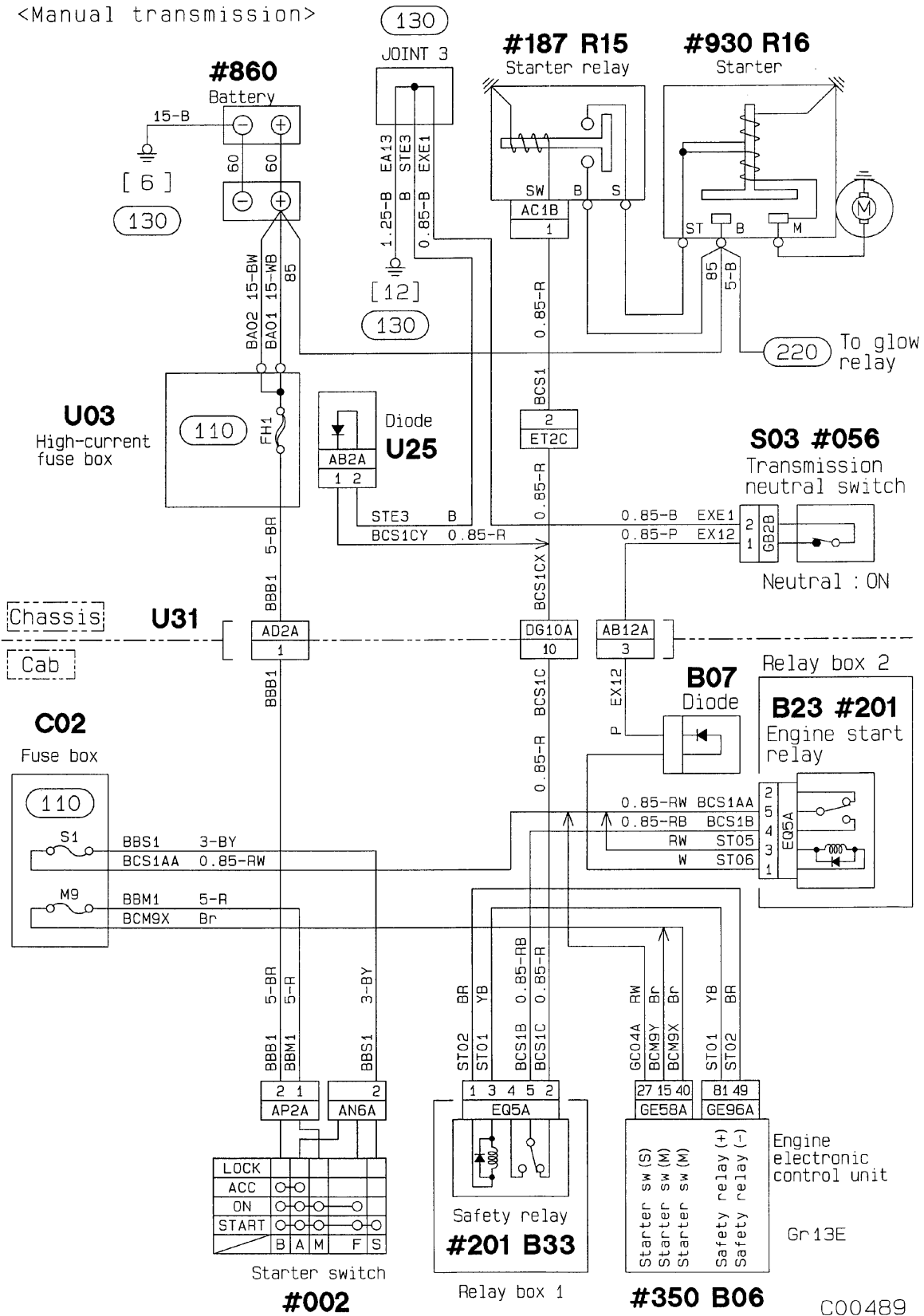
[ 7 ]

C00488

# 17.2 STARTING CIRCUIT

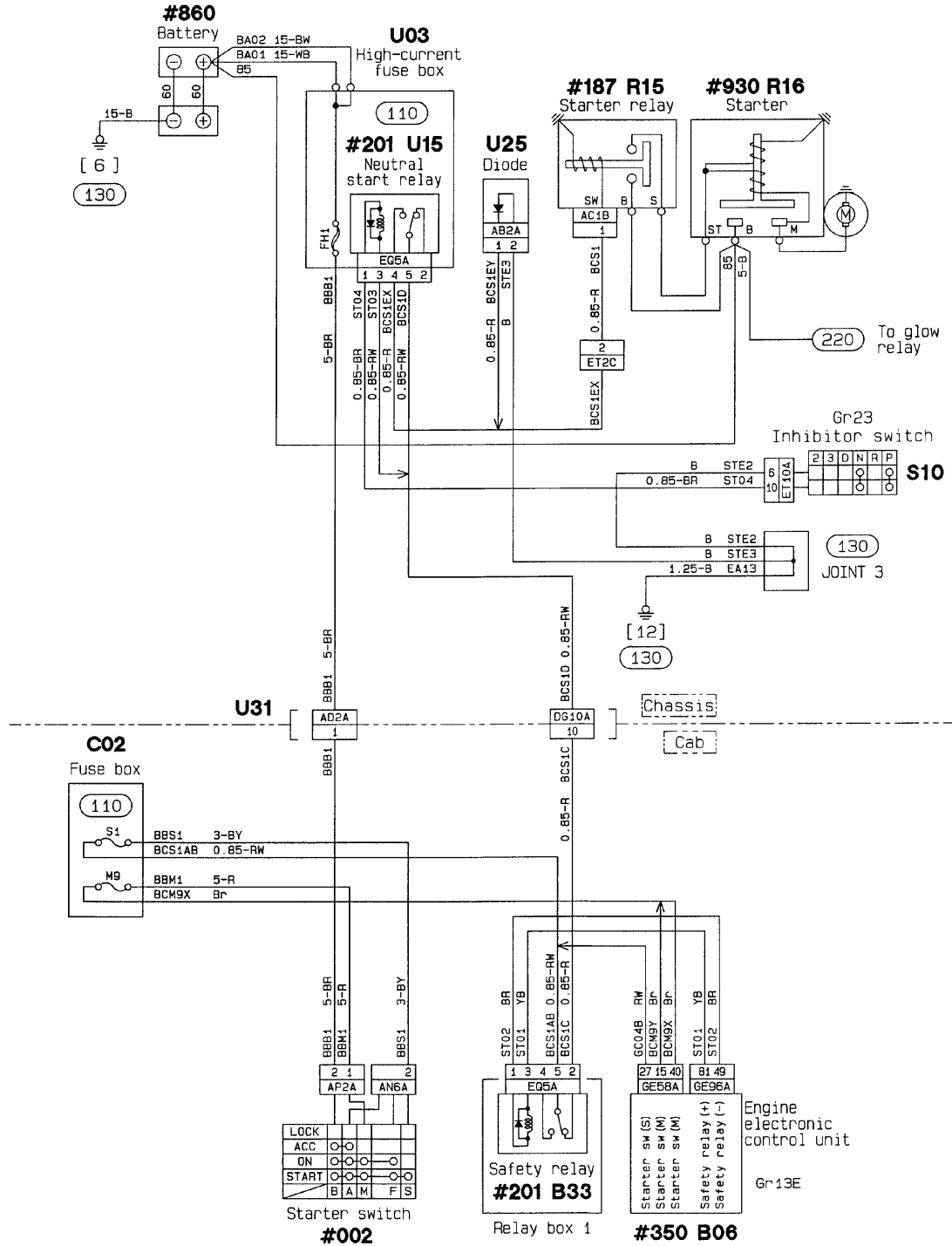
## (210) ENGINE STARTING CIRCUIT

<Manual transmission>



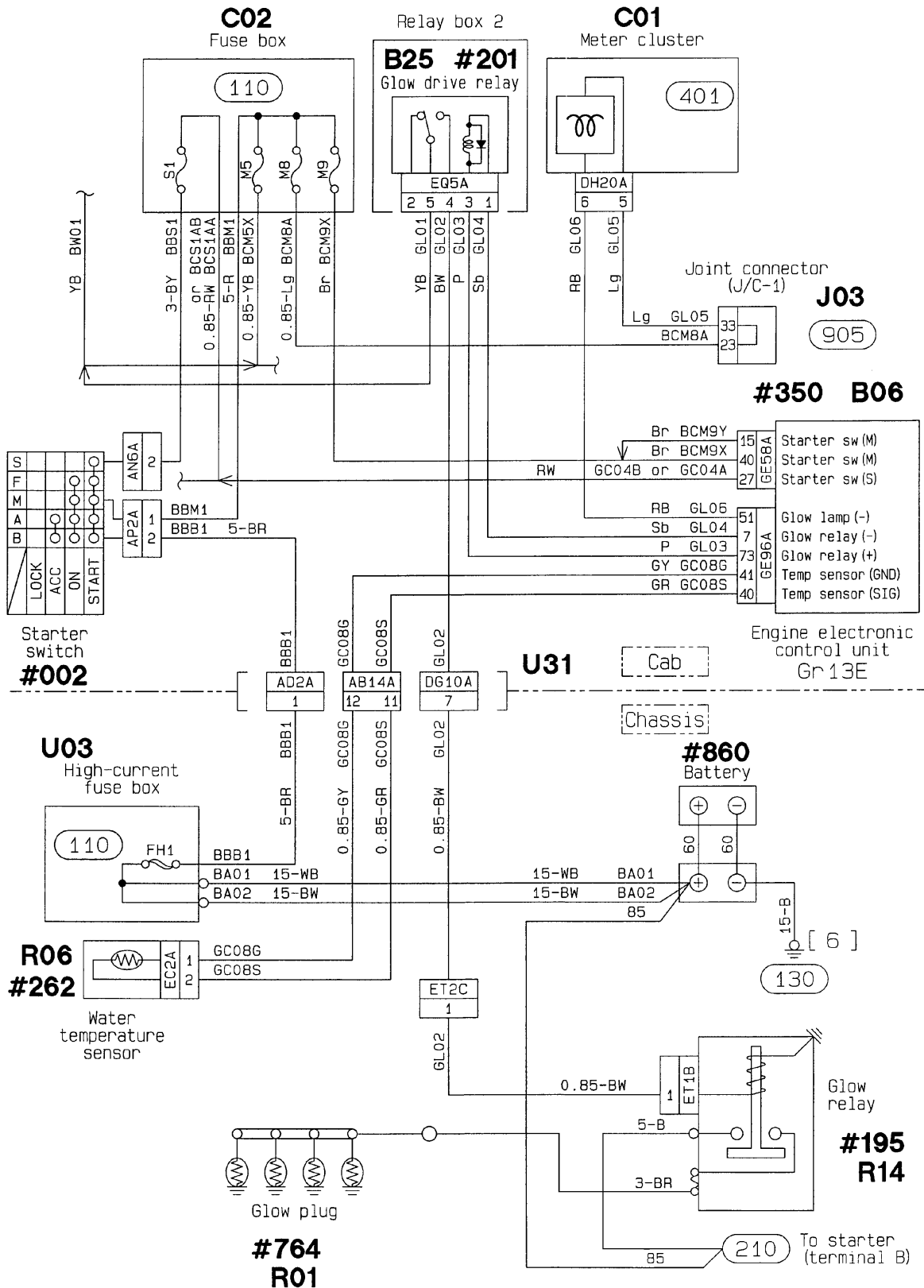
# 210 ENGINE STARTING CIRCUIT

<Automatic transmission>



C00490

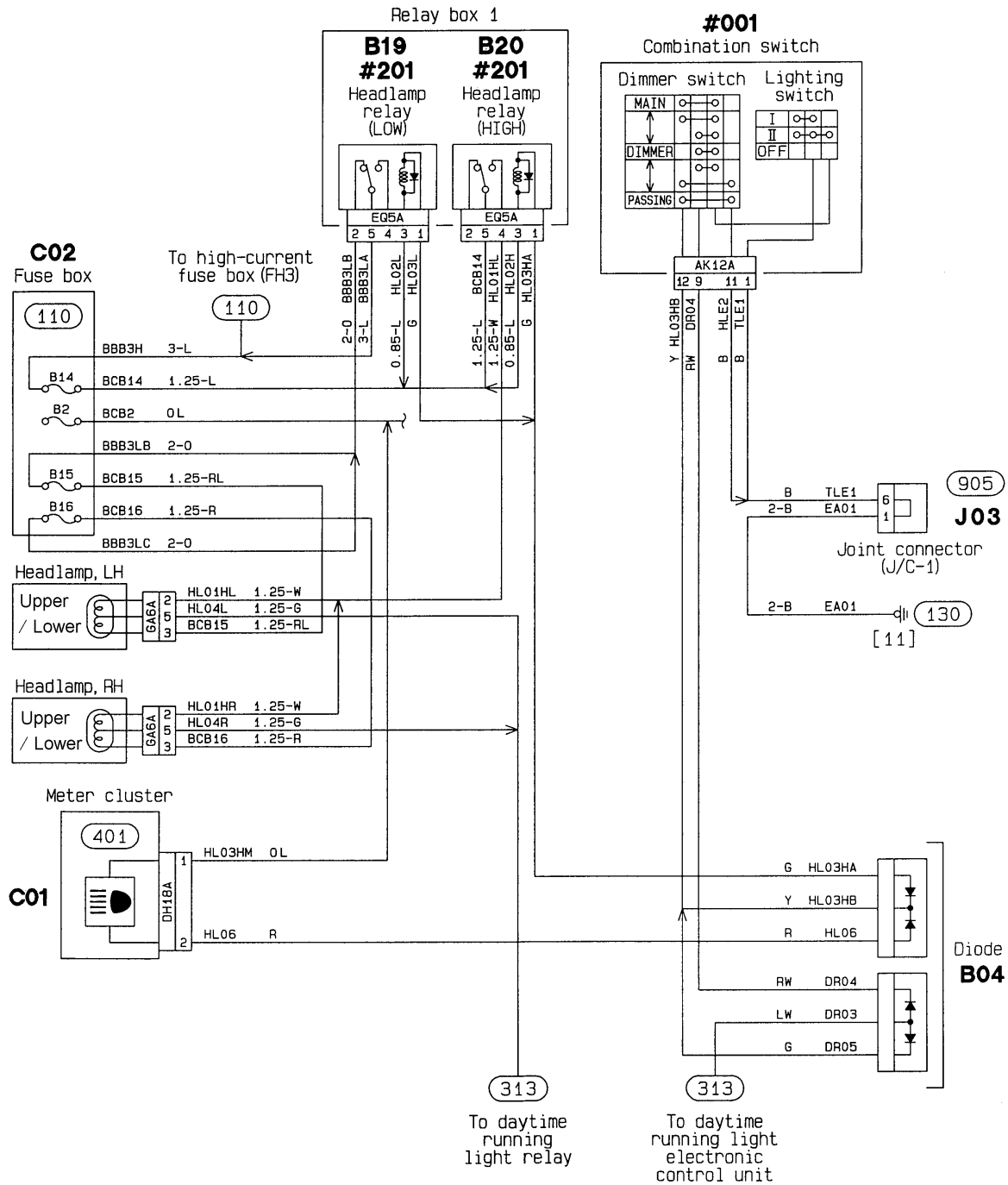
**220 ENGINE PREHEATING CIRCUIT**



C00491

# 17.3 LIGHTING CIRCUIT

## 310 HEADLAMP CIRCUIT

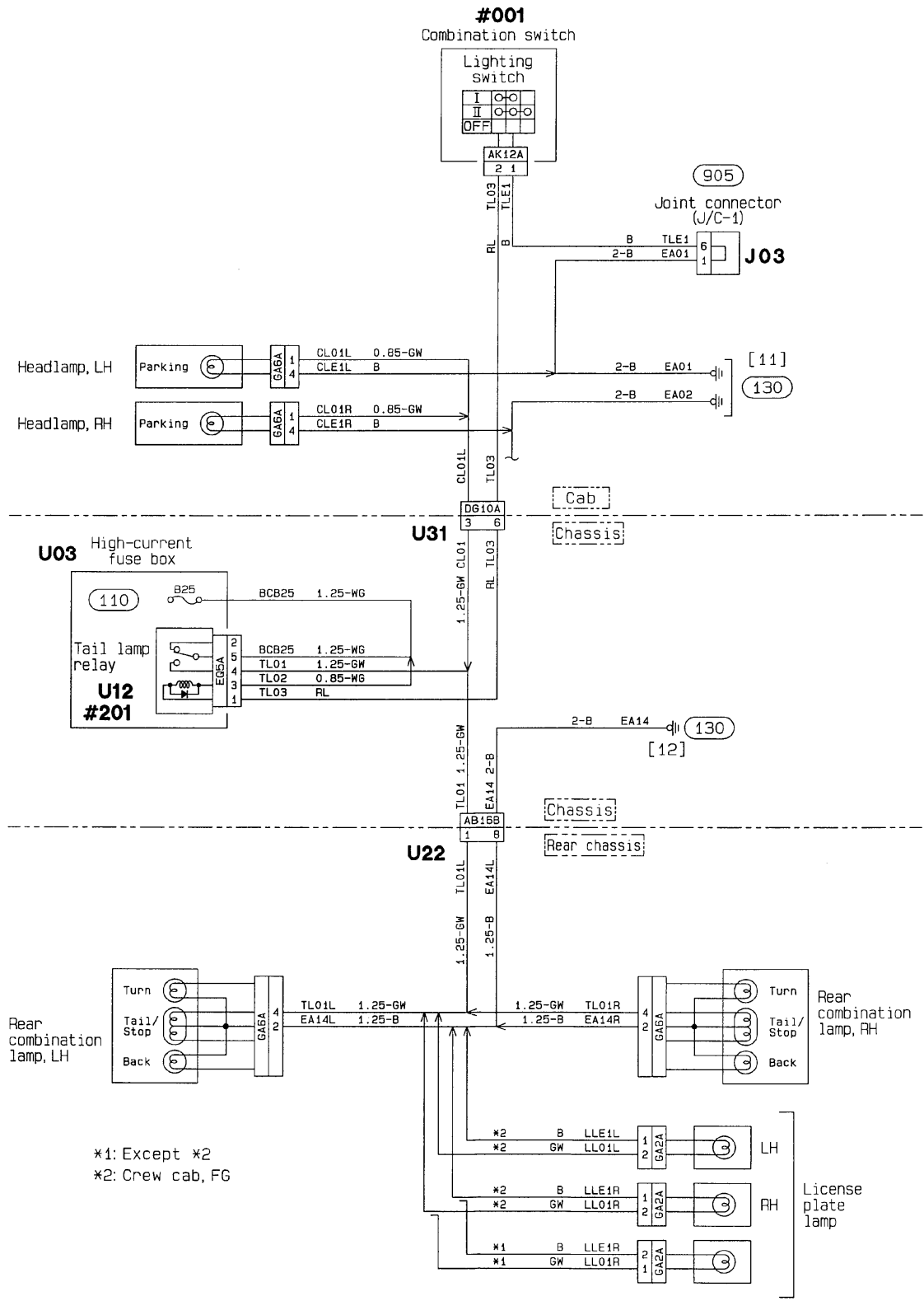


C00493



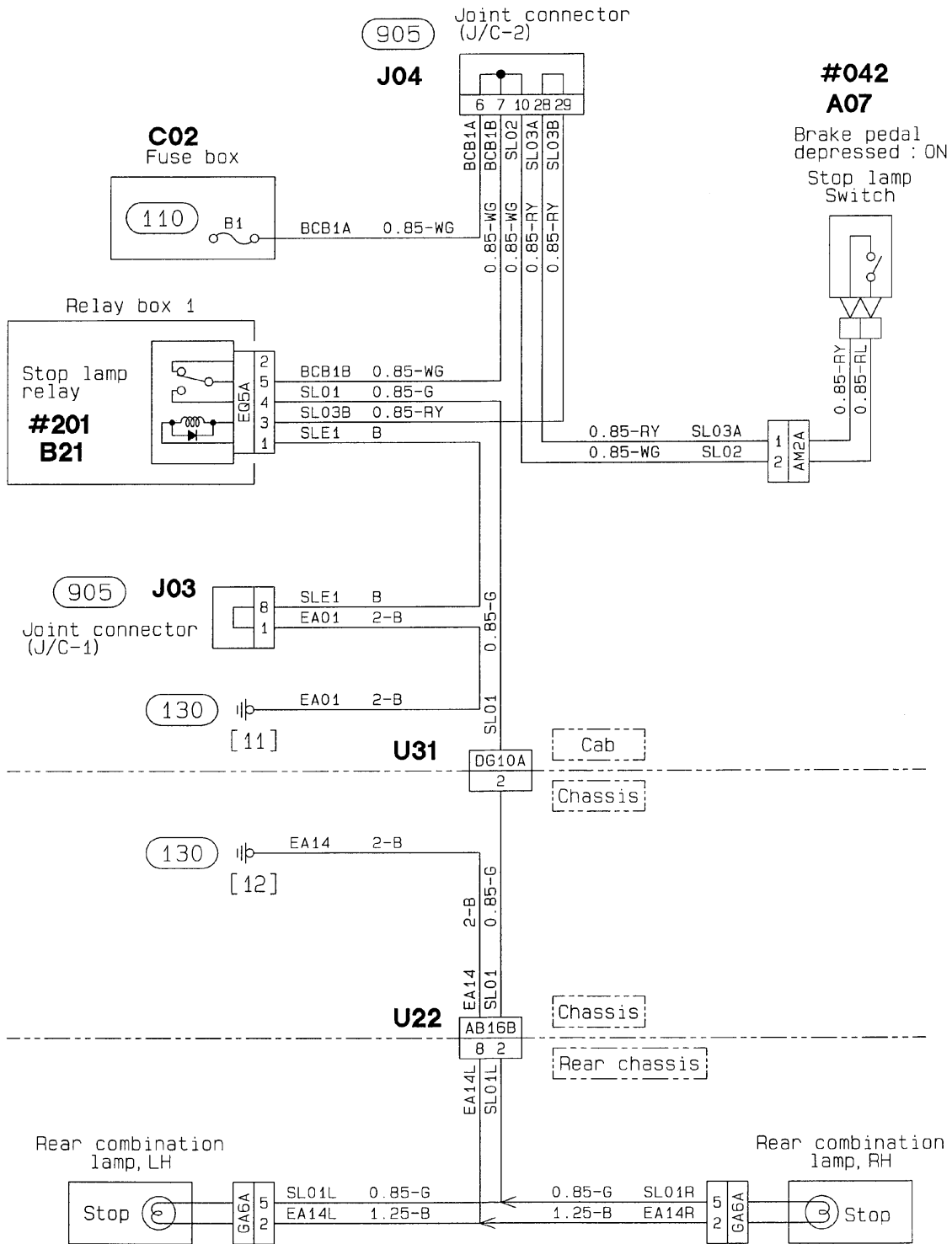


# 320 TAIL, CLEARANCE AND LICENSE PLATE LAMPS CIRCUIT



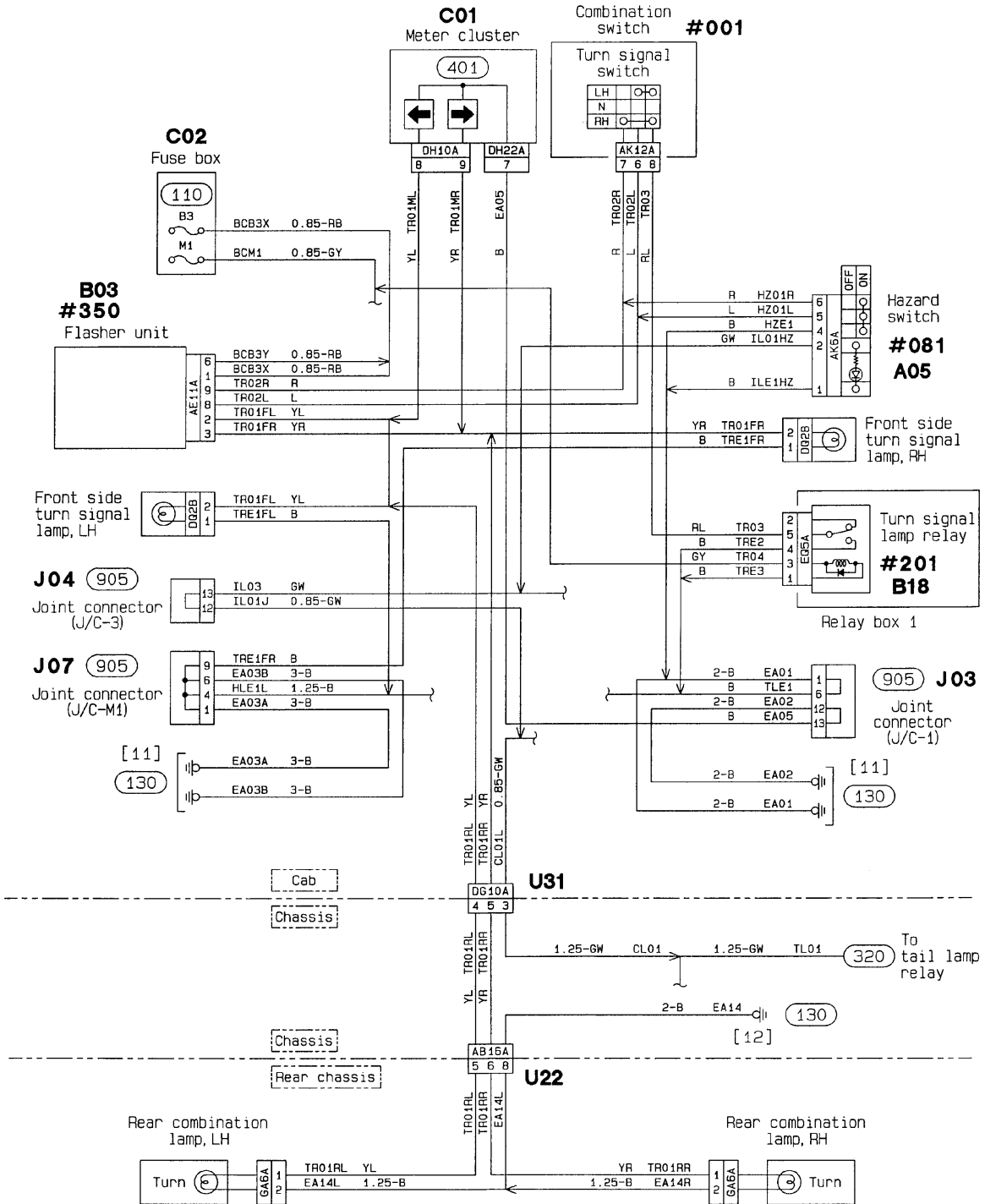
C00495

**325 STOP LAMP CIRCUIT**



C00496

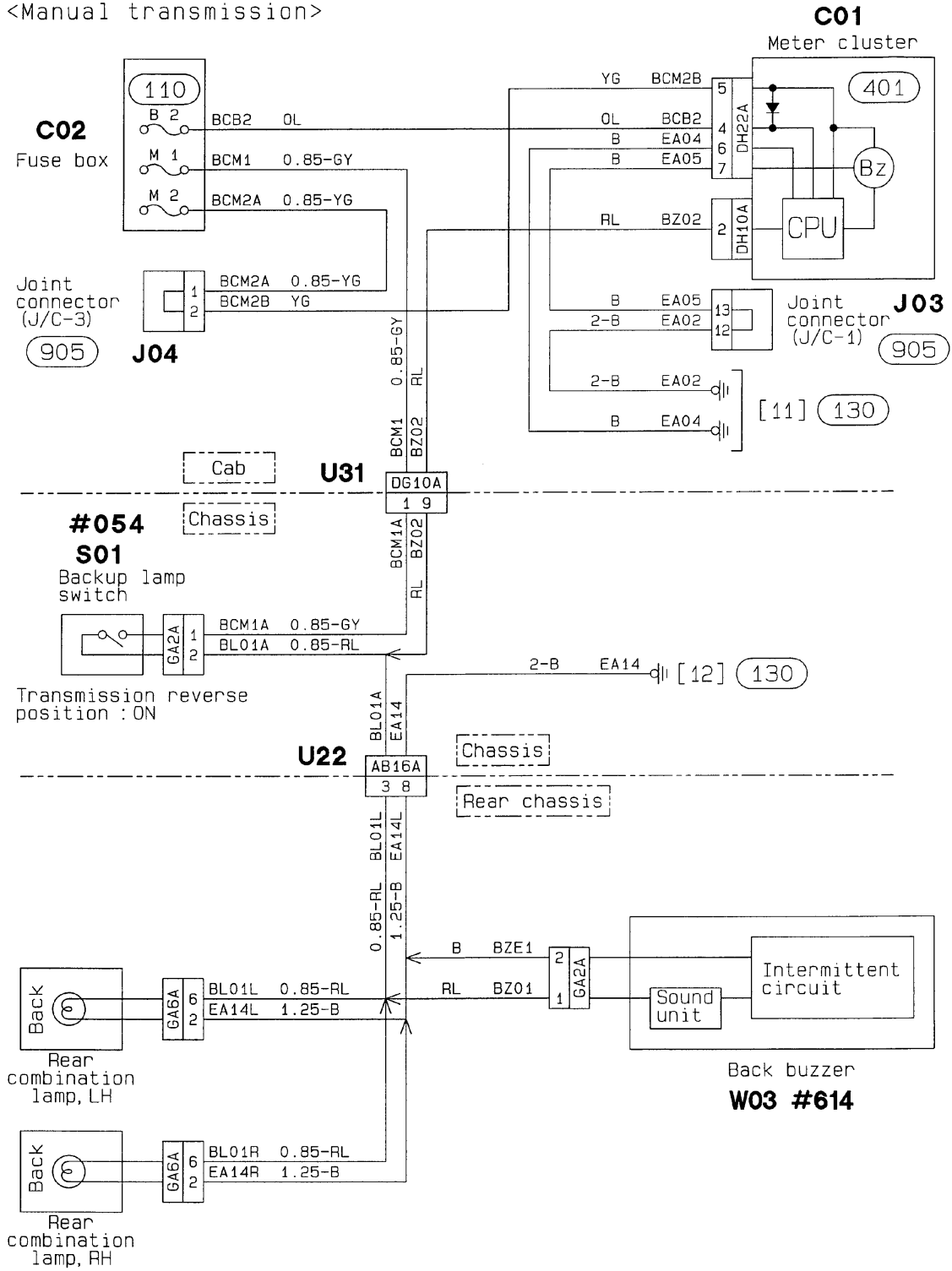
# 330 TURN SIGNAL AND HAZARD LAMP CIRCUIT



C00497

# 340 BACKUP LAMP CIRCUIT

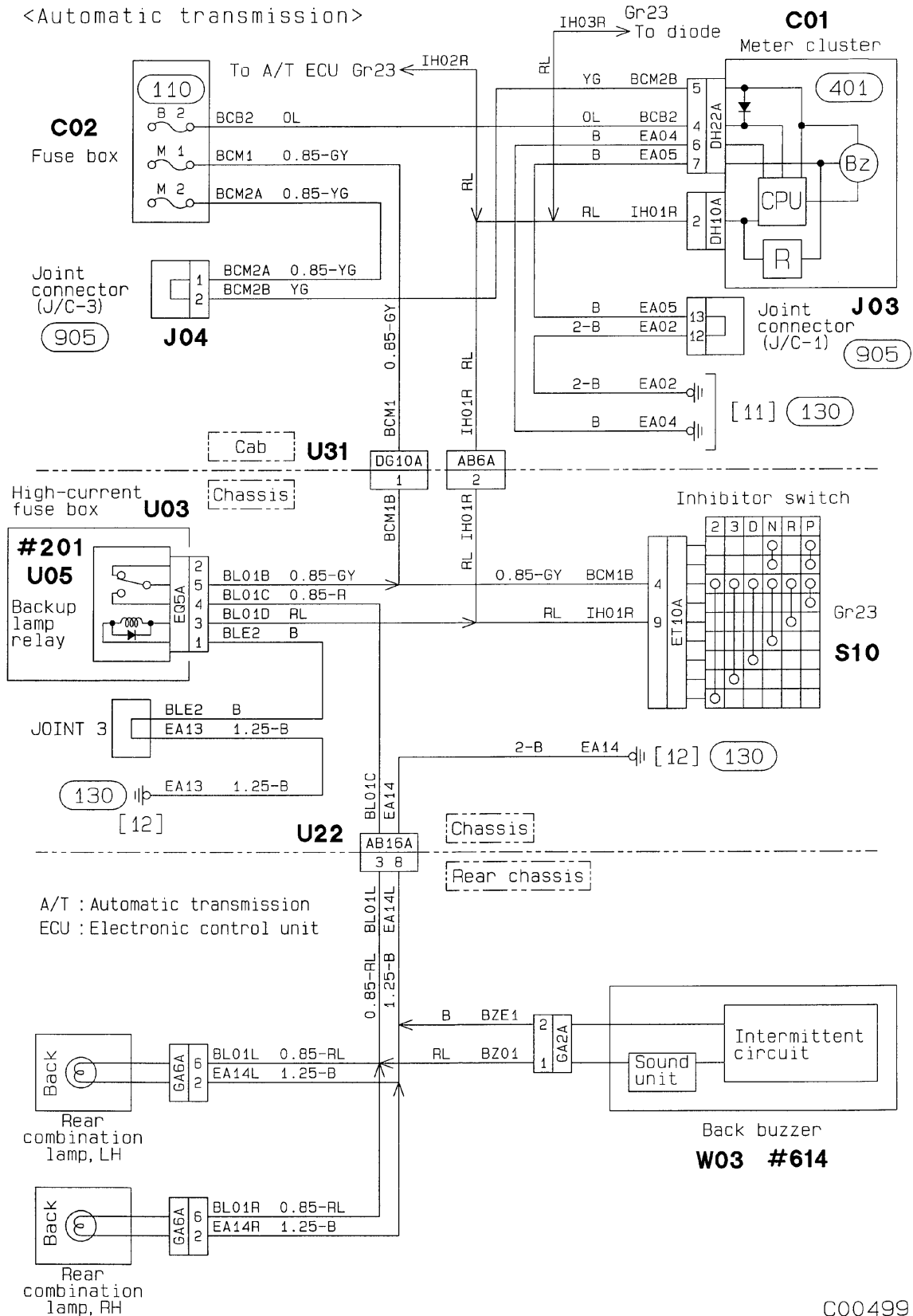
<Manual transmission>



C00498

# 340 BACKUP LAMP CIRCUIT

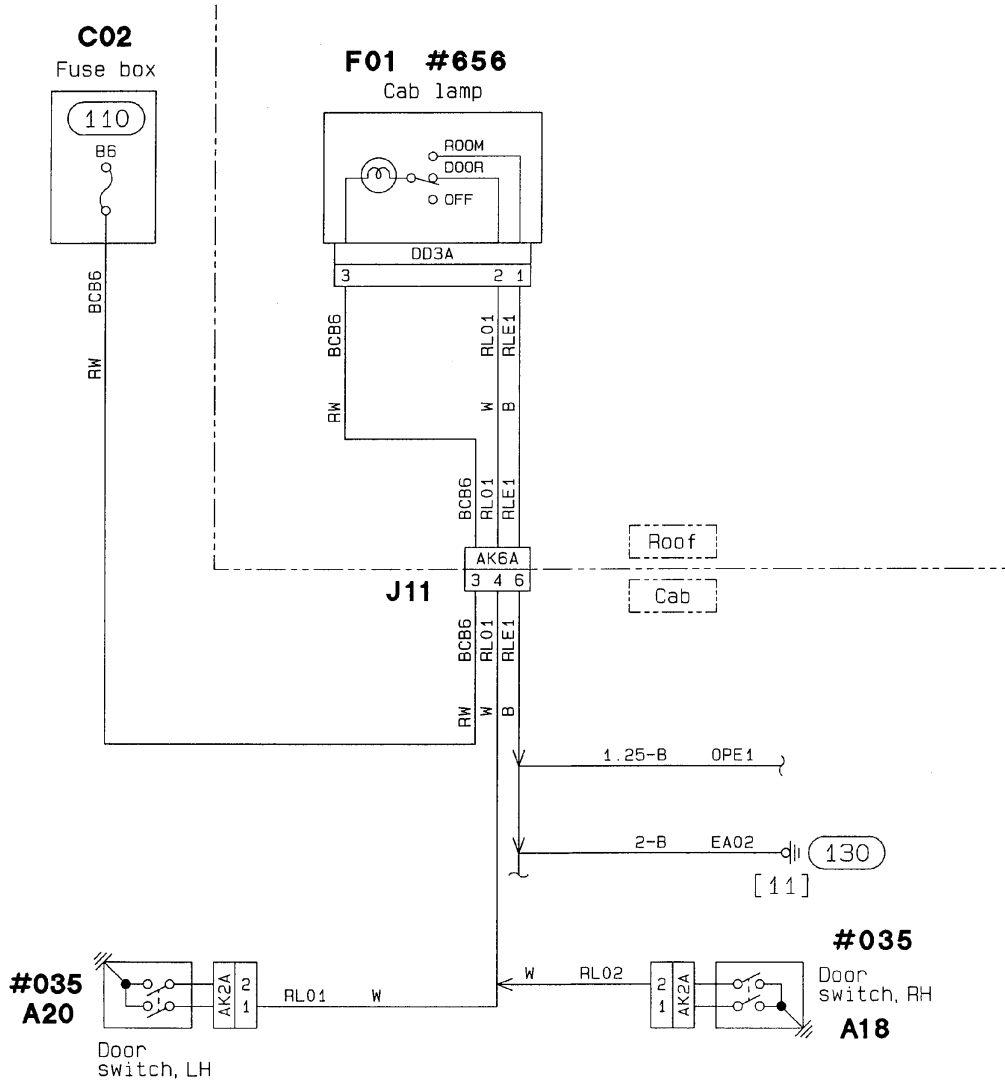
<Automatic transmission>



C00499

# 345 CAB LAMP CIRCUIT

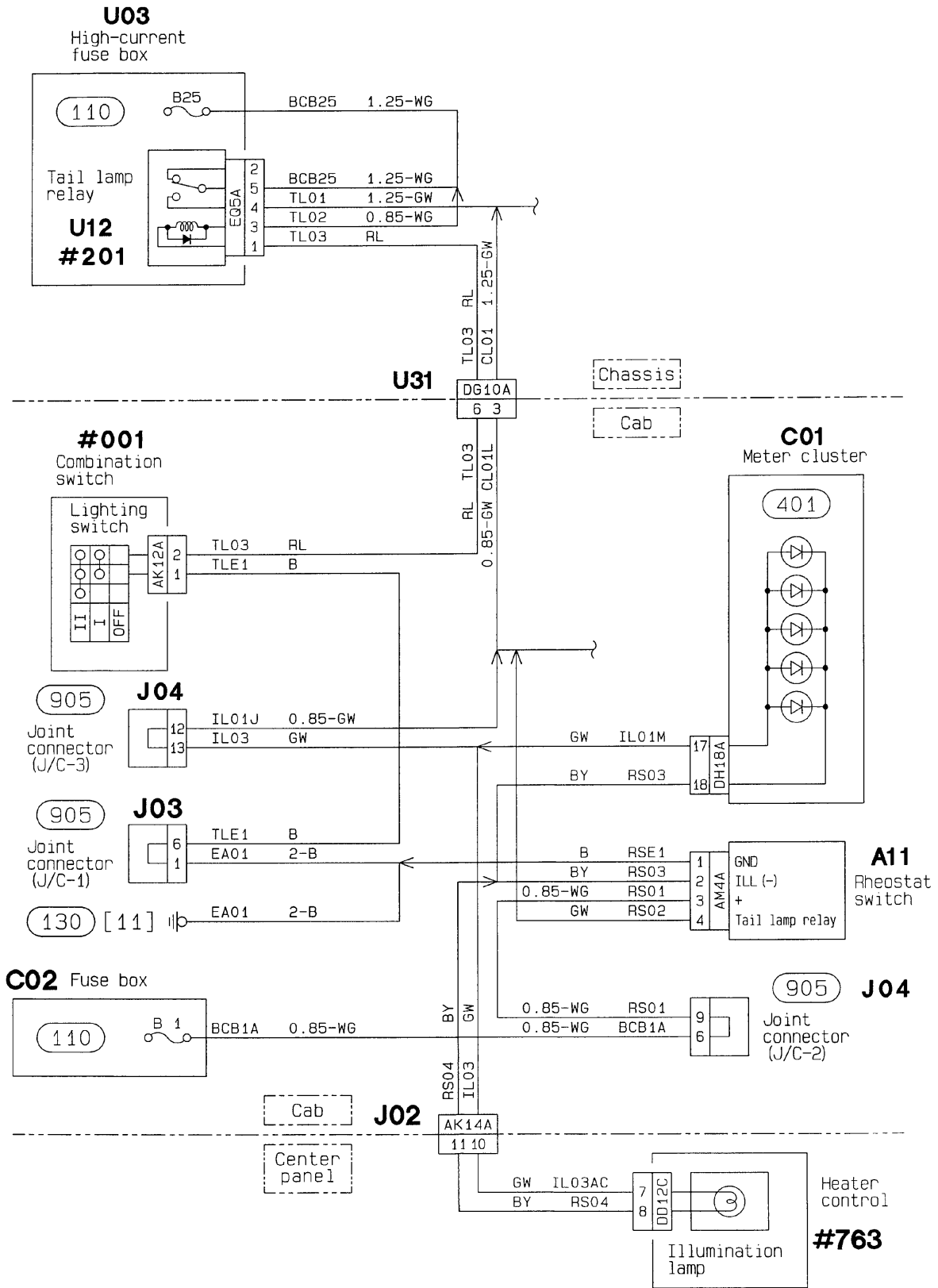
<Except crew cab>



C00500

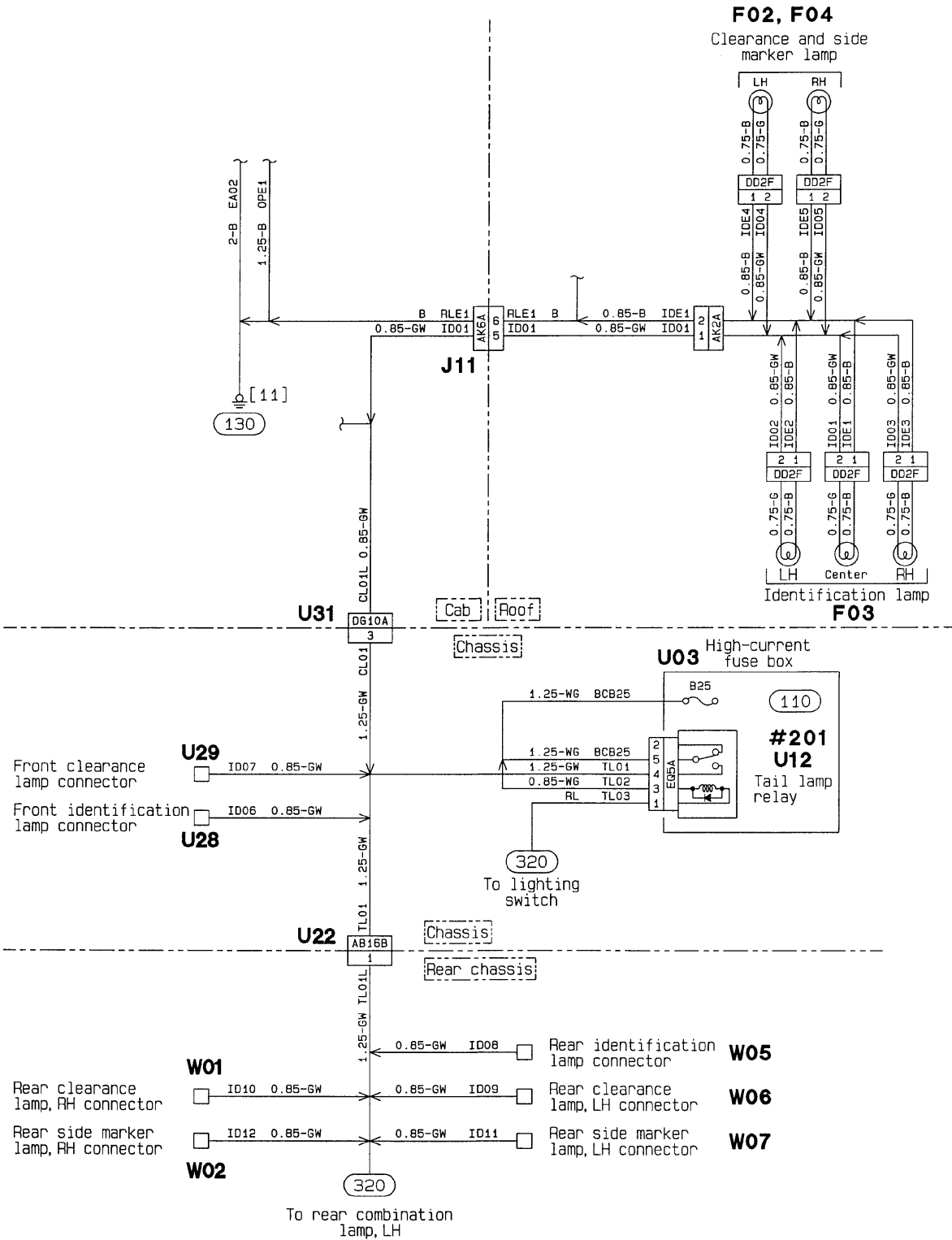


**348 ILLUMINATION LAMP CIRCUIT**



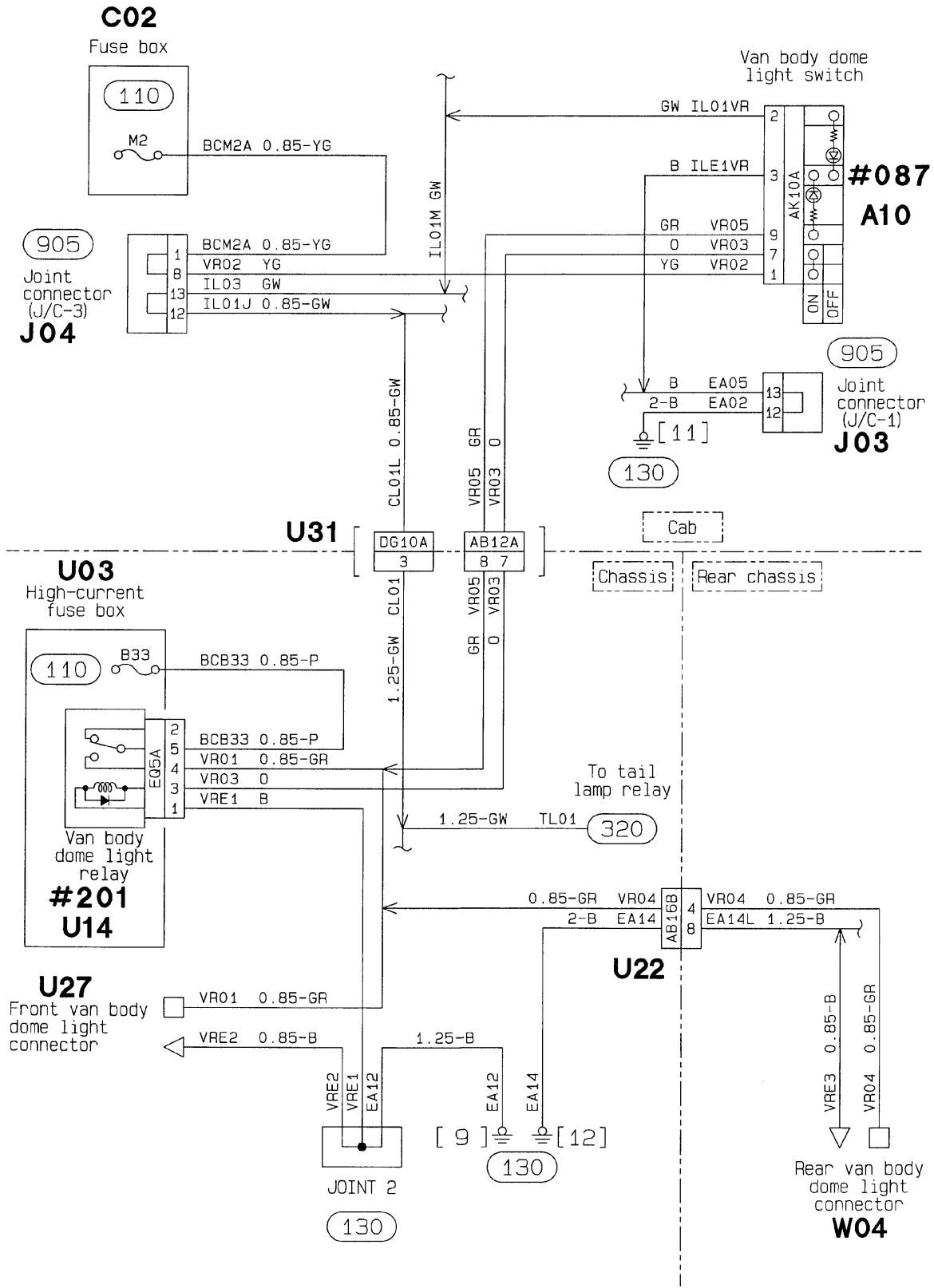
C00502

**349 IDENTIFICATION LAMP AND SIDE MARKER LAMP CIRCUIT**



C00503

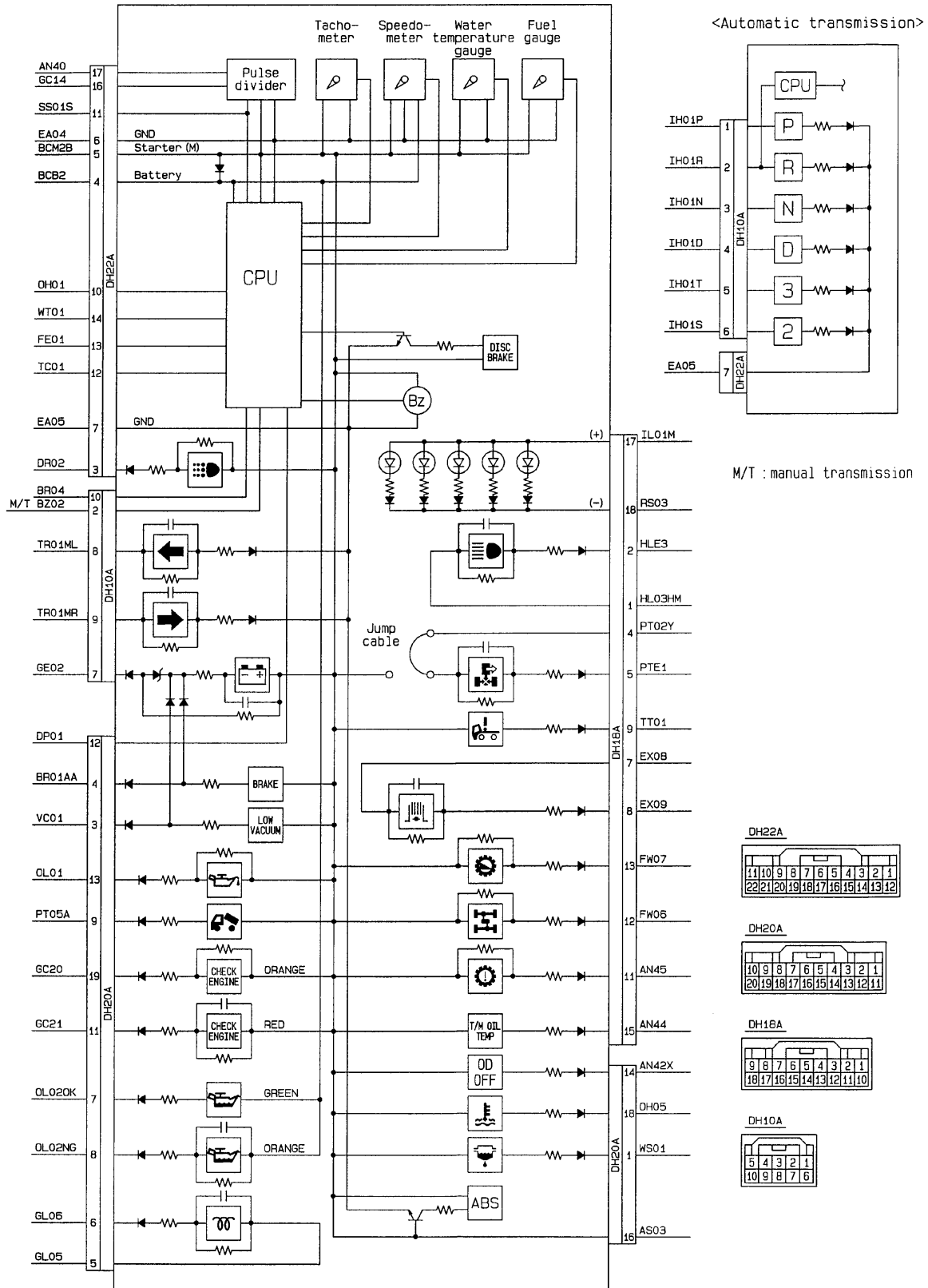
**352 VAN BODY DOME LIGHT CIRCUIT**



C00504

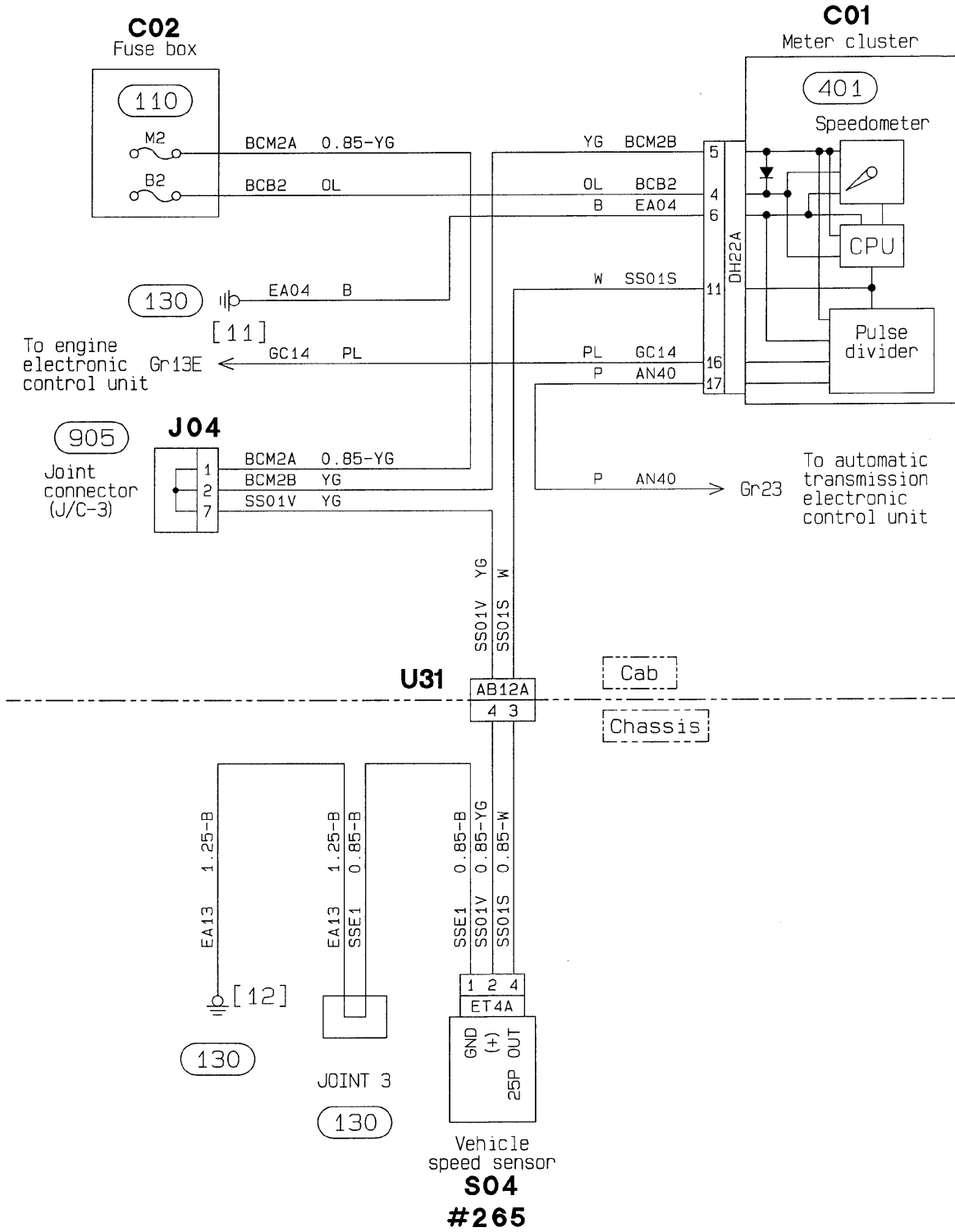
# 17.4 METER CLUSTER

## 401 METER CLUSTER INTERNAL CIRCUIT



C00505

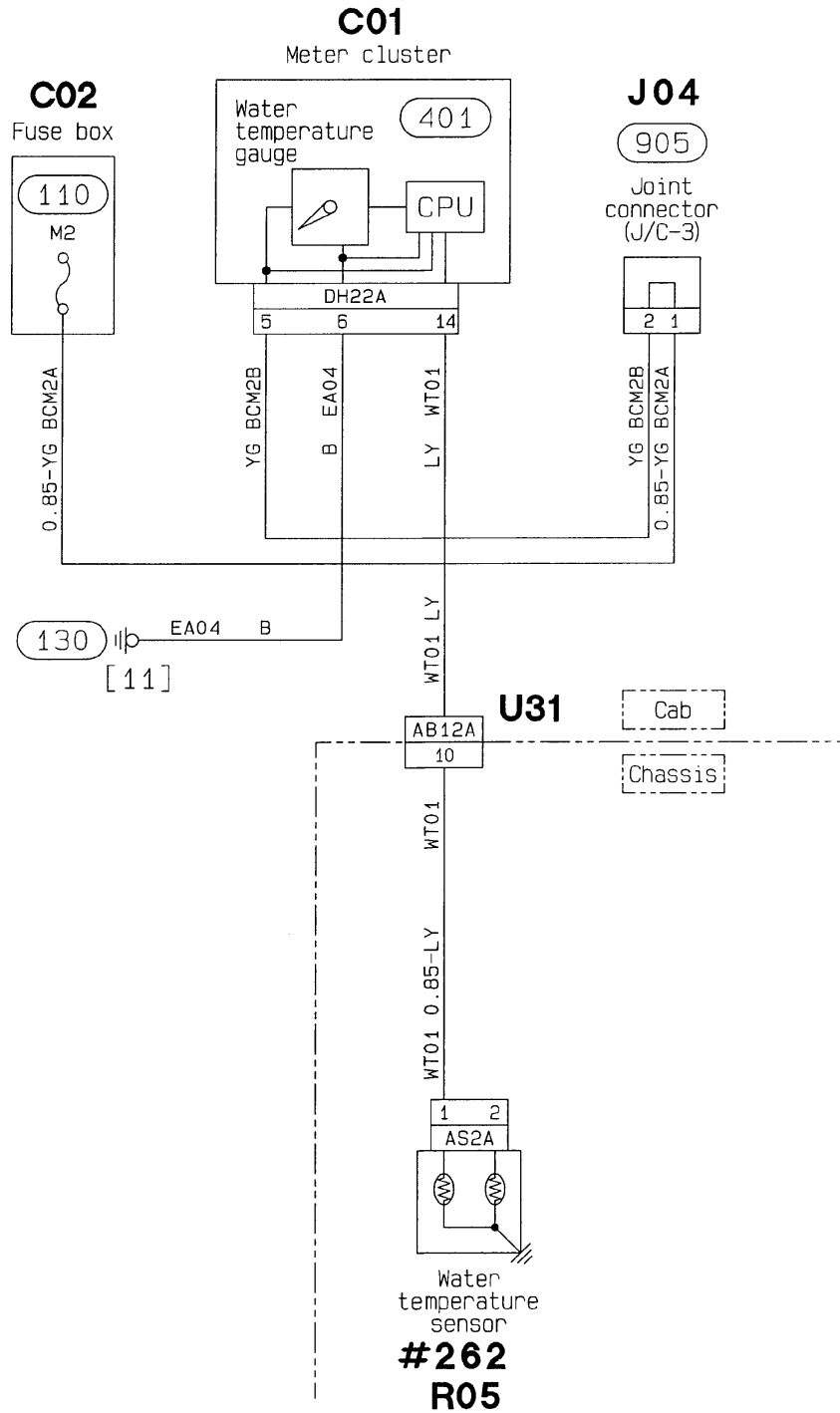
# 412 SPEEDOMETER CIRCUIT



C00506



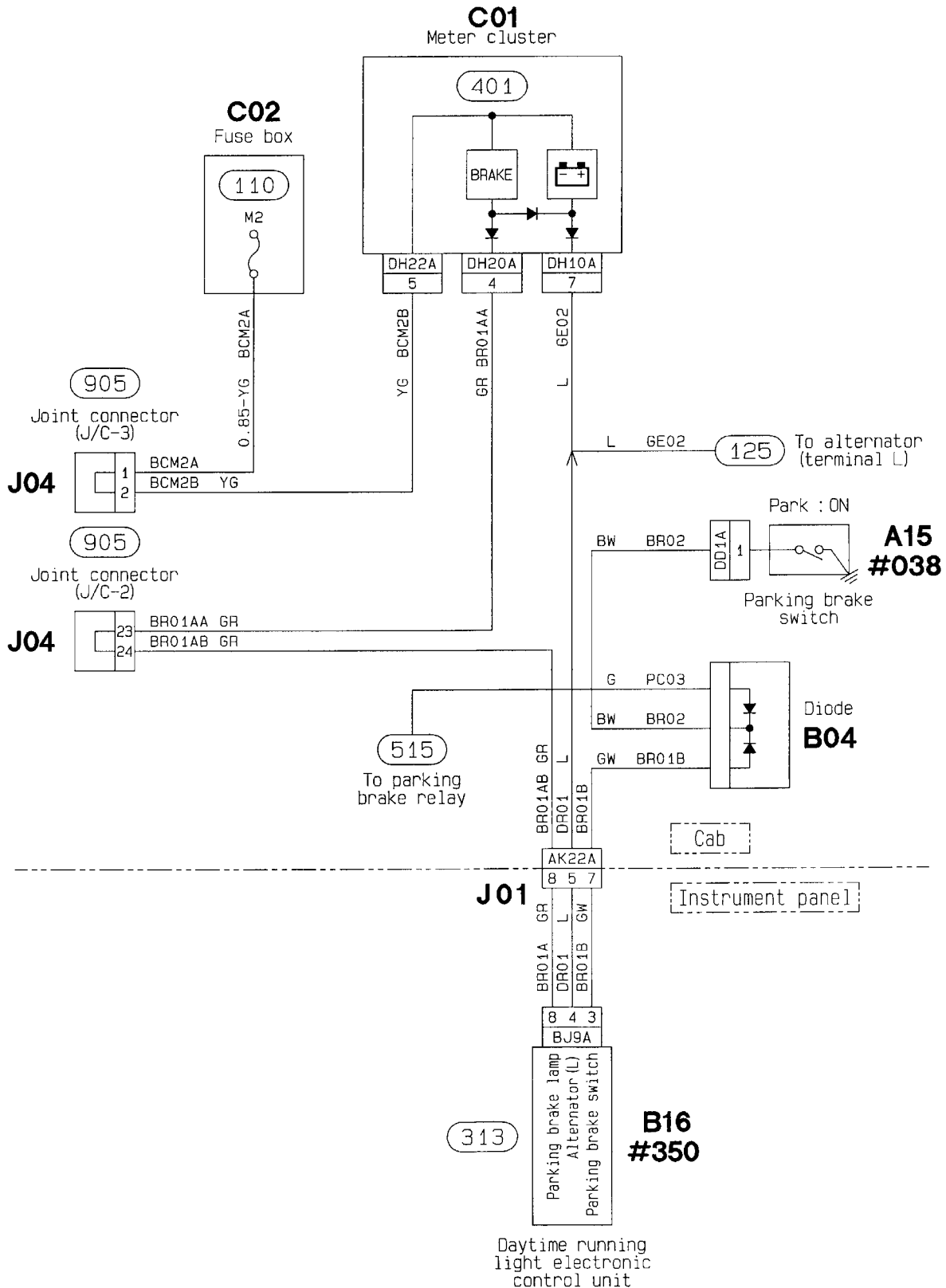
**425 WATER TEMPERATURE GAUGE CIRCUIT**



C00509

# 17.5 INDICATOR AND WARNING LAMP CIRCUIT

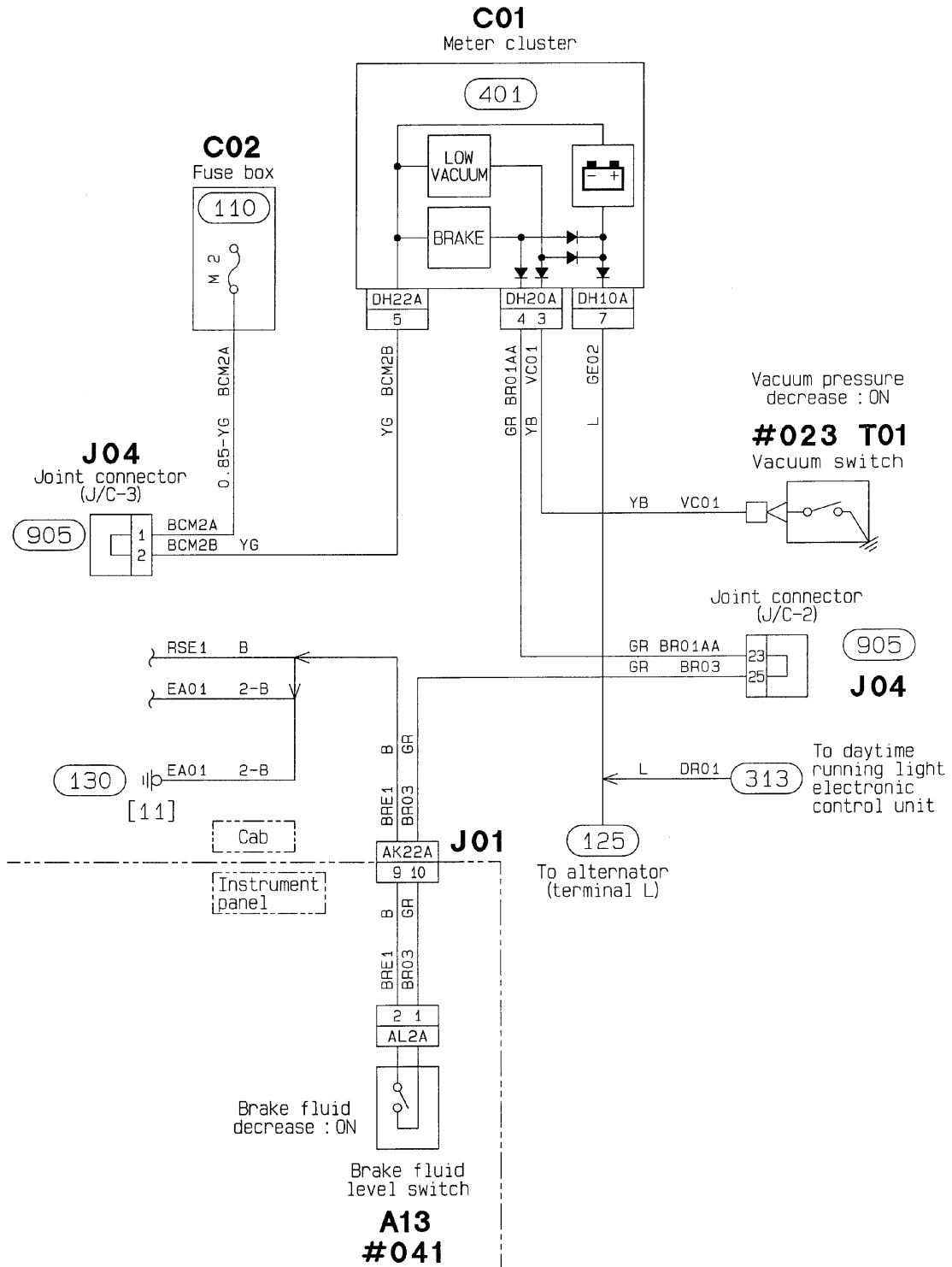
## 510 PARKING BRAKE INDICATOR CIRCUIT



C00510

# 515 BRAKE WARNING CIRCUIT

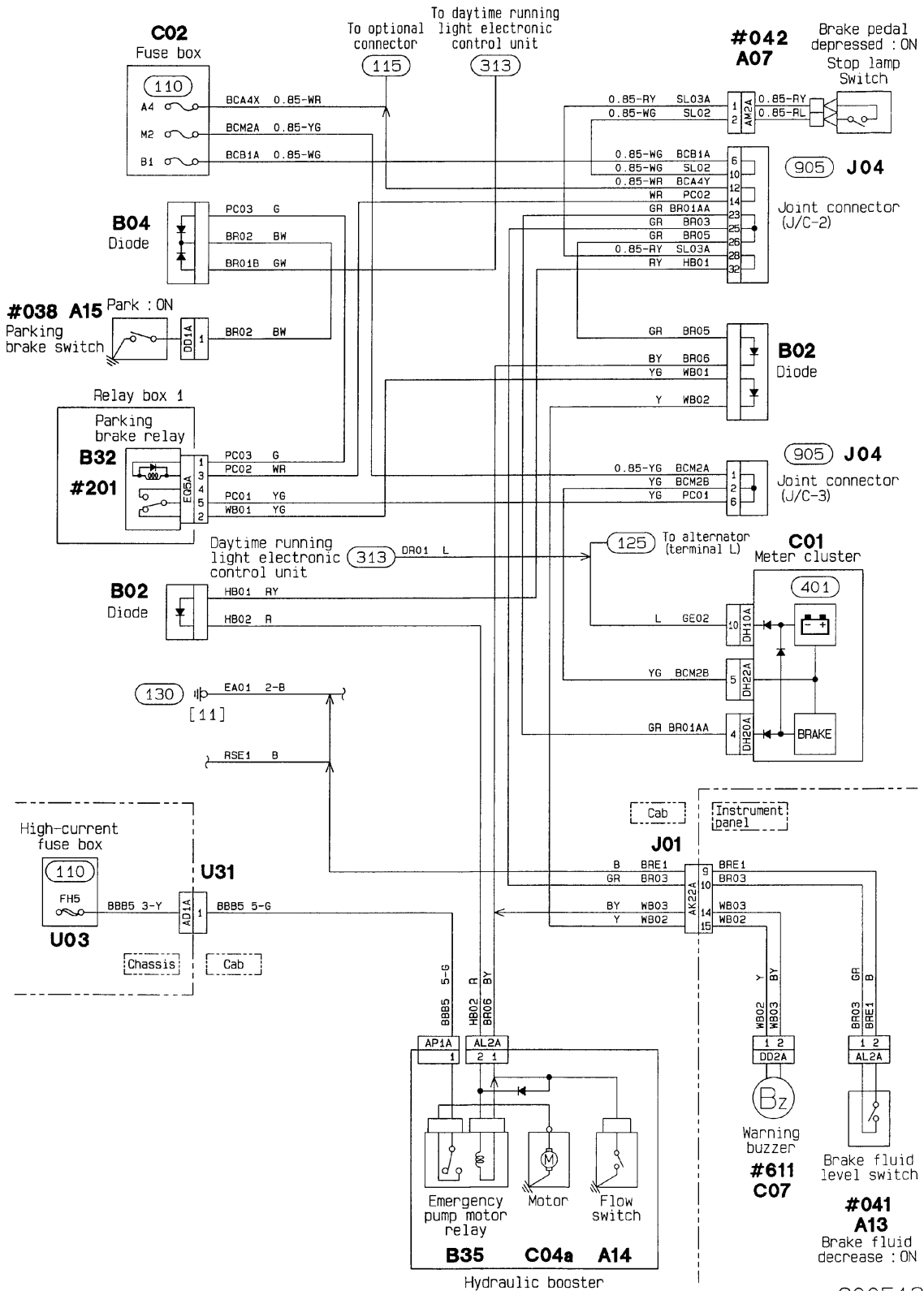
<Except hydraulic booster>



C00511

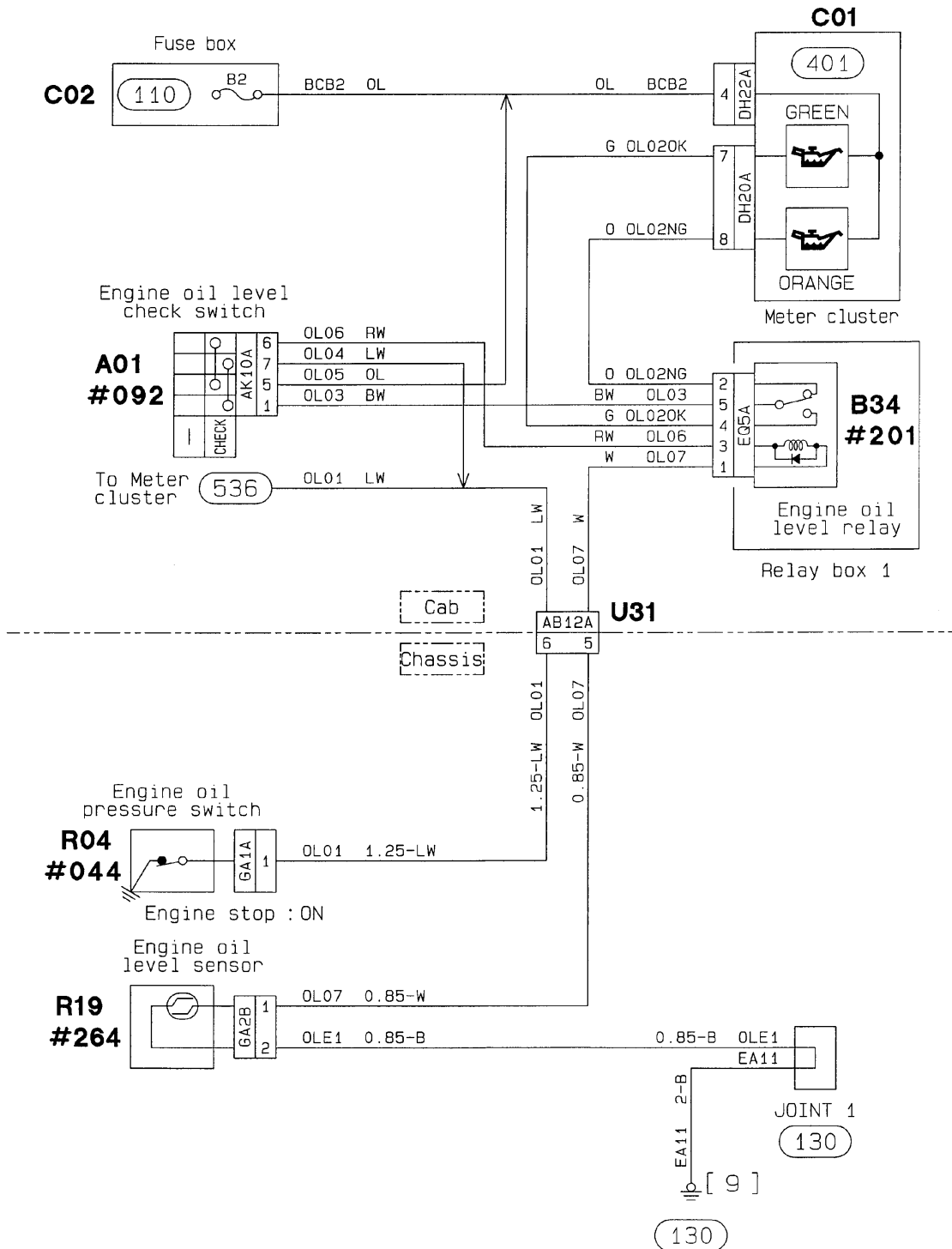
# 515 BRAKE WARNING CIRCUIT

<Hydraulic booster>



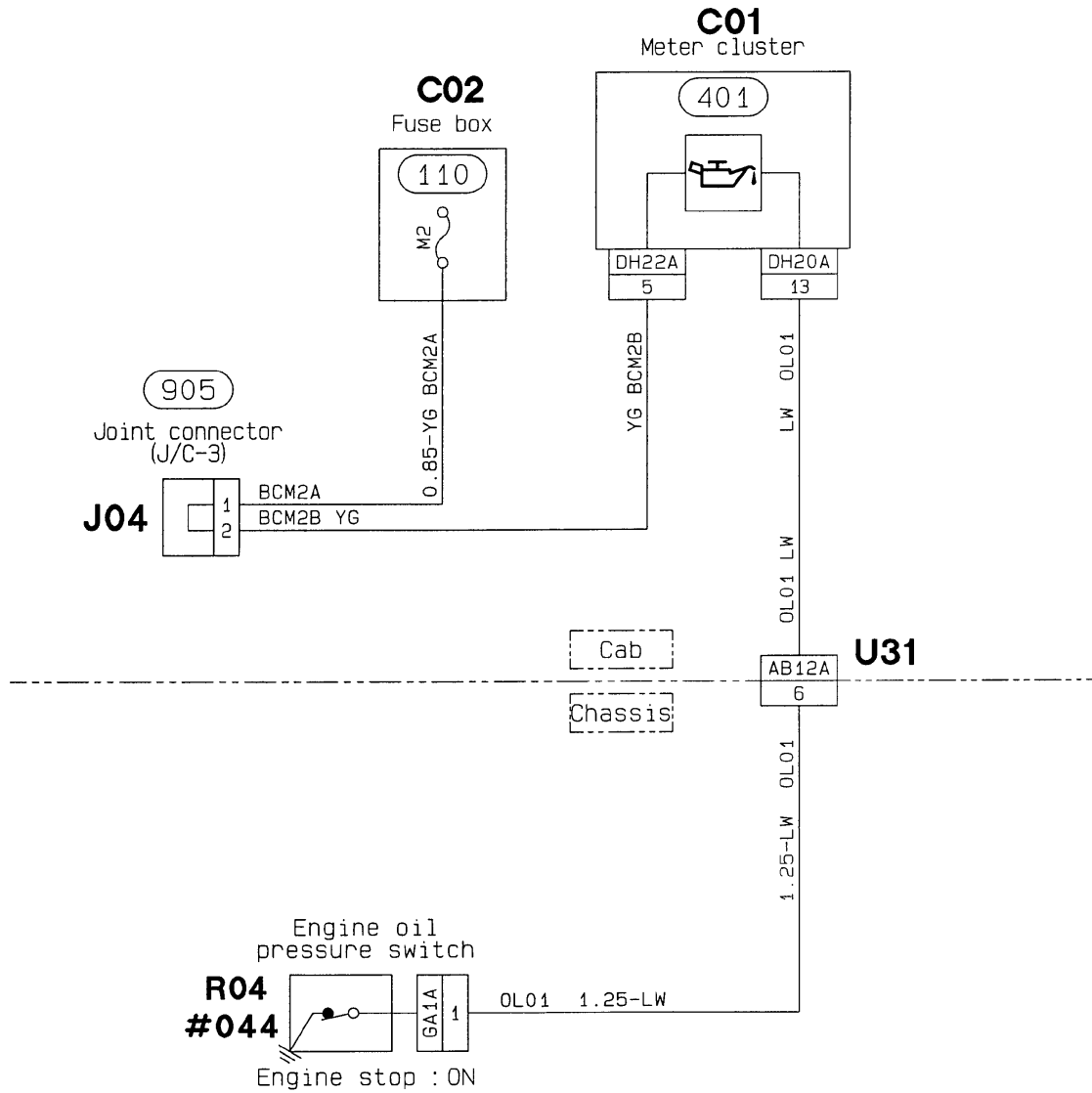
C00512

**535 ENGINE OIL LEVEL WARNING CIRCUIT**



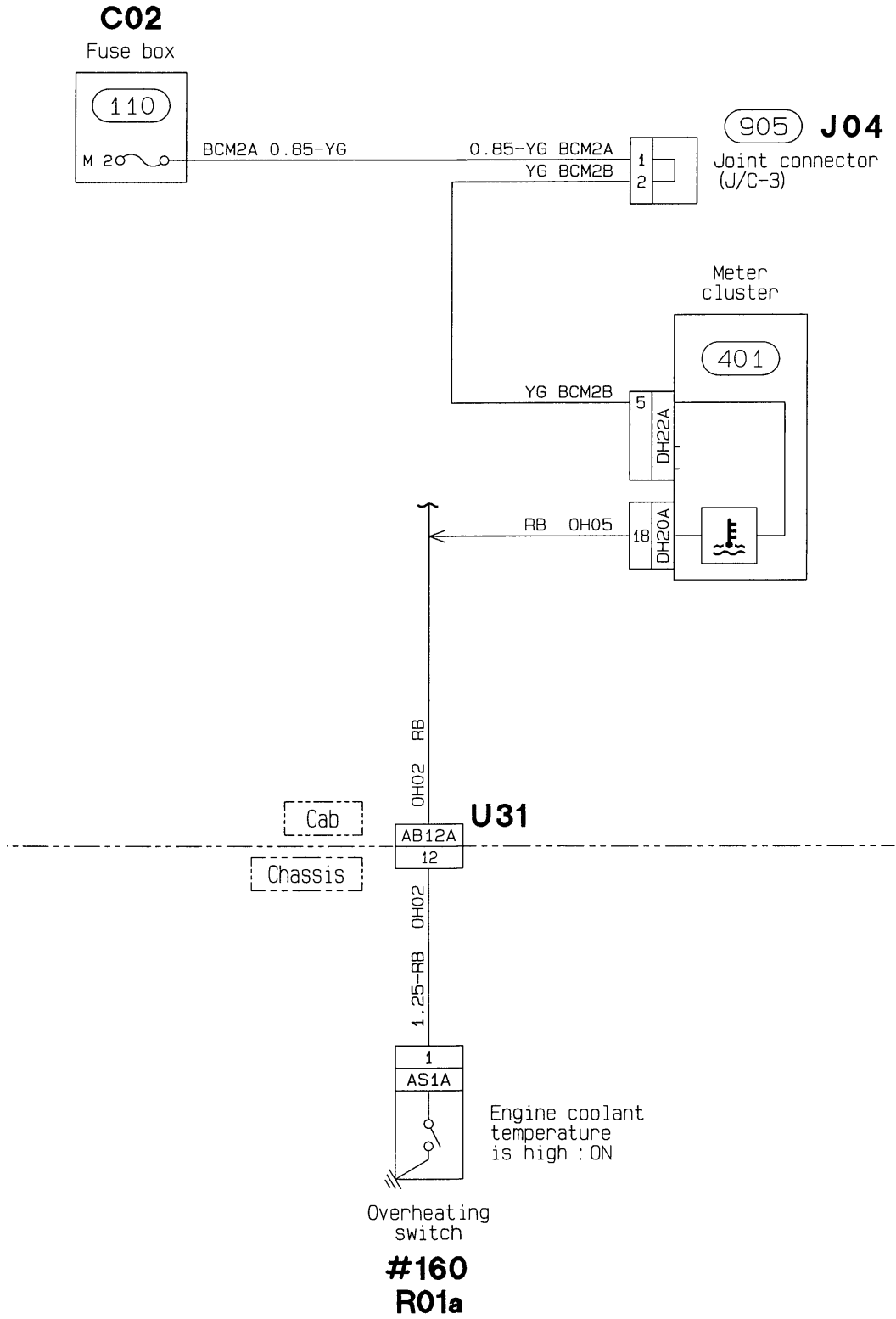
C00513

**536 ENGINE OIL PRESSURE WARNING CIRCUIT**



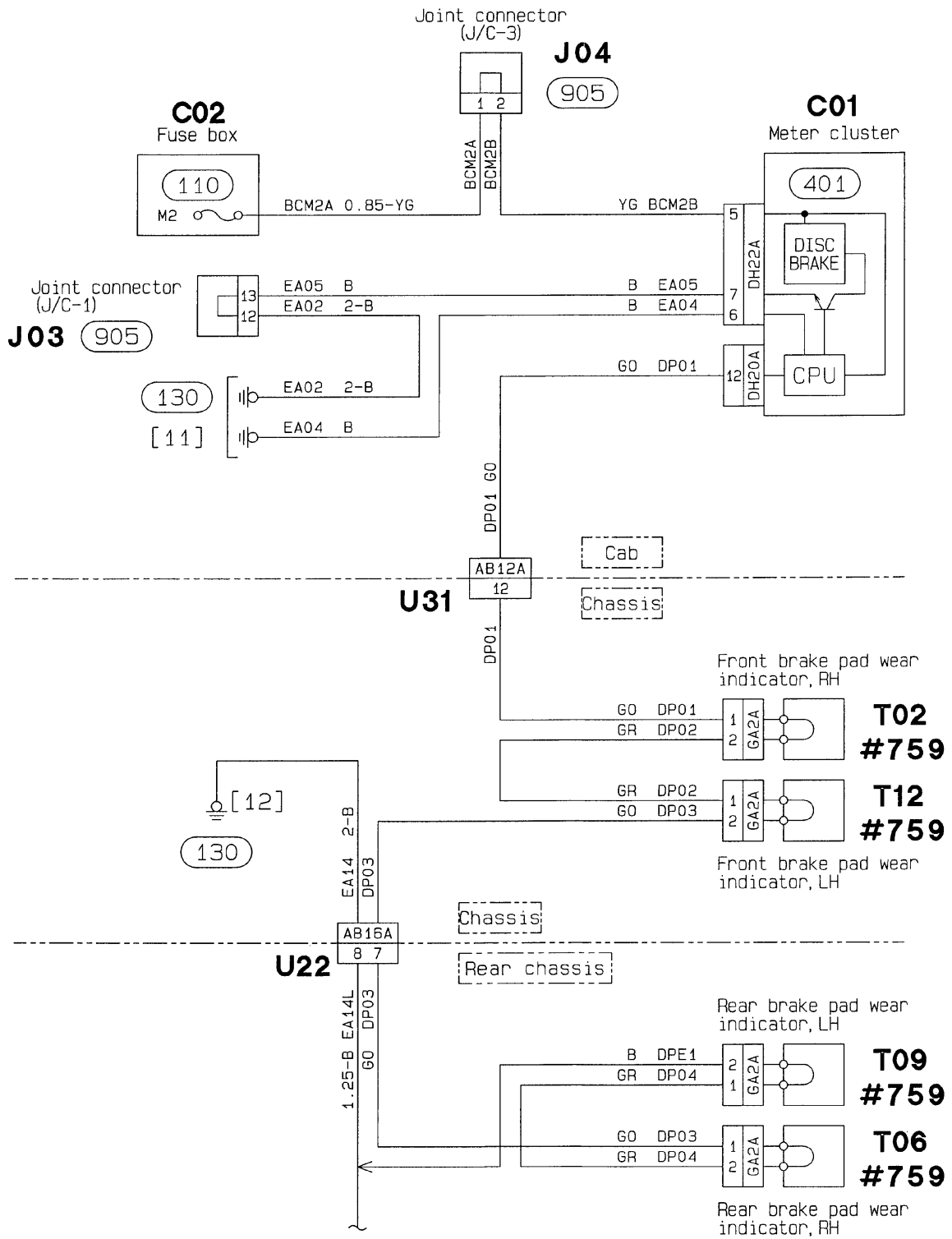
C00514

**537 OVERHEATING WARNING CIRCUIT**



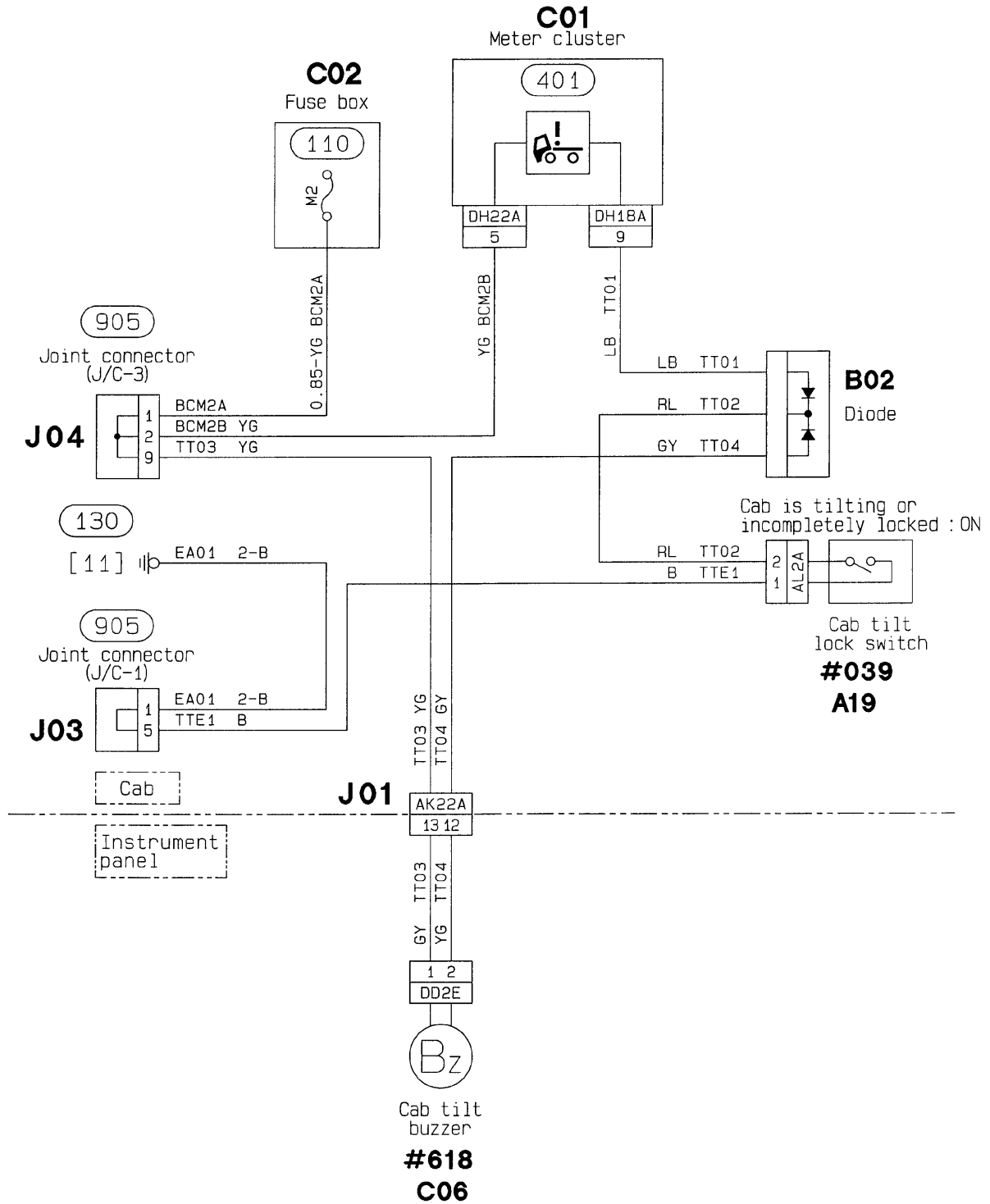
C00515

**540 BRAKE PAD WARNING CIRCUIT**



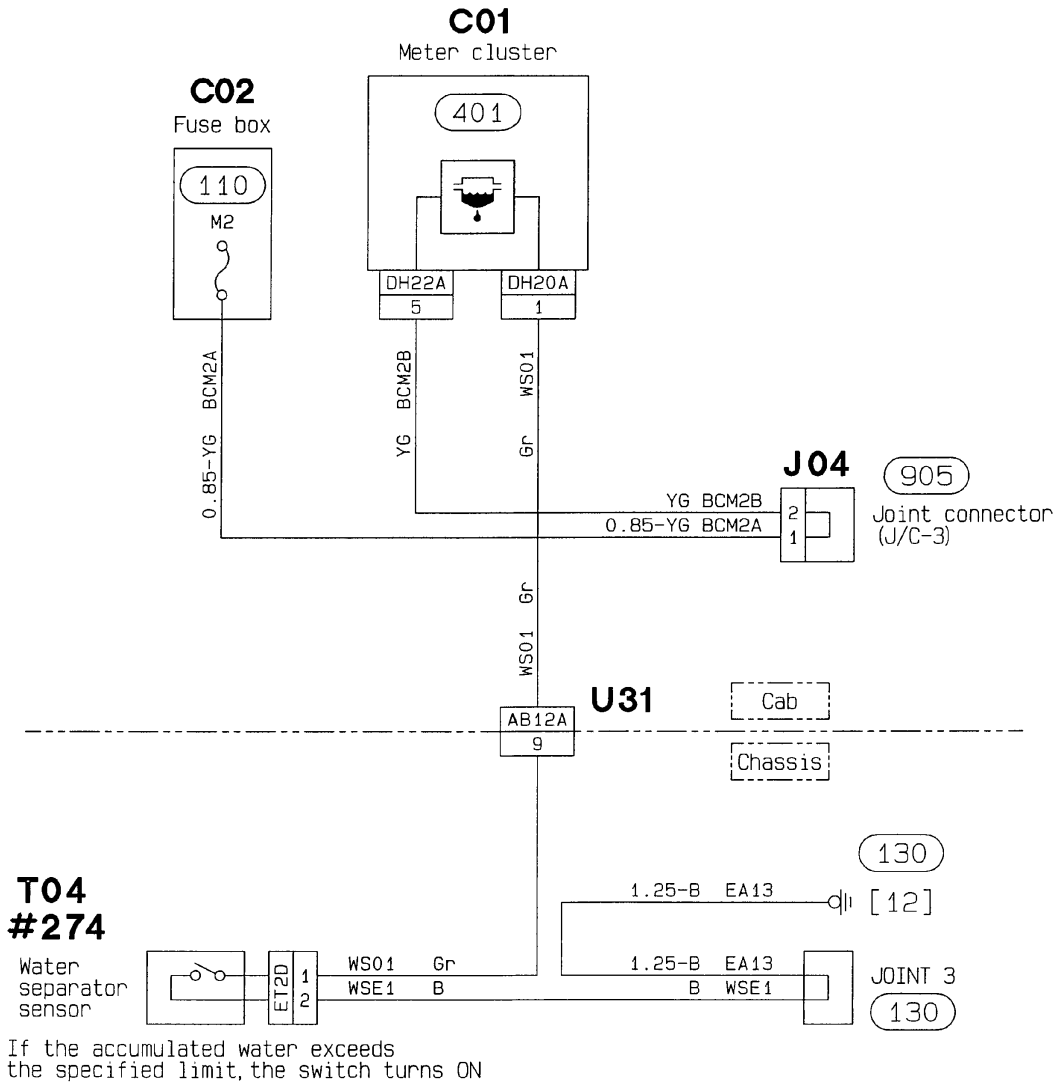
C00516

**550 CAB TILT WARNING CIRCUIT**



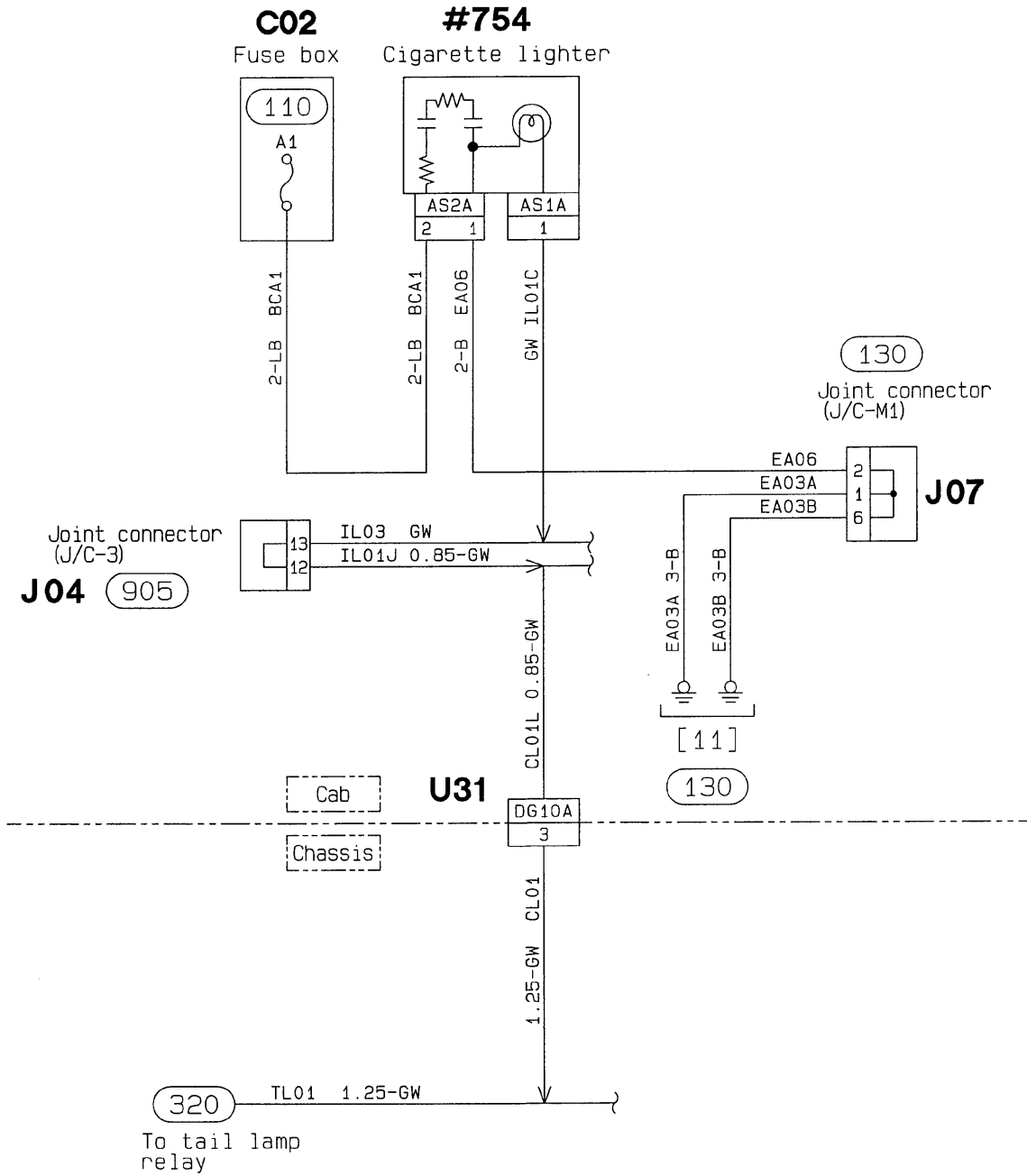
C00517

**566 FUEL FILTER WARNING CIRCUIT**



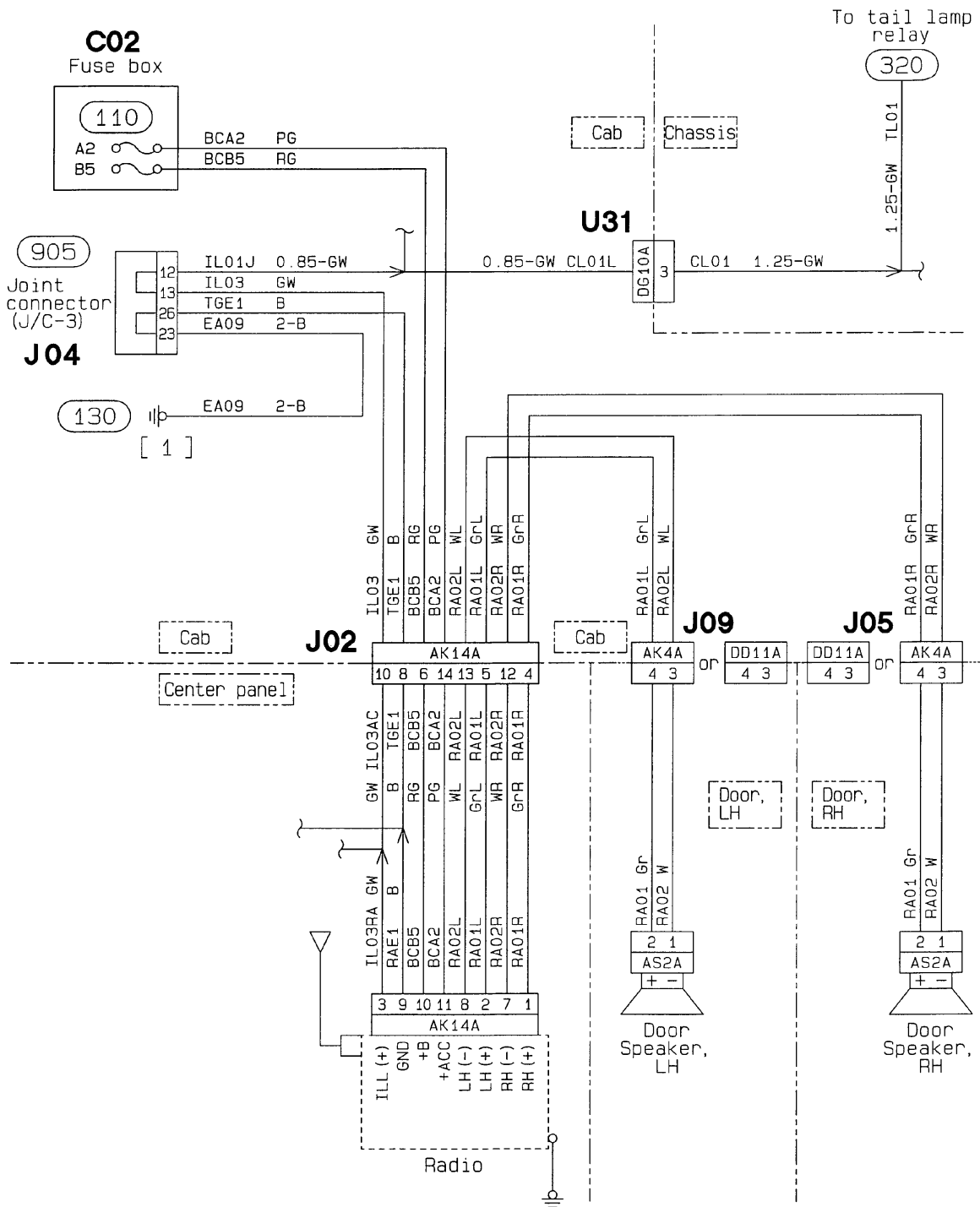
C00518

**17.6 CAB SIDE ELECTRICAL CIRCUIT**  
**610 CIGARETTE LIGHTER CIRCUIT**



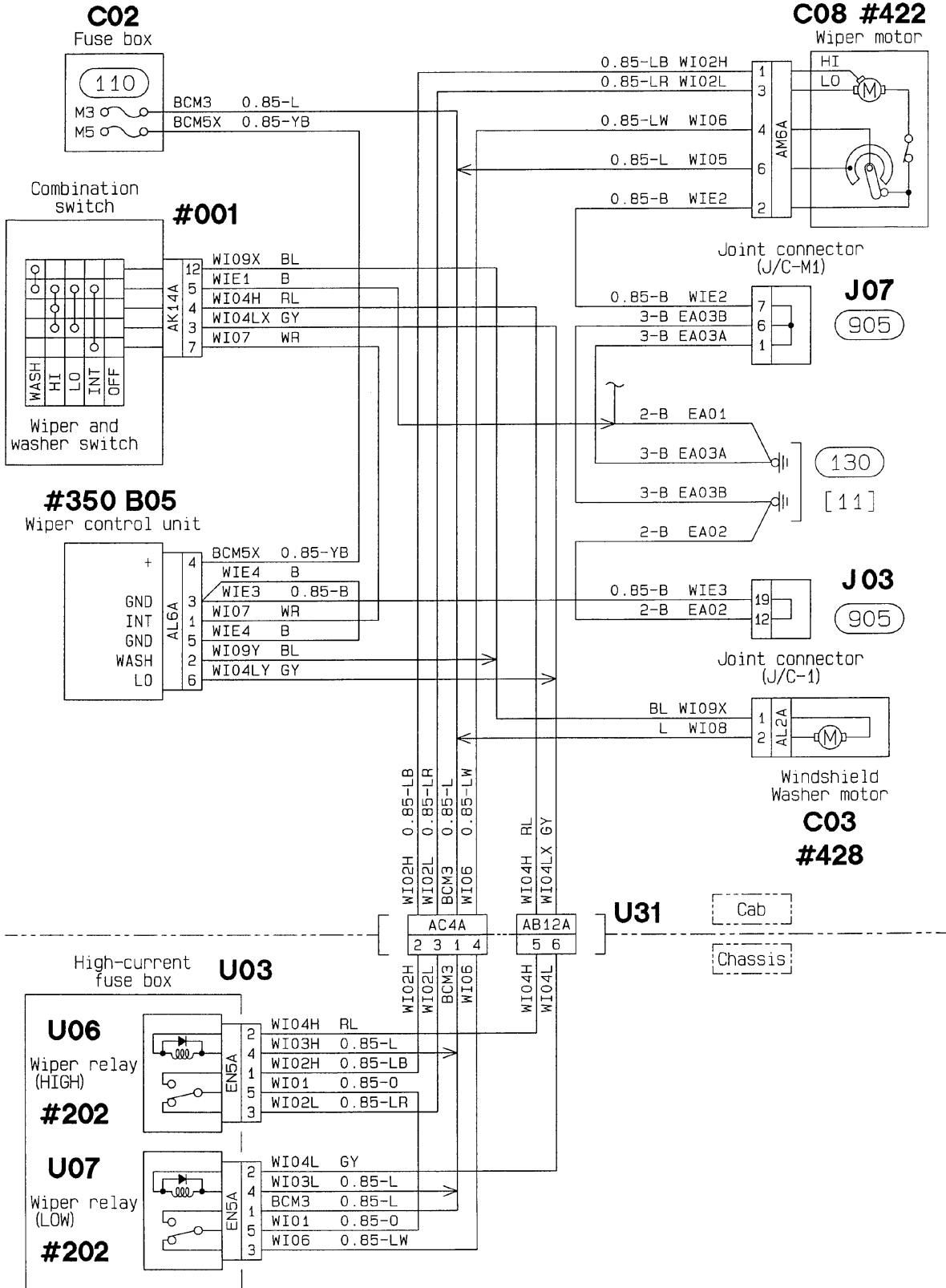
C00519

**612 AUDIO CIRCUIT**



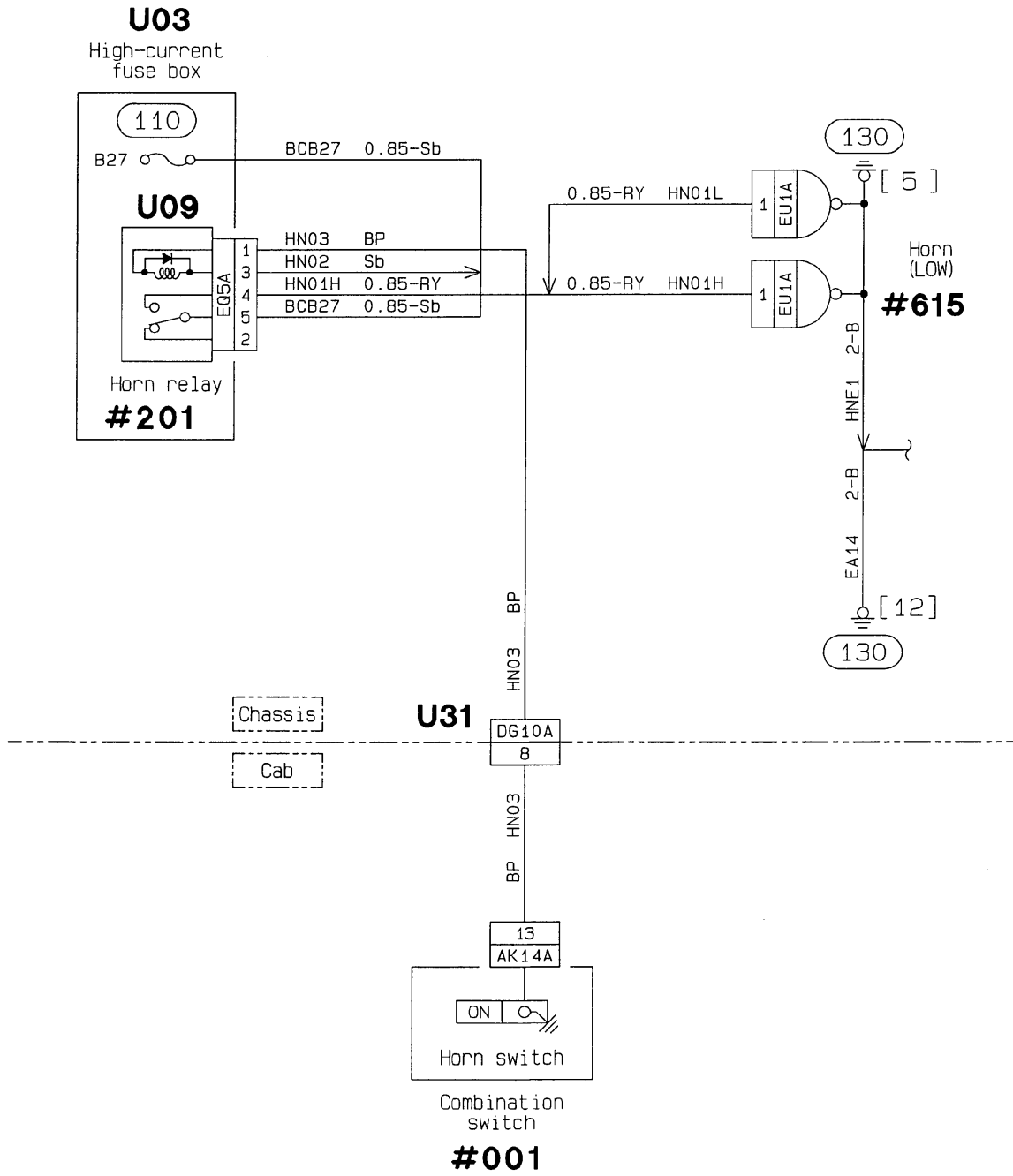
C00520

**614 WIPER AND WASHER CIRCUIT**



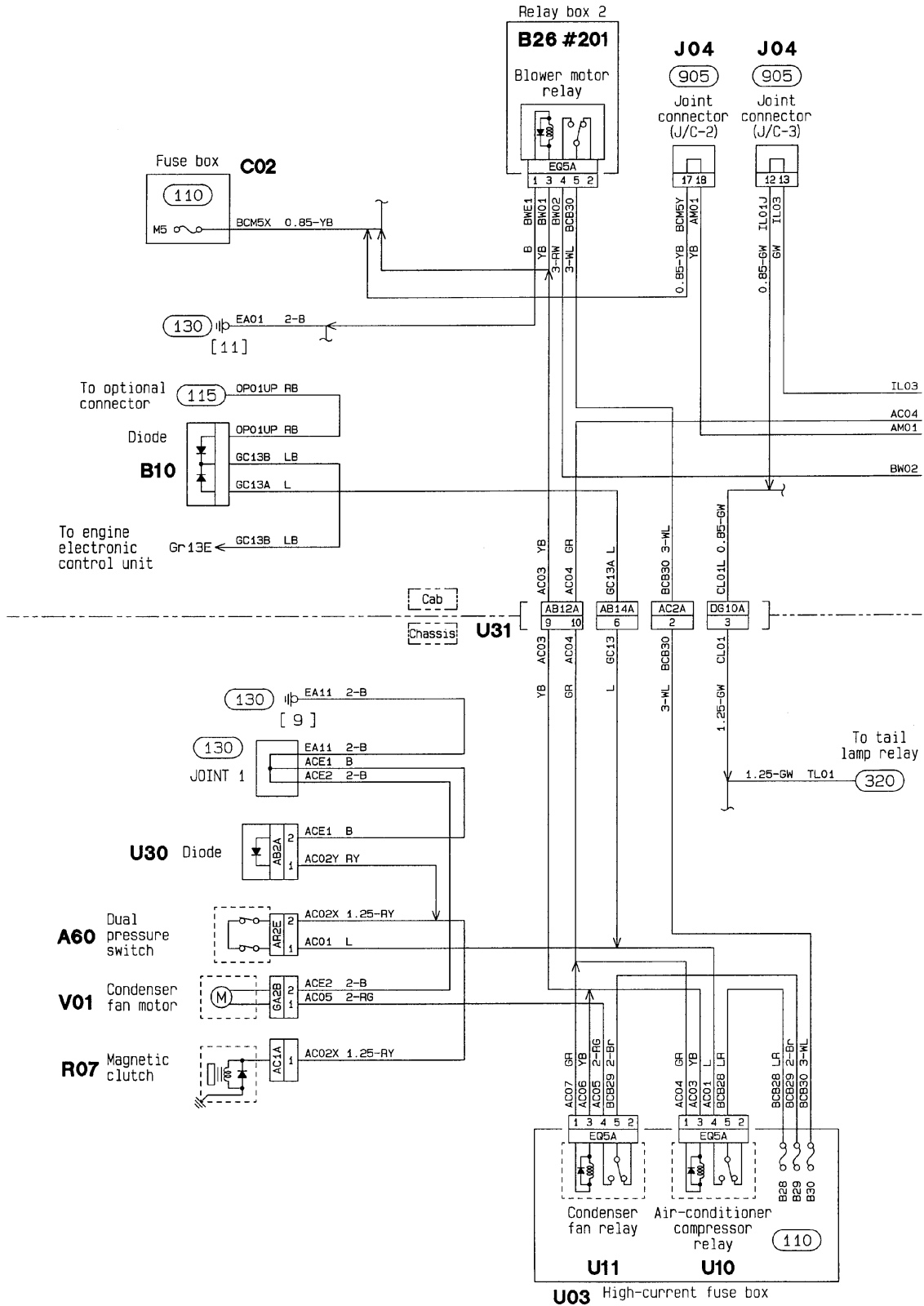
C00521

**616 HORN CIRCUIT**



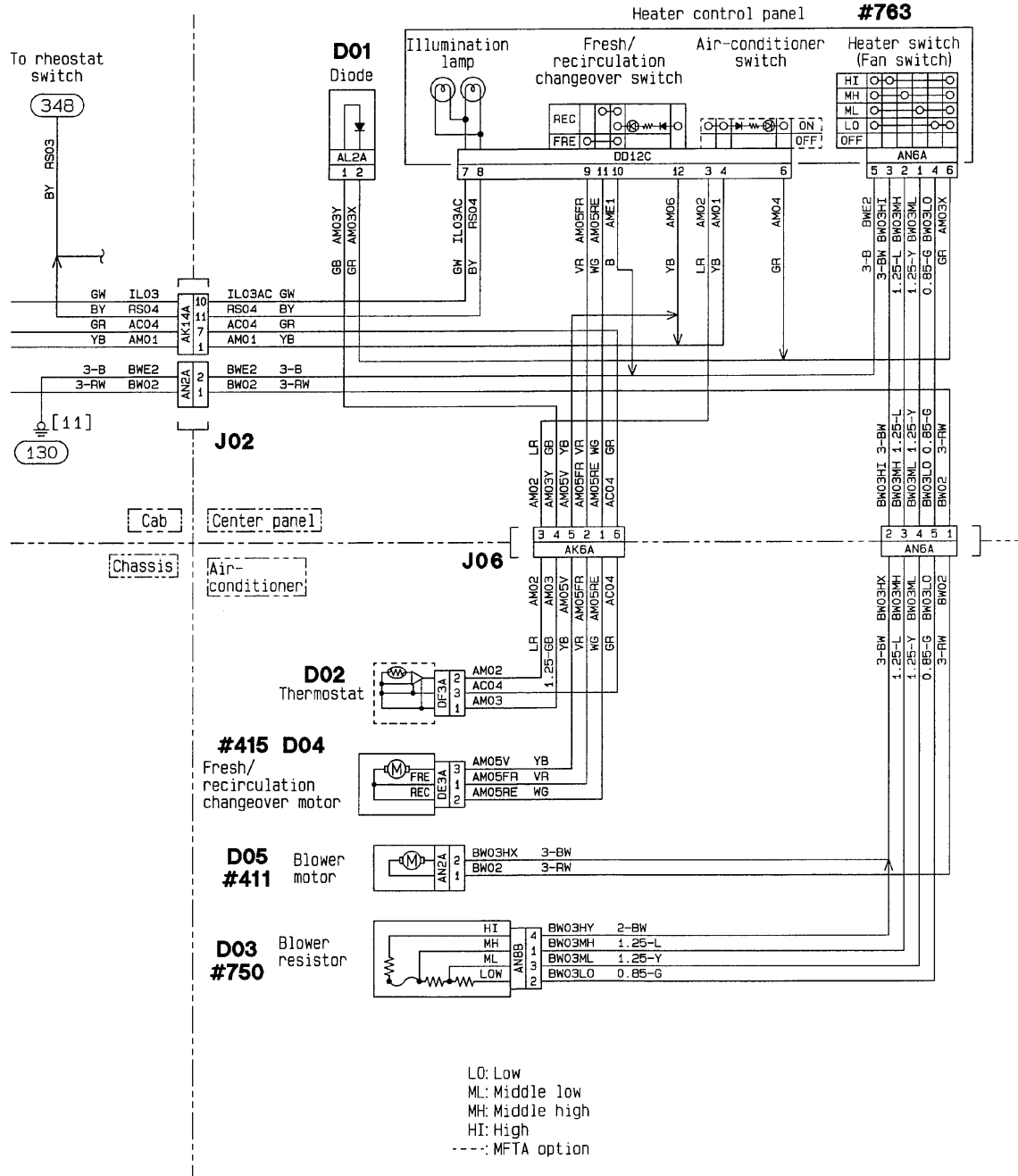
C00522

**620 AIR-CONDITIONER CIRCUIT**



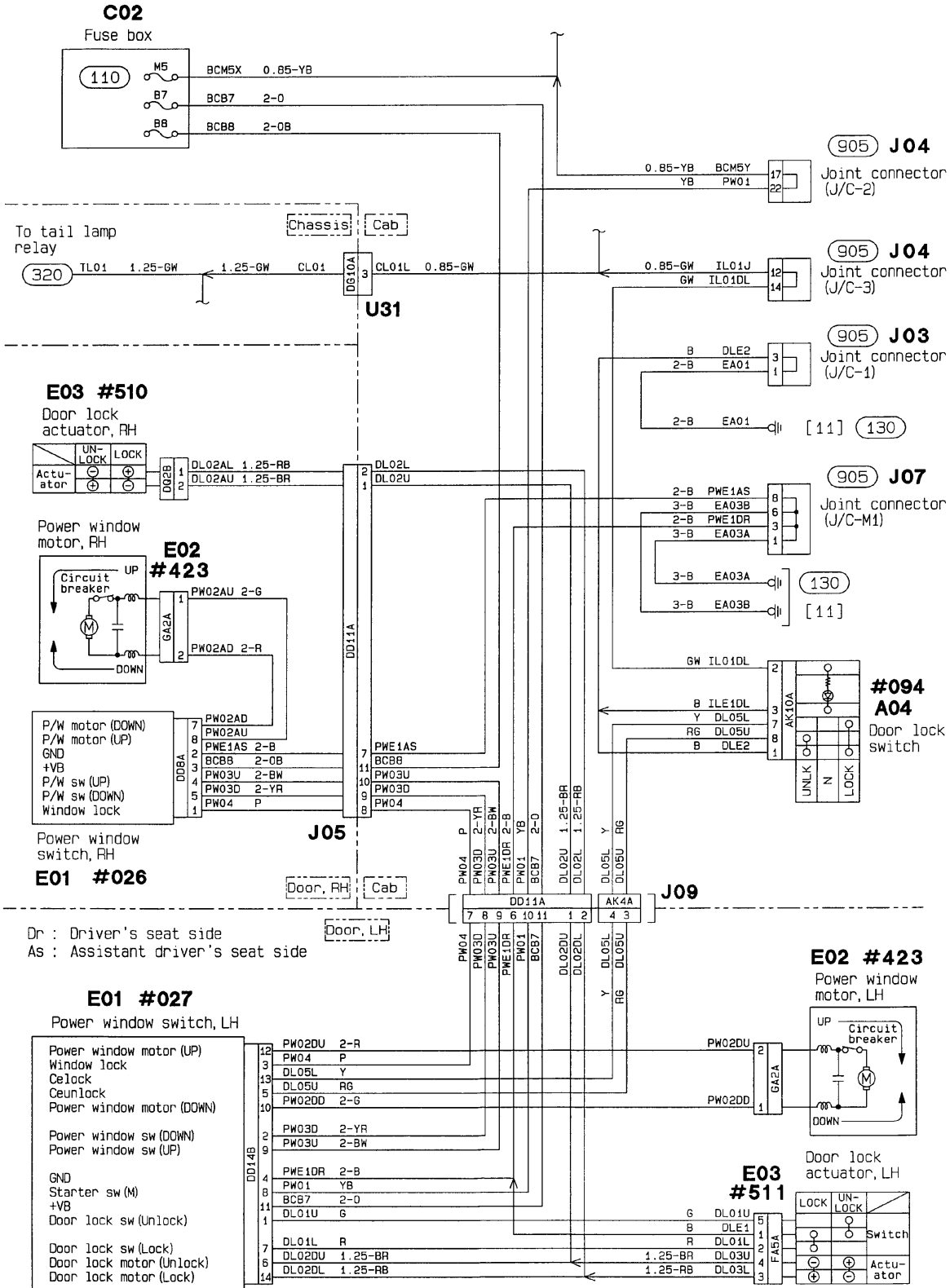
C00523-1

**620 AIR-CONDITIONER CIRCUIT**



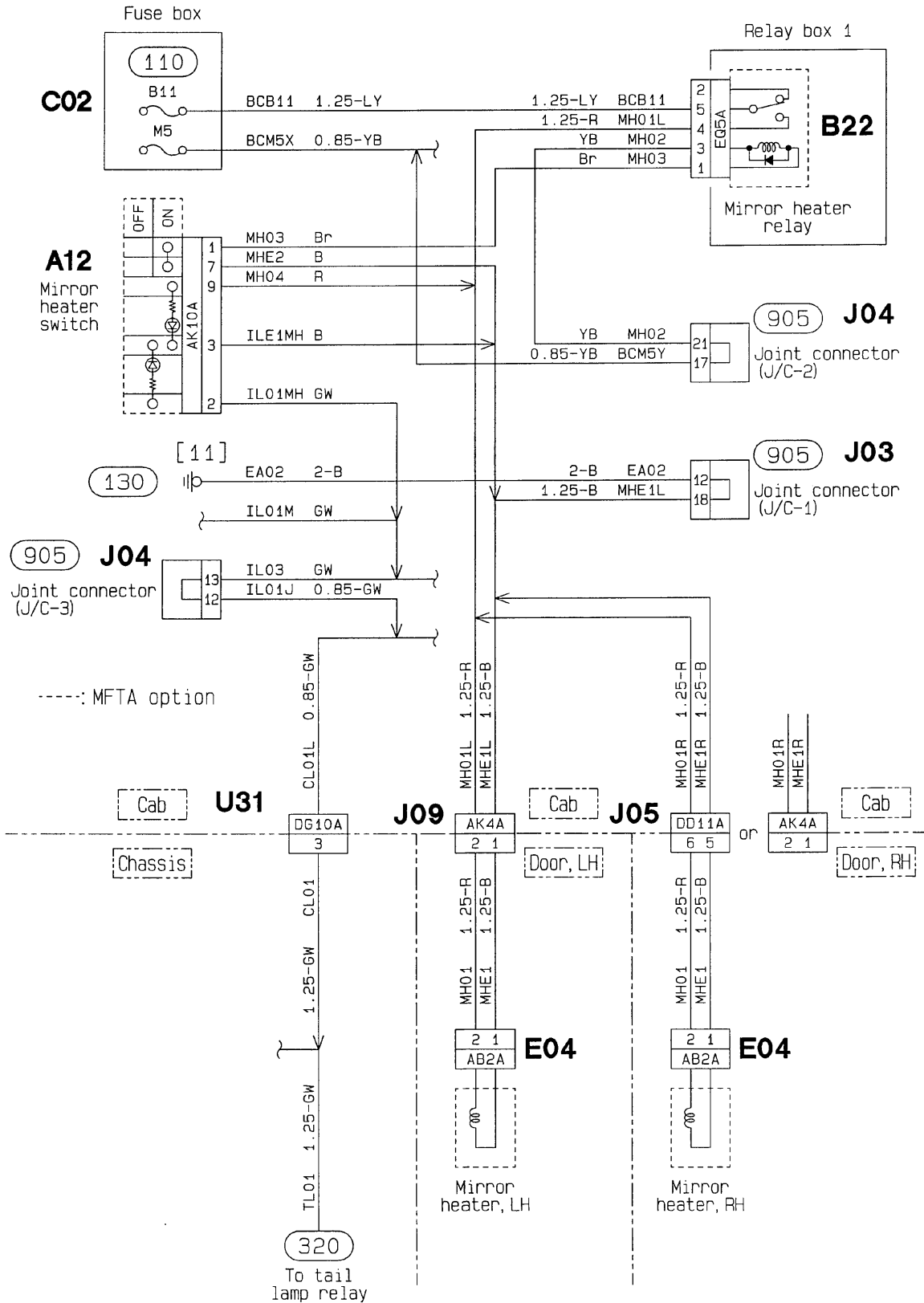
C00523-2

# 622 POWER WINDOW AND AUTO DOOR LOCK CIRCUIT



C00524

**629 MIRROR HEATER CIRCUIT**

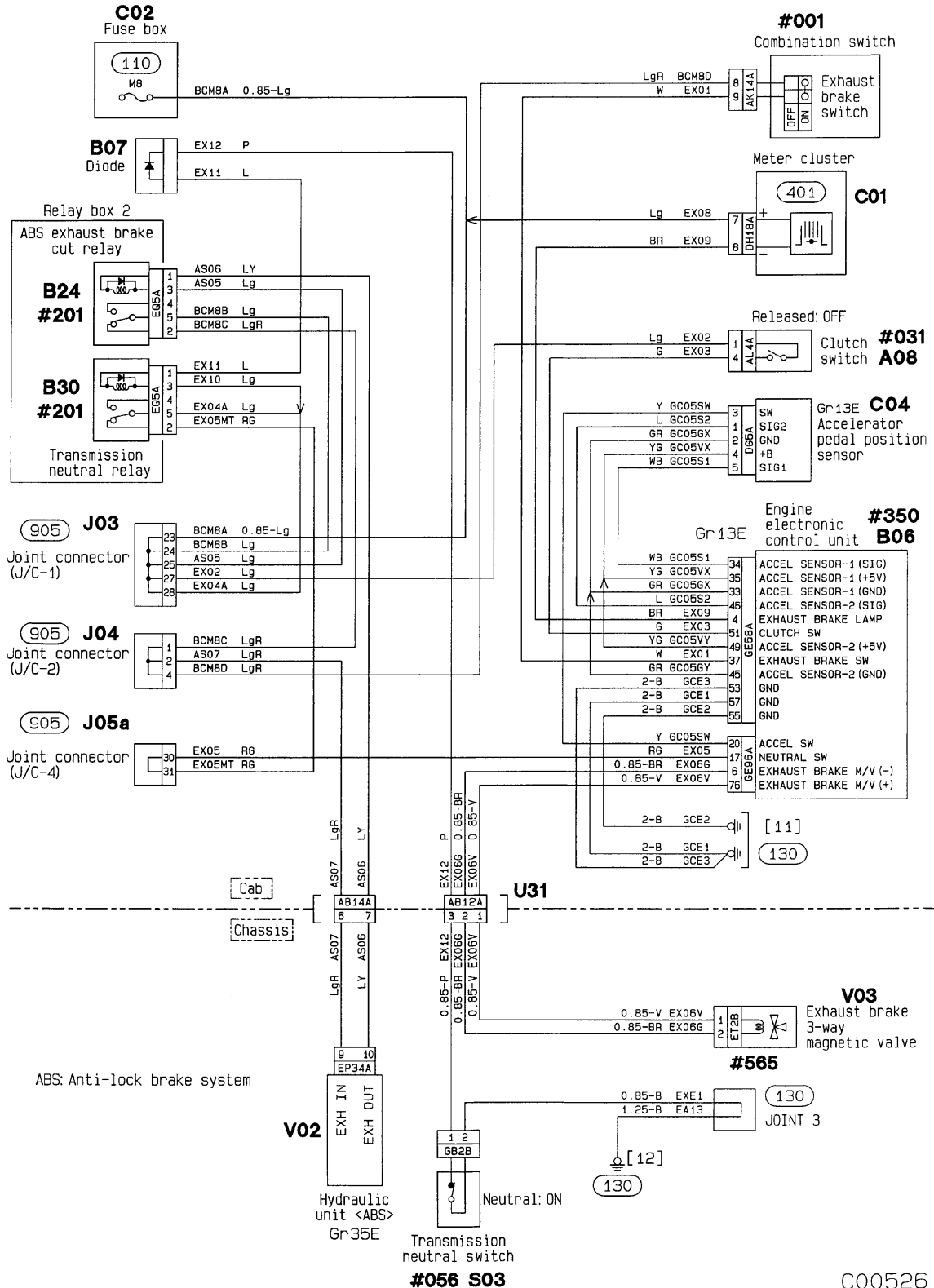


C00525

# 17.7 CHASSIS SIDE ELECTRICAL CIRCUIT

## 710 EXHAUST BRAKE CIRCUIT

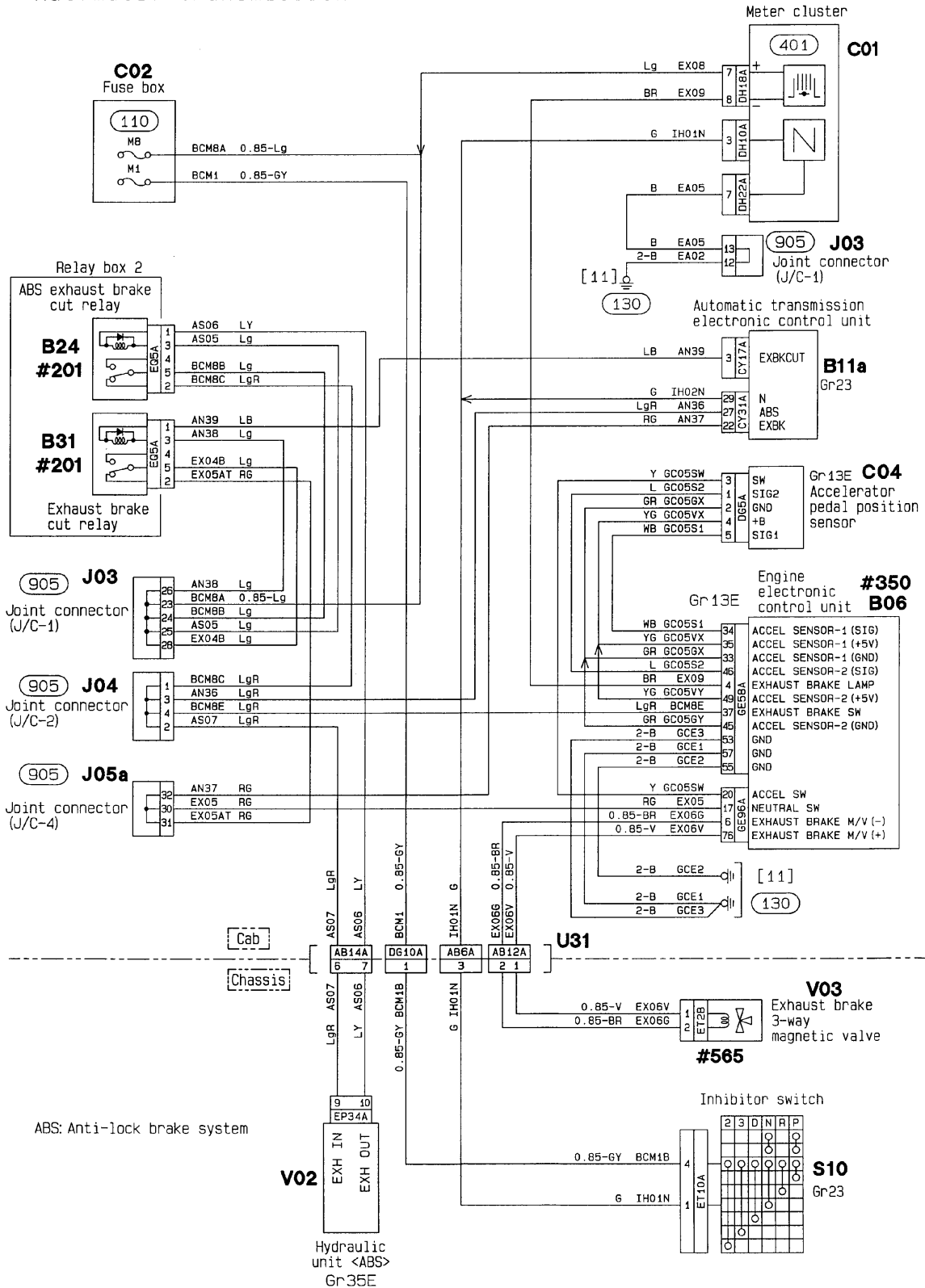
<Manual transmission>



C00526

# 710 EXHAUST BRAKE CIRCUIT

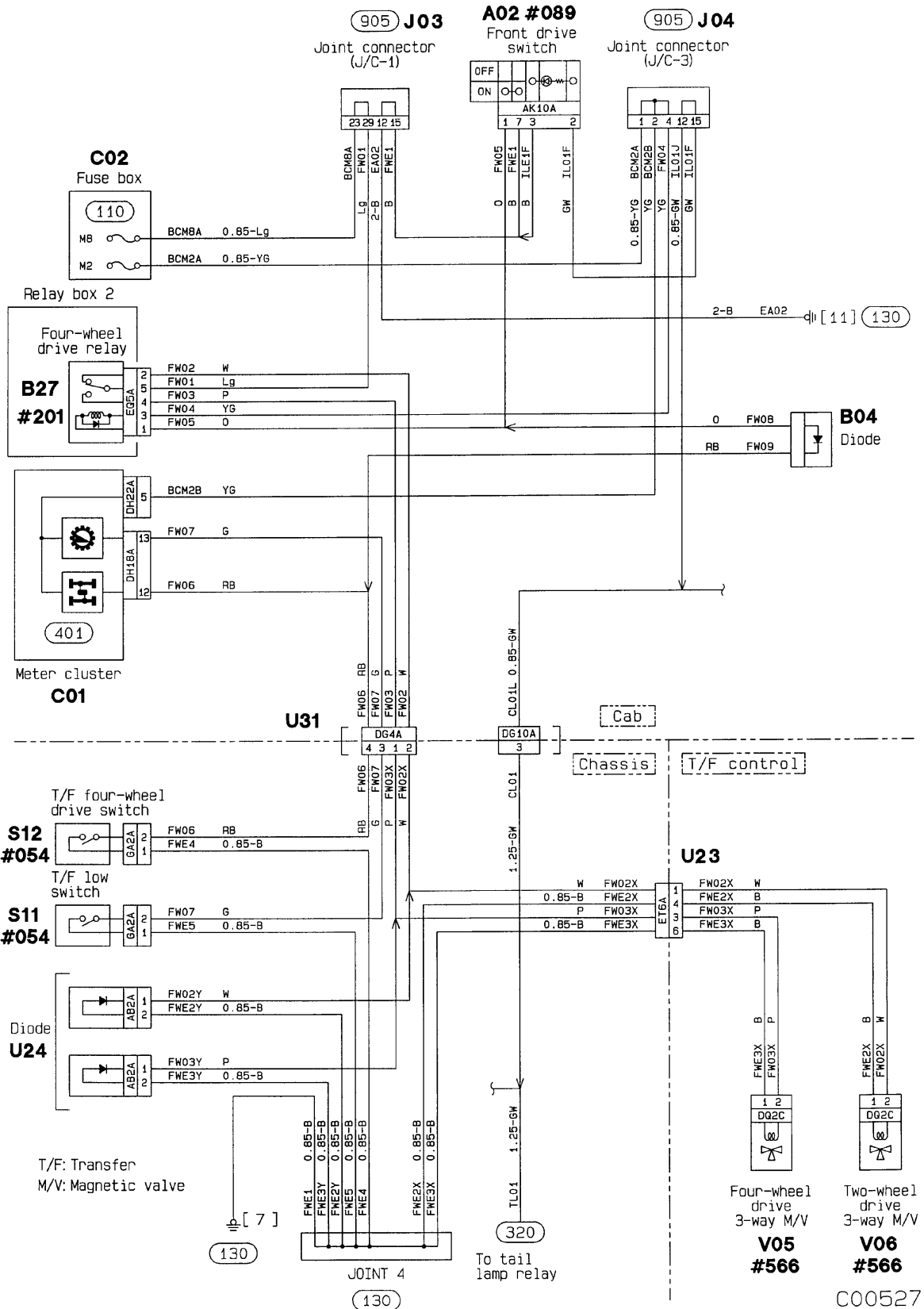
<Automatic transmission>



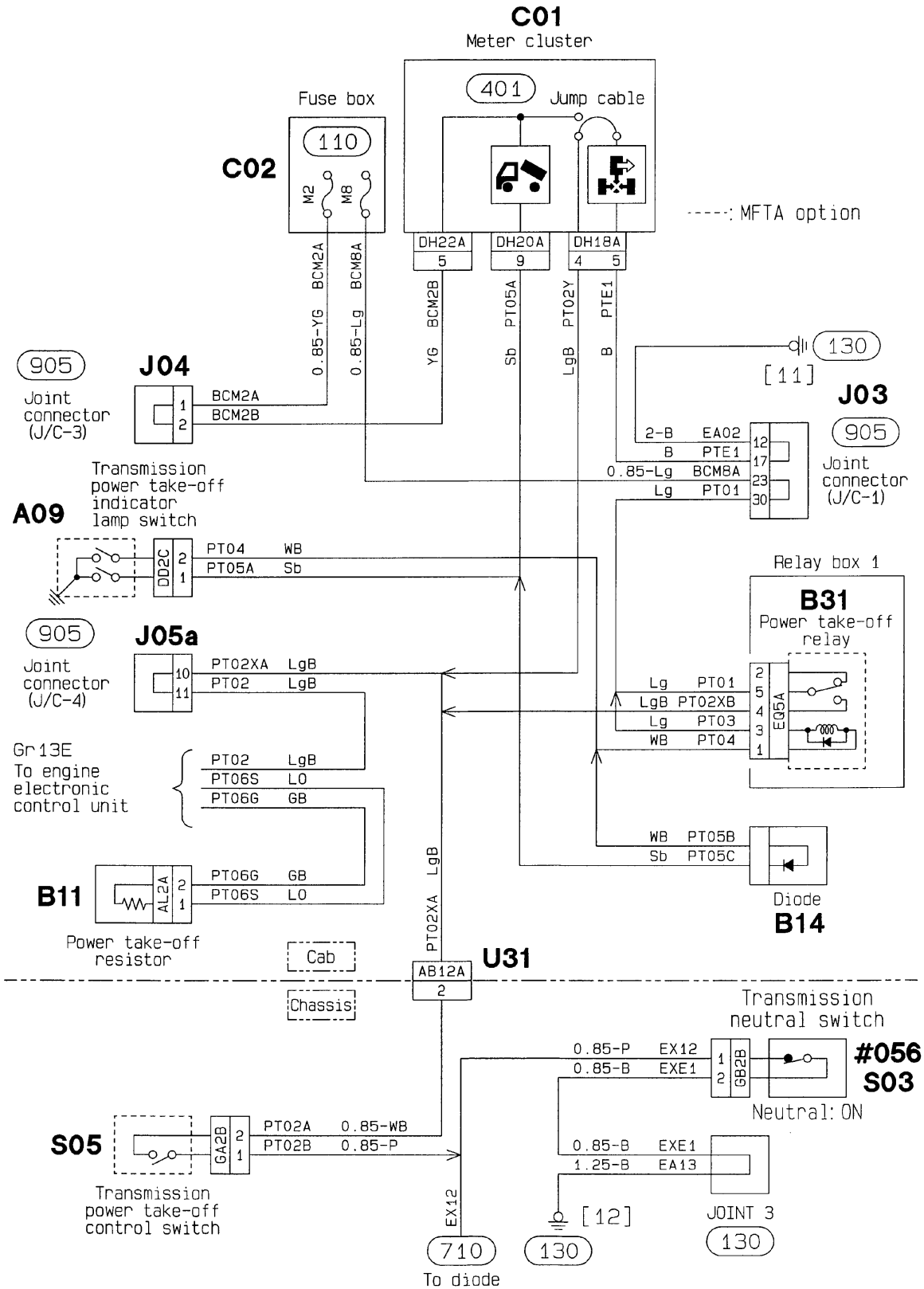
C00545

# 17.8 ENGINE AND TRANSMISSION SIDE ELECTRICAL CIRCUIT

## 810 FOUR-WHEEL DRIVE CIRCUIT <FG>



**850 TRANSMISSION POWER TAKE-OFF CIRCUIT**

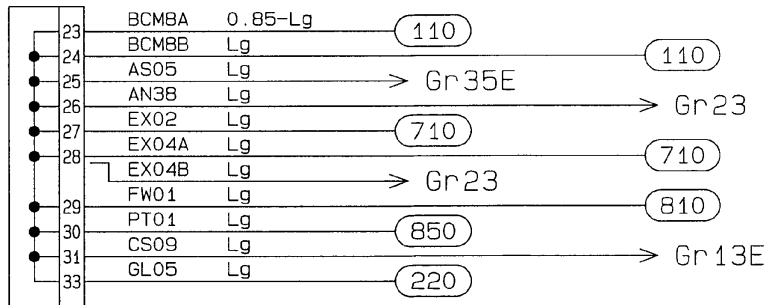
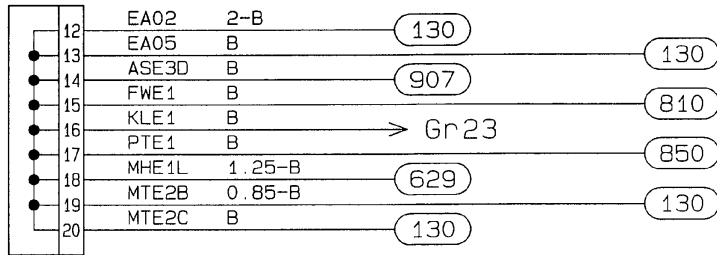
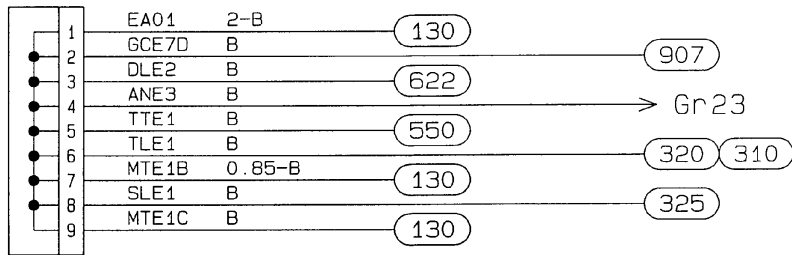


C00528

**17.9 OTHER CIRCUIT**  
**905 JOINT CONNECTOR (J/C)**

(J/C-1)

1	2	3	4	5	6	7	8	9	10	11
EA01	GCE7D	DLE2	ANE3	TTE1	TLE1	MTE1B	SLE1	MTE1C	X	—
12	13	14	15	16	17	18	19	20	21	22
EA02	EA05	ASE3D	FWE1	KLE1	PTE1	MHE1L	MTE2B	MTE2C	X	—
23	24	25	26	27	28	29	30	31	32	33
BCM8A	BCM8B	AS05	AN38	EX02	EX04A EX04B	FW01	PT01	CS09	X	GL05

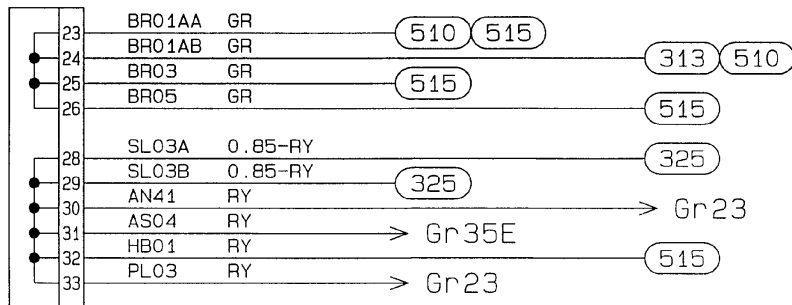
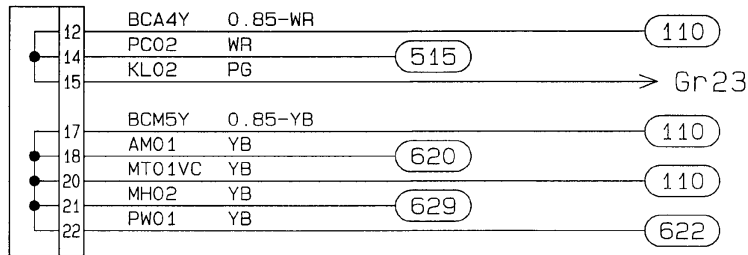
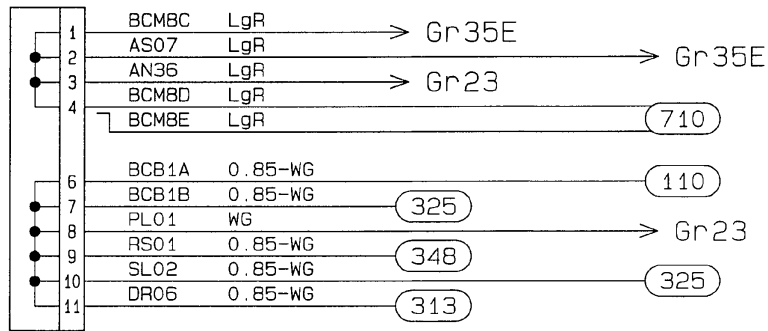


C00529

**905 JOINT CONNECTOR (J/C)**

(J/C-2)

1	2	3	4	5	6	7	8	9	10	11
BCMBC	AS07	AN36	BCM8D BCM8E	X	BCB1A	BCB1B	PL01	RS01	SL02	DR06
12	13	14	15	16	17	18	19	20	21	22
BCA4Y	—	PC02	KL02	X	BCM5Y	AM01	—	MT01VC	MH02	PW01
23	24	25	26	27	28	29	30	31	32	33
BR01AA	BR01AB	BR03	BR05	X	SL03A	SL03B	AN41	AS04	HB01	PL03

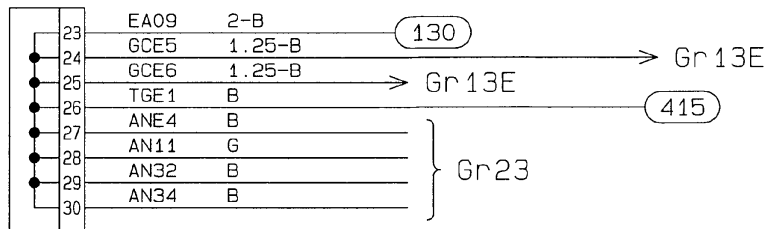
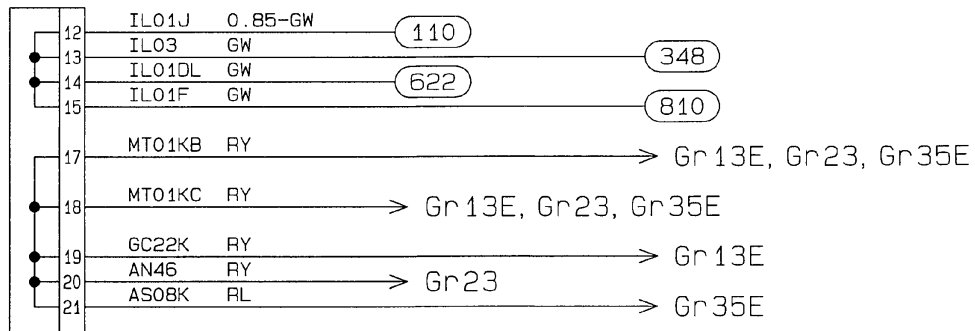
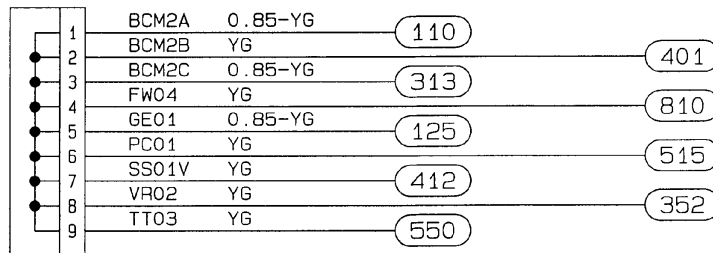


C00530

**905 JOINT CONNECTOR (J/C)**

(J/C-3)

1	2	3	4	5	6	7	8	9	10	11
BCM2A	BCM2B	BCM2C	FW04	GE01	PC01	SS01V	VR02	TT03	X	—
12	13	14	15	16	17	18	19	20	21	22
IL01J	IL03	IL01DL	IL01F	X	MT01KB	MT01KC	GC22K	AN46	AS08K	—
23	24	25	26	27	28	29	30	31	32	33
EA09	GCE5	GCE6	TGE1	ANE4	AN11	AN32	AN34	—	X	—

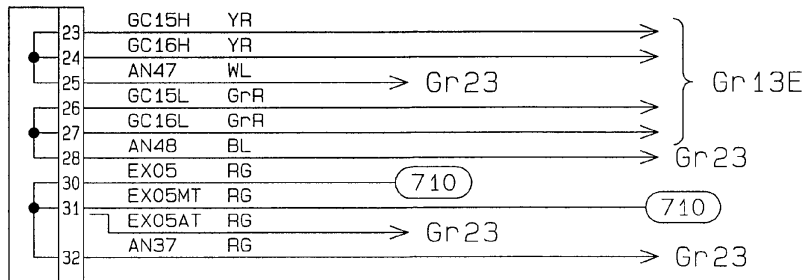
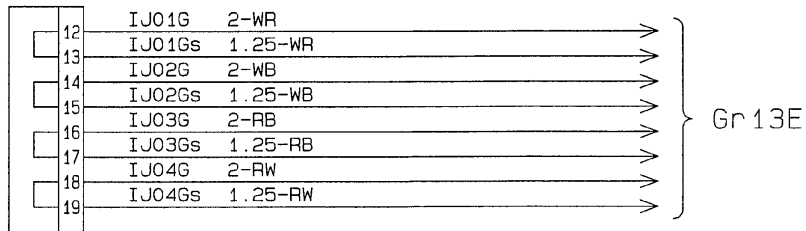
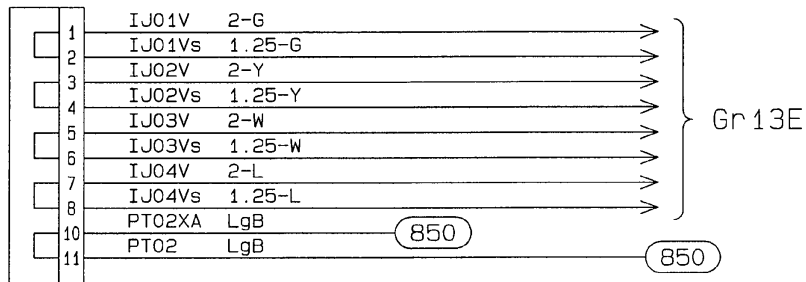


C00531

**905 JOINT CONNECTOR (J/C)**

(J/C-4)

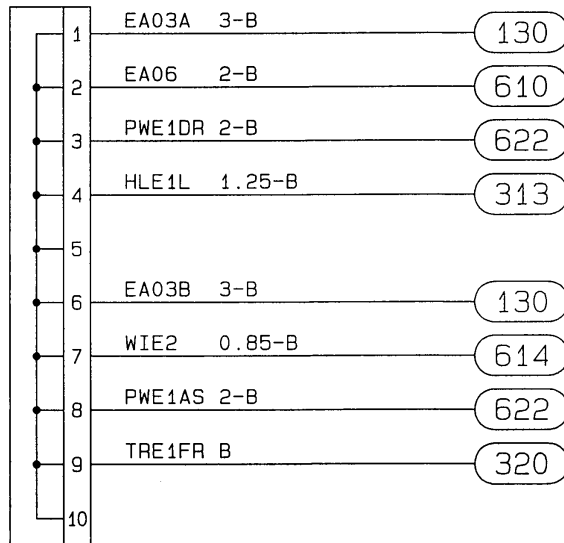
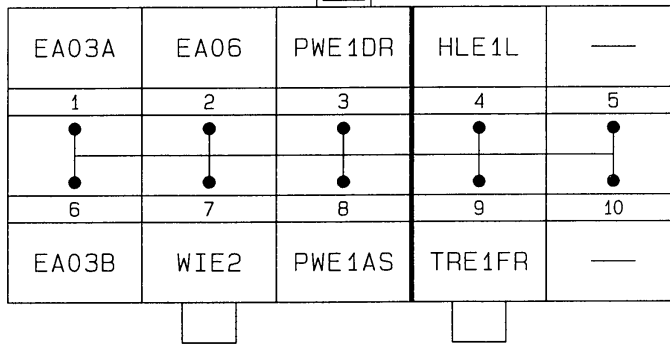
1	2	3	4	5	6	7	8	9	10	11
IJ01V	IJ01Vs	IJ02V	IJ02Vs	IJ03V	IJ03Vs	IJ04V	IJ04Vs	X	PT02XA	PT02
12	13	14	15	16	17	18	19	20	21	22
IJ01G	IJ01Gs	IJ02G	IJ02Gs	IJ03G	IJ03Gs	IJ04G	IJ04Gs	X	—	—
23	24	25	26	27	28	29	30	31	32	33
GC15H	GC16H	AN47	GC15L	GC16L	AN48	X	EX05	EX05AT EX05MT	AN37	—



C00532

**905 JOINT CONNECTOR (J/C)**

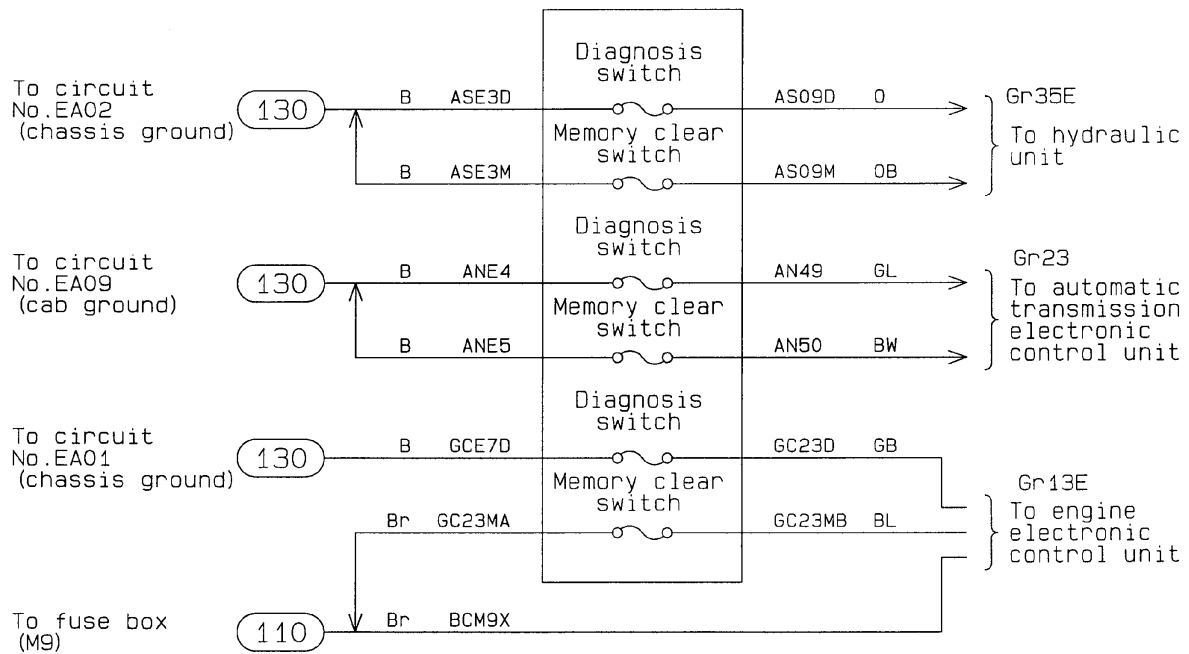
(J/C-M1)



C00533

**907** DIAGNOSIS SWITCH, MEMORY CLEAR SWITCH

**C02** Fuse box



The fuse is substituted for diagnosis switch and the memory clear switch.

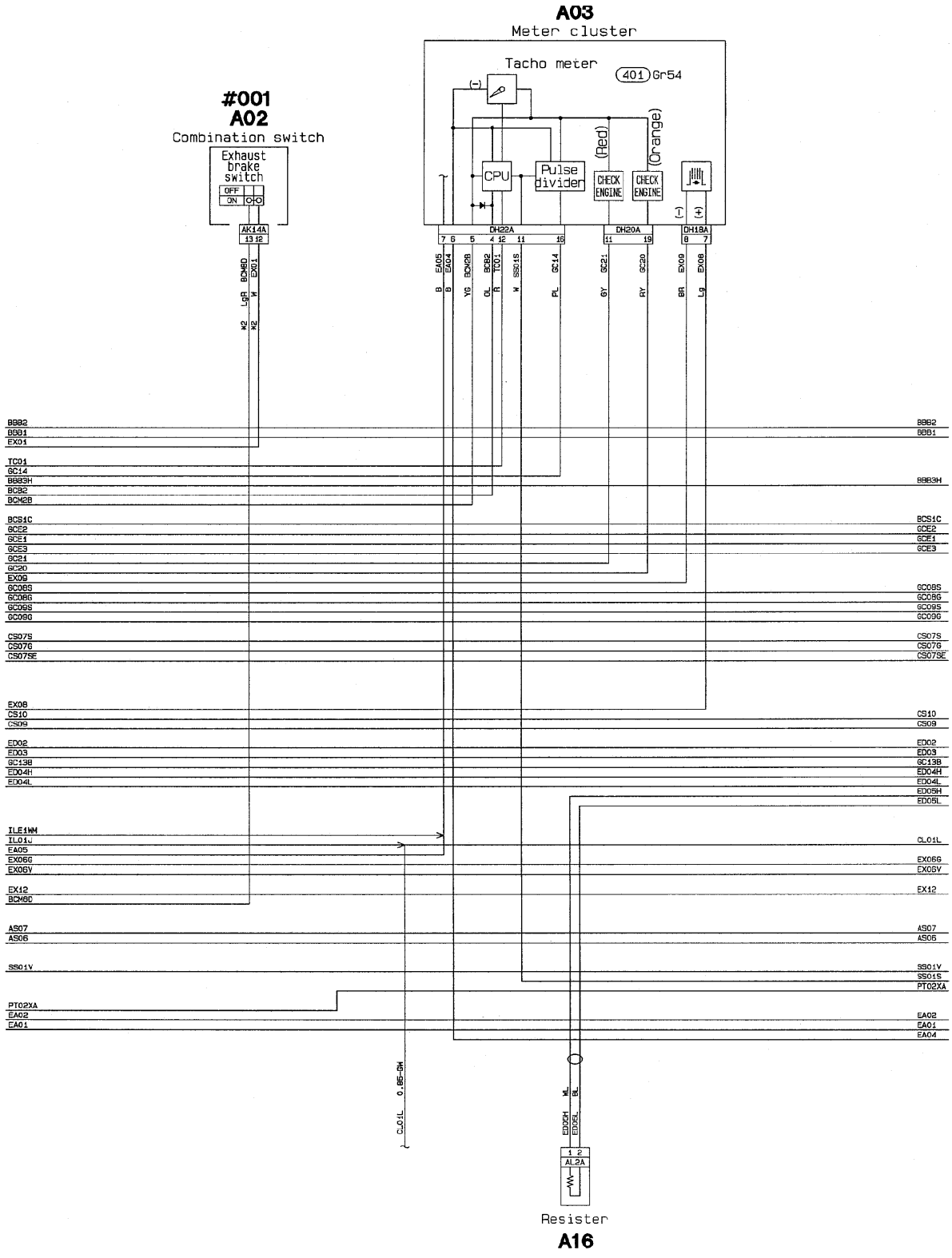
C00534







# ELECTRONICALLY CONTROLLED FUEL SYSTEM CIRCUIT



C00460-4





# EMISSION CONTROL CIRCUIT

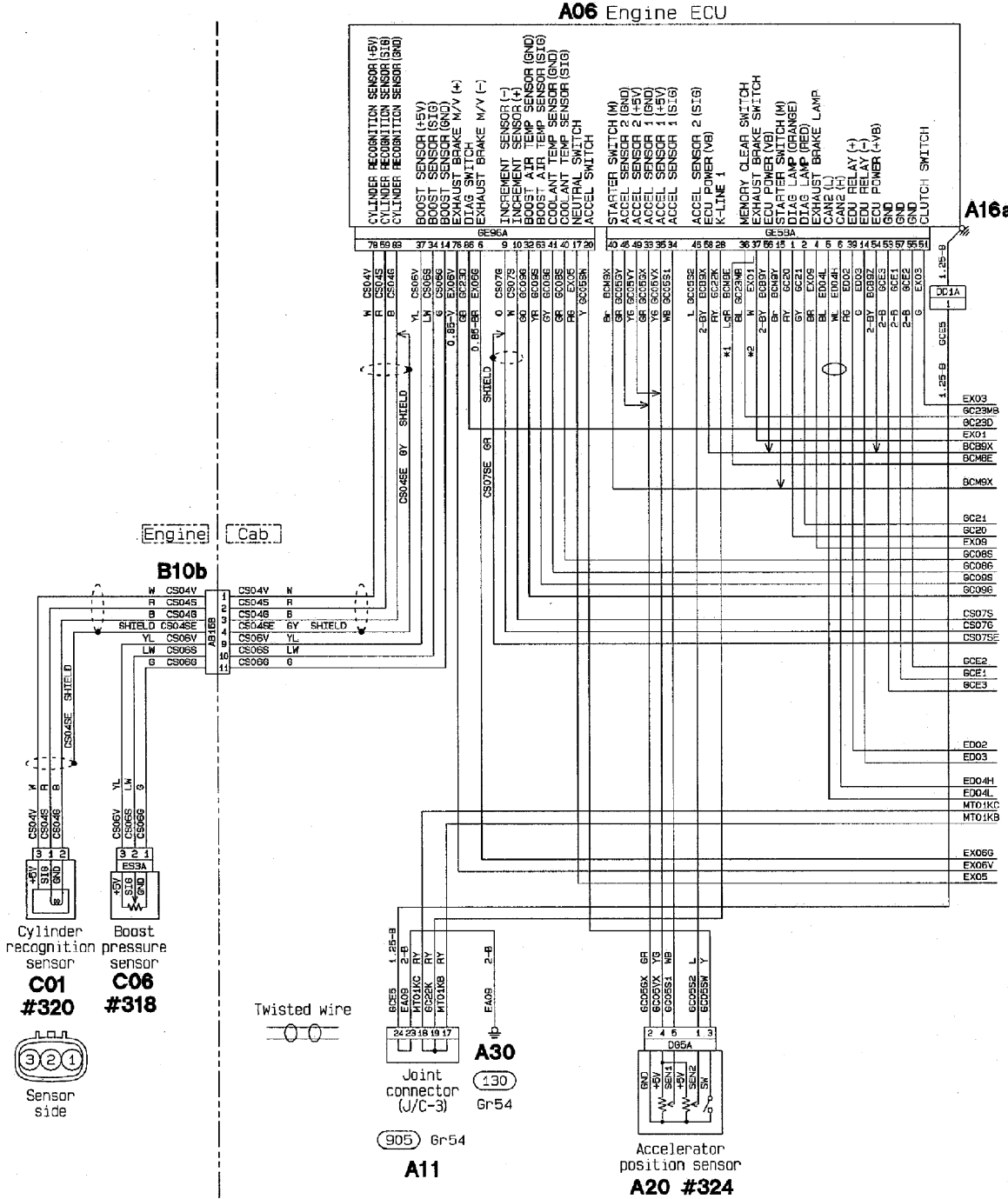
ECU side

GE96A

GE58A

24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25
72	71	70	69	68	67	66	65	64	63	62	61	60	59	58	57	56	55	54	53	52	51	50	49
95	94	93	92		91	90	89	88	87	86	85	84	83	82	81	80	79	78	77	76	75	74	73

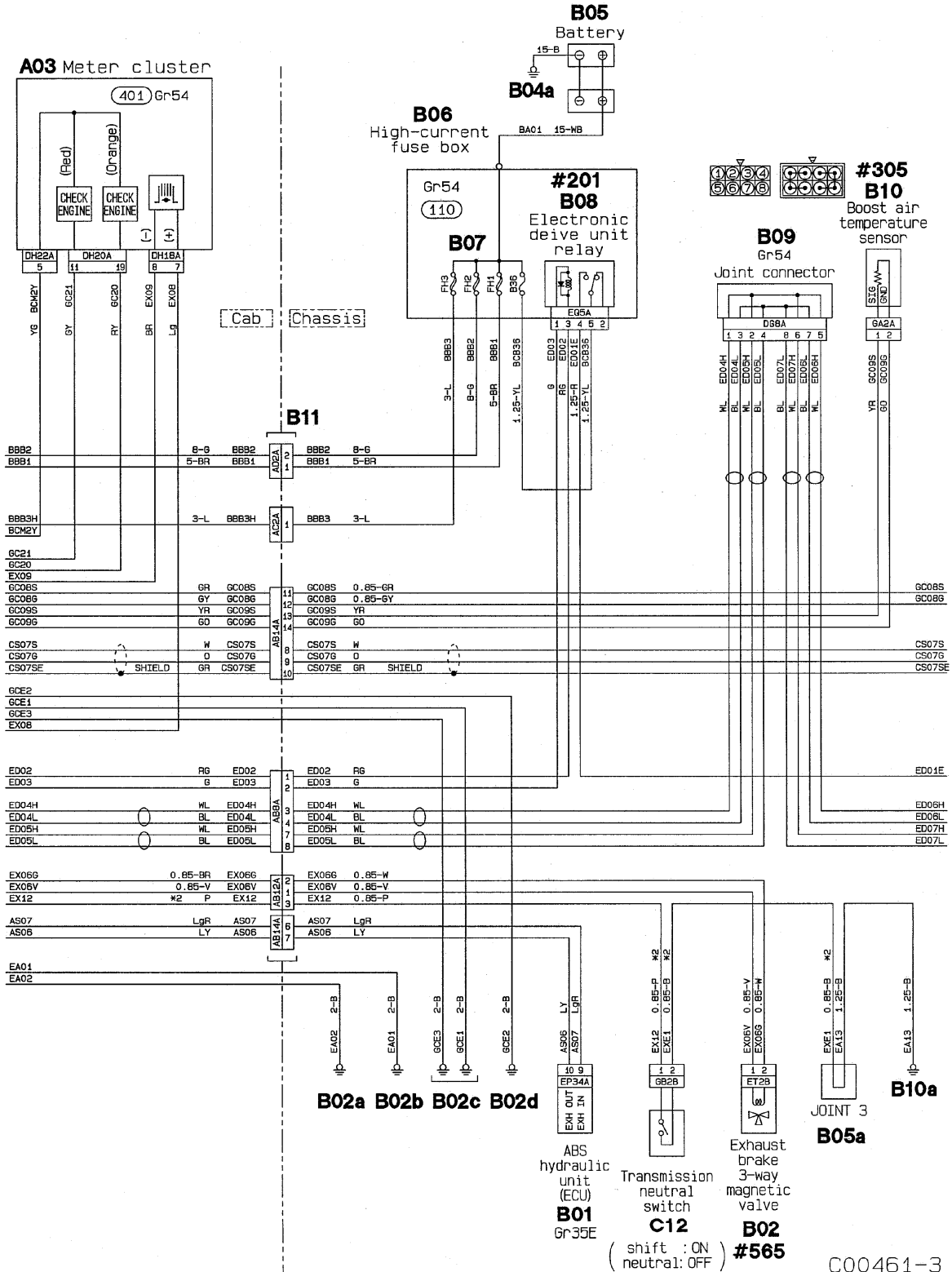
54	53	52	12	11	10	9	8	7	6	5	4	3	2	1
88	85	83	35	24	23	22	21	20	19	18	17	16	15	14
38	37	36	38	37	36	35	34	33	32	31	30	29	28	27
51	50	49	51	50	49	48	47	46	45	44	43	42	41	40



C00461-1

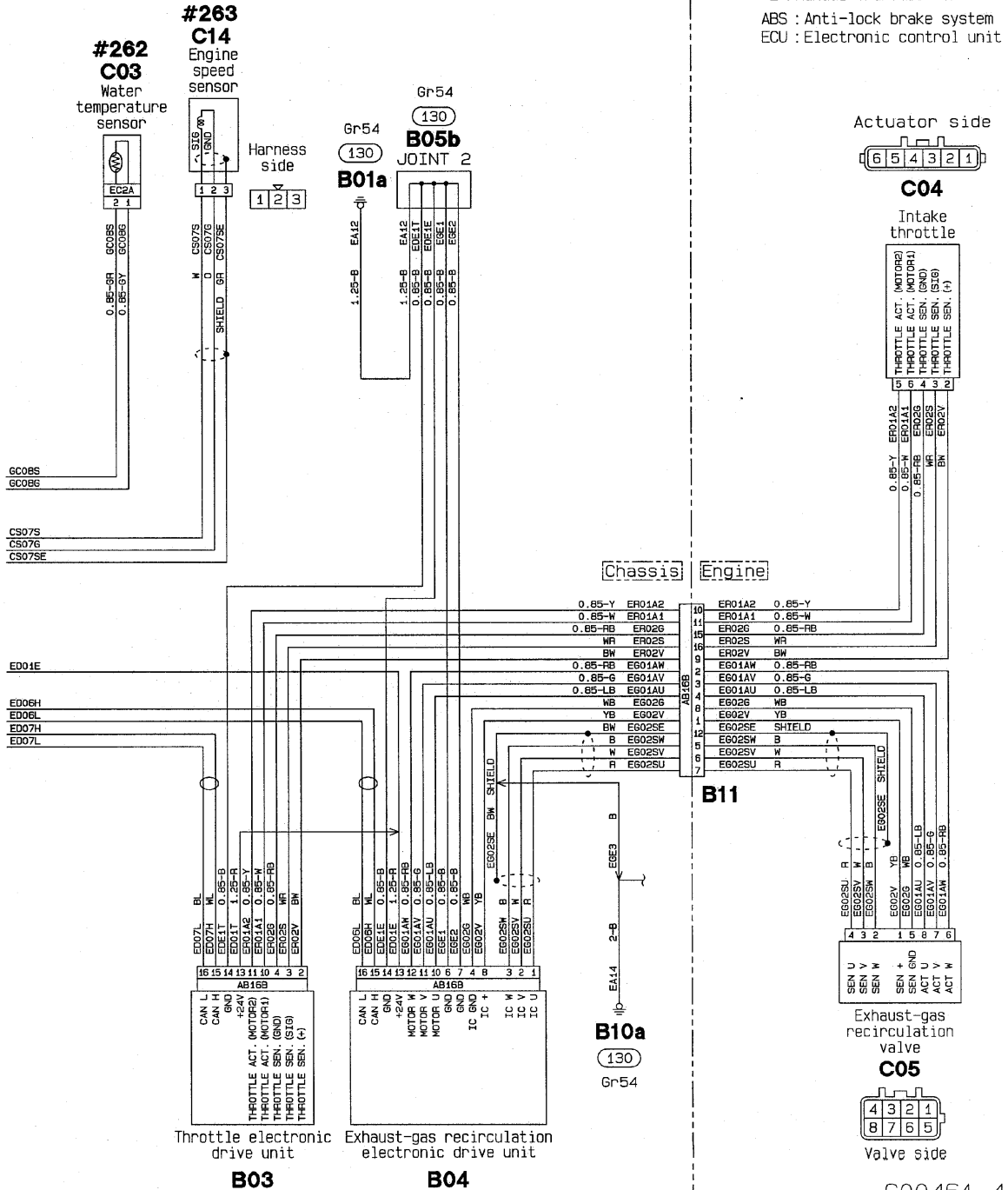


# EMISSION CONTROL CIRCUIT



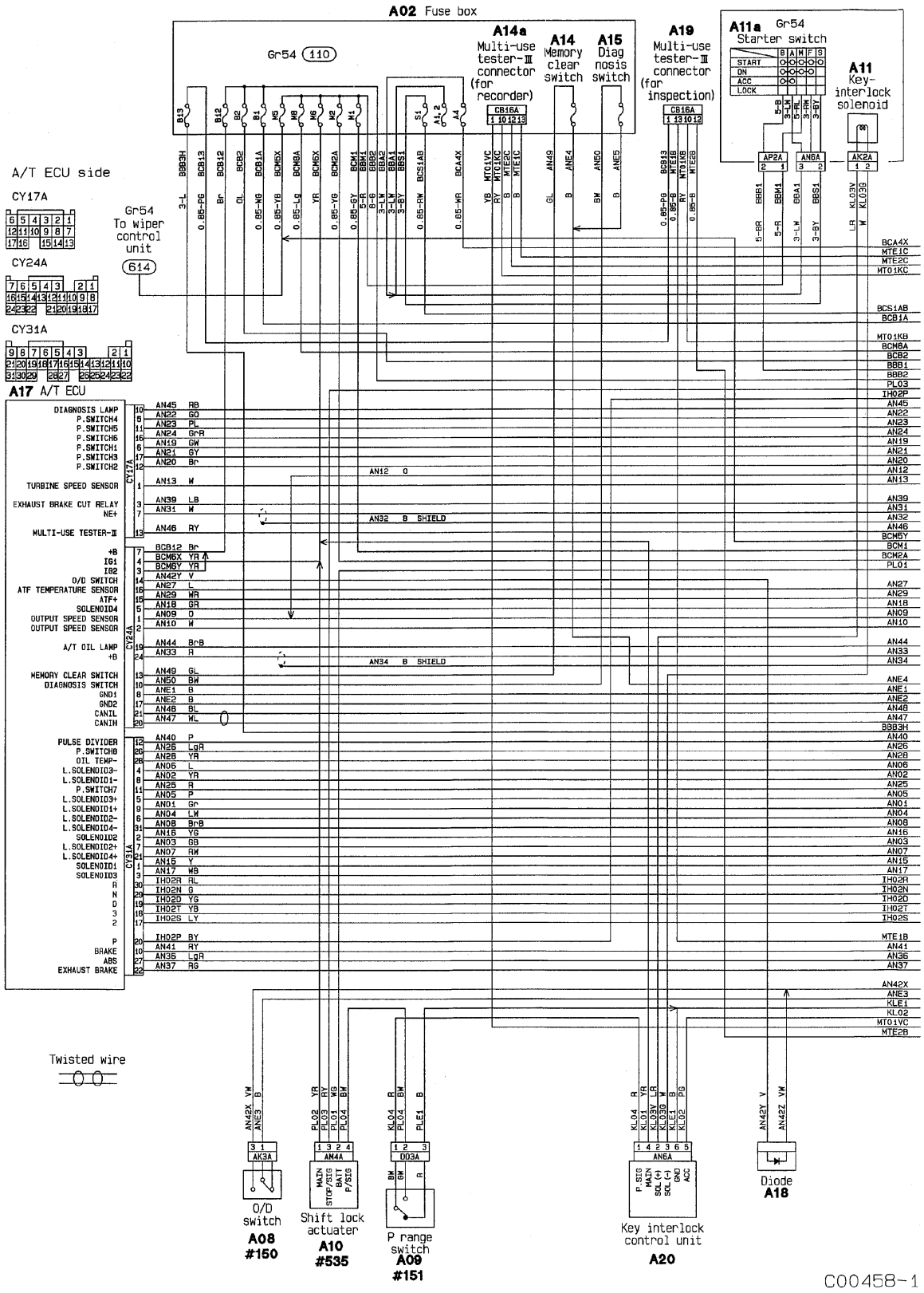
C00461-3

# EMISSION CONTROL CIRCUIT



C00461-4

# AUTOMATIC TRANSMISSION CIRCUIT

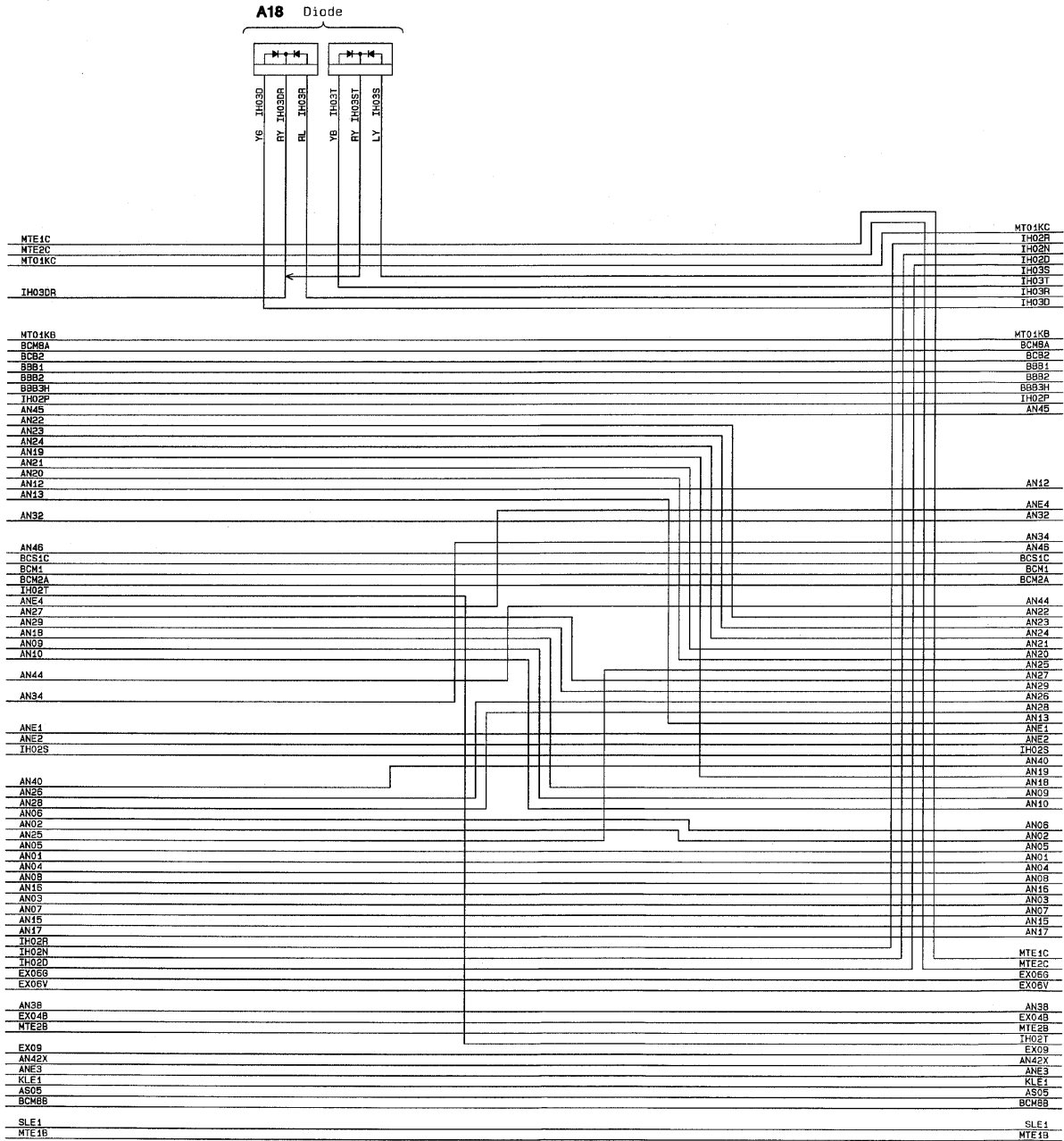


C00458-1



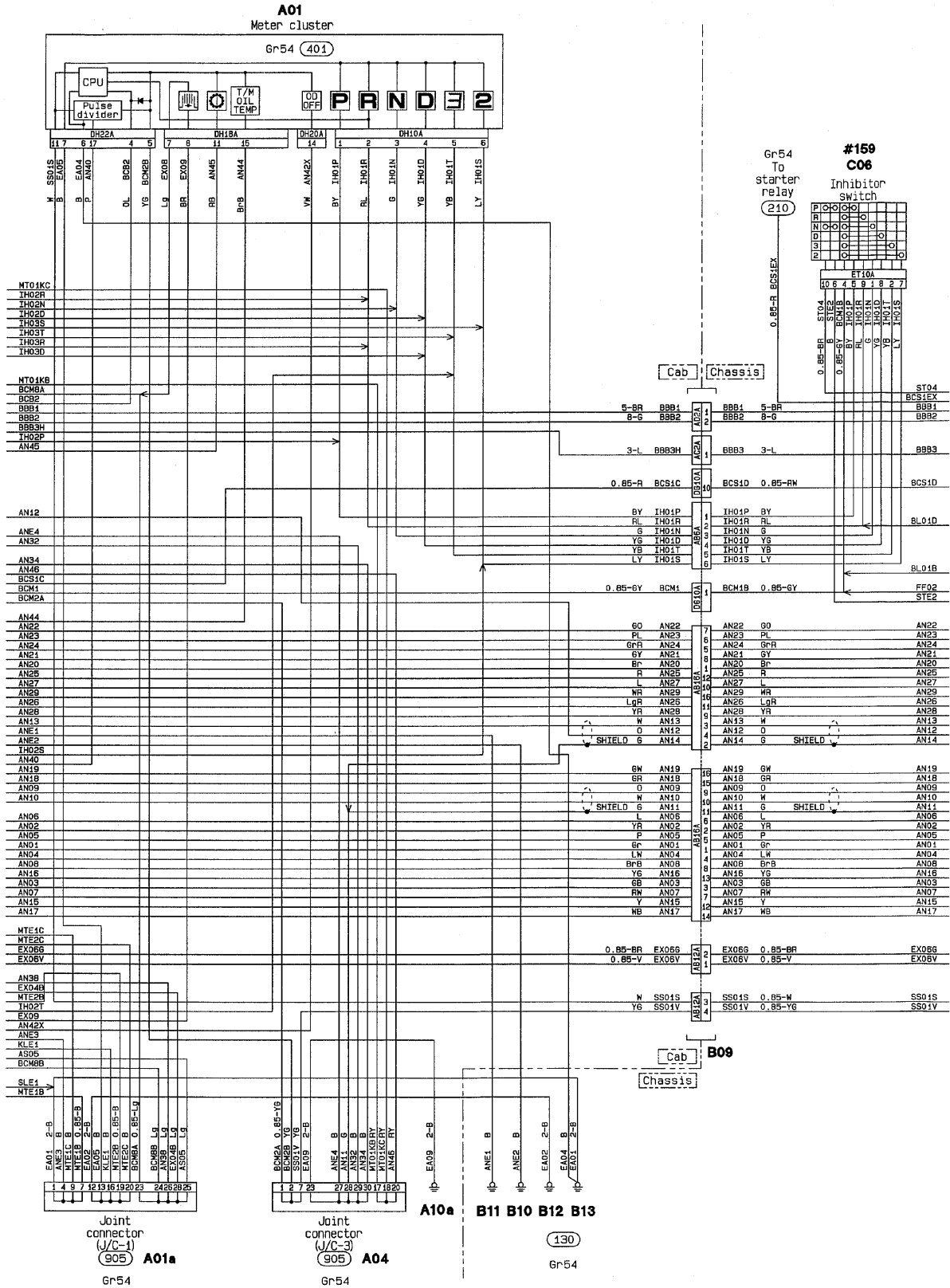


# AUTOMATIC TRANSMISSION CIRCUIT



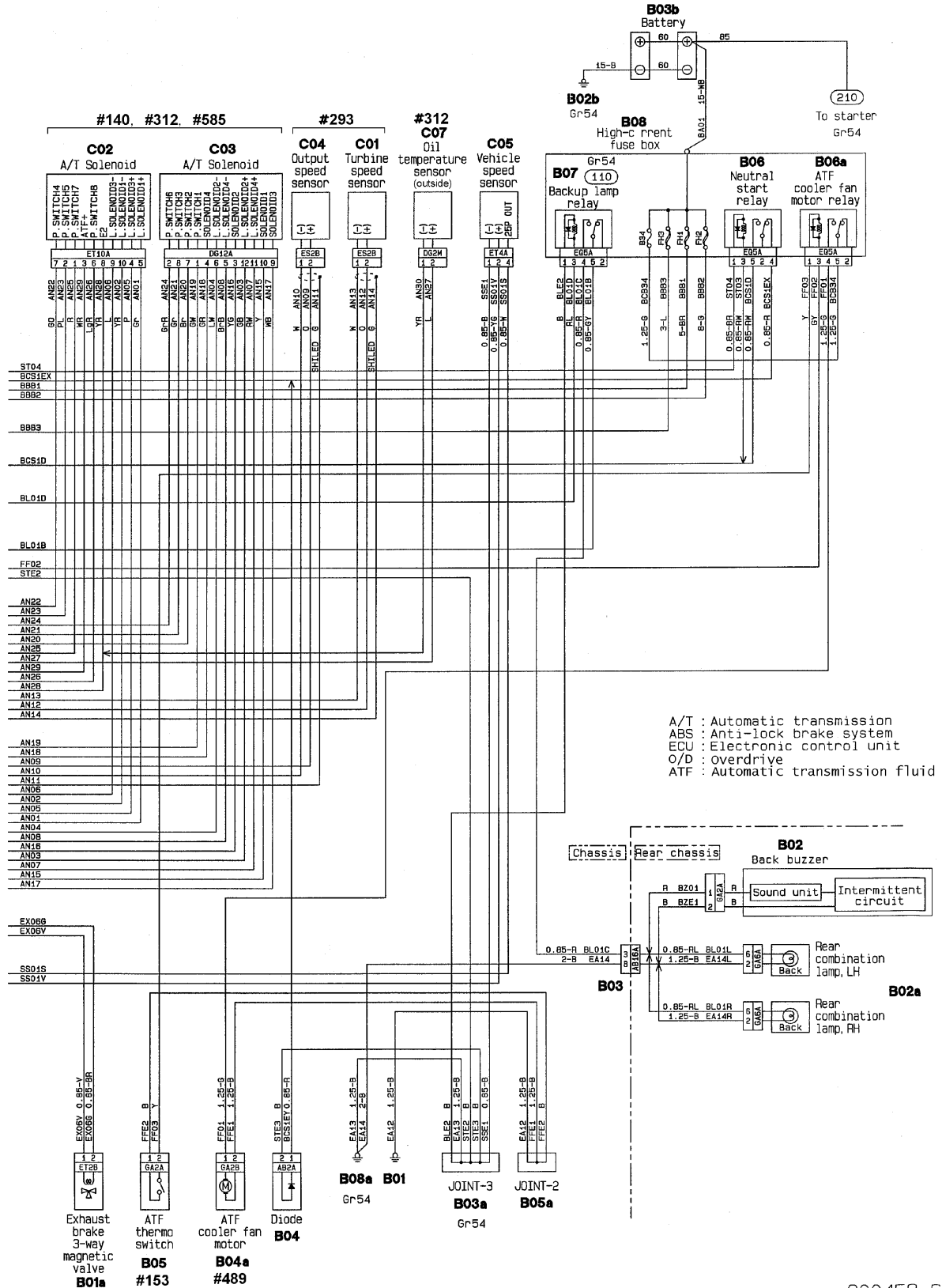
C00458-4

# AUTOMATIC TRANSMISSION CIRCUIT



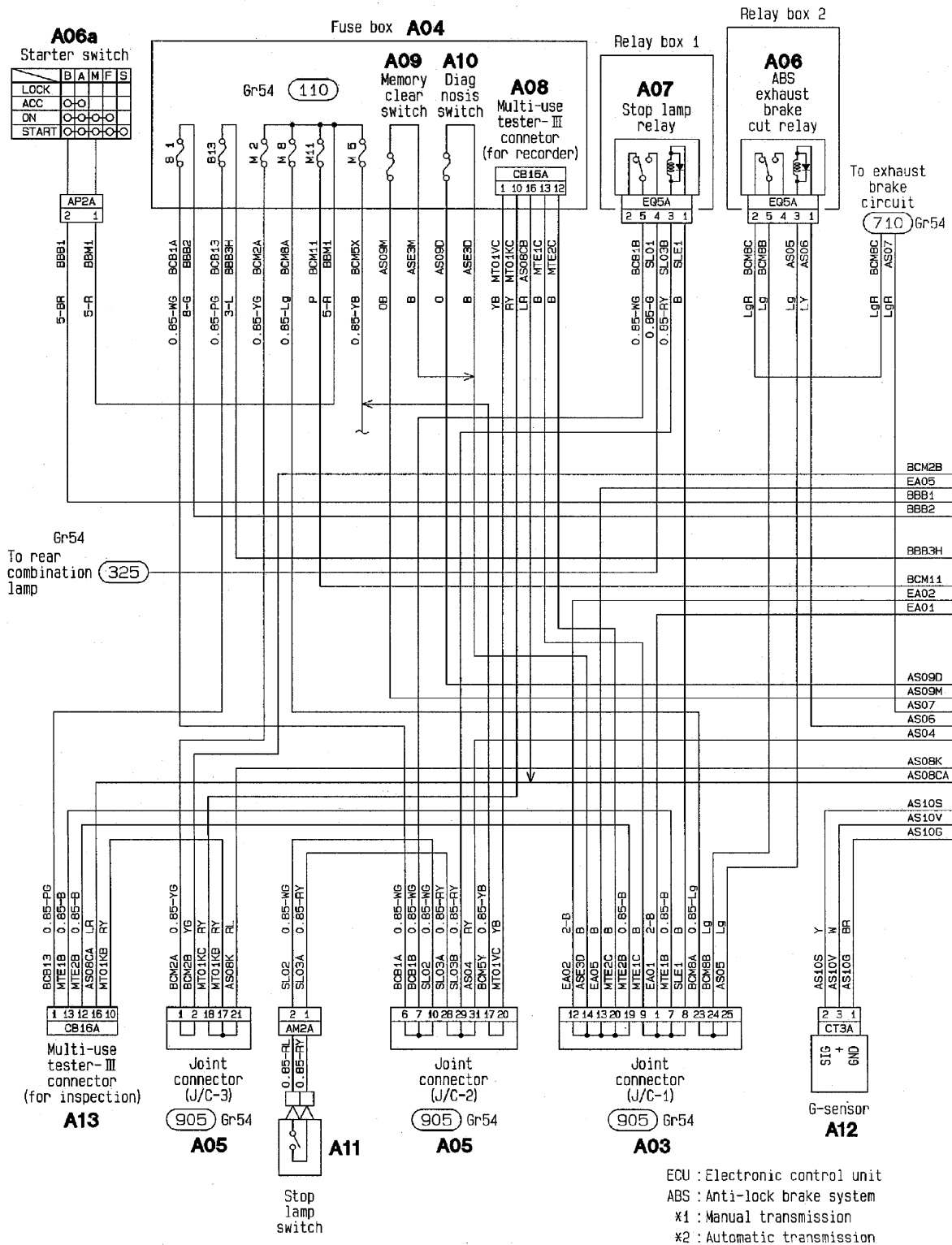
C00458-5

# AUTOMATIC TRANSMISSION CIRCUIT



C00458-6

# ANTI-LOCK BRAKE SYSTEM CIRCUIT



C00459-1



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**BODY BUILDER'S DRAWINGS  
AND  
SUPPORTING DATA**

**FE.FG**

**MITSUBISHI FUSO TRUCK & BUS CORPORATION**

**JUNE 2004**

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