BODY BUILDER'S DRAWINGS AND SUPPORTING DATA

FK.FM

LIT. No. HMT07M006-A

SEP. 2007

INTRODUCTION

This book has been designed to provide information for body and equipment manufacturers who mount their products on FK, FM 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)

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 vehicles equipment.

Vehicles manufactured by Mitsubishi FUSO Truck & Bus Corporation (MFTBC) for the subsequent installation of commercical bodies are classified as incomplete vehicles. These vehicles fully comply with certain applicable Motor Vehicles 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 vehicles, the date of final completion, or date between those two dates, as determined by their final configuration.

MFTBC incomplete vehicles carry in the center console 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
890-12, Kashimada, Saiwai-ku, Kawasaki-shi,
Kanagawa, Japan

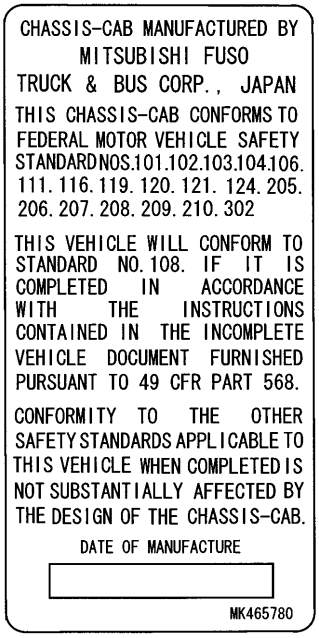
DATE OF MANUFACTURE :

VIN :

List of FMVSS and CMVSS applicable to MFTBC trucks with GVWR of more than 10,000 lbs. manufactured after April 1 1995 is shown below.

FMVSS/ CMVSS NO.	Title
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
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
121	Air Brake Systems
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 Emissions (CMVSS only)

In addition to the Incomplete Vehicle Document, a Safety comformance 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.

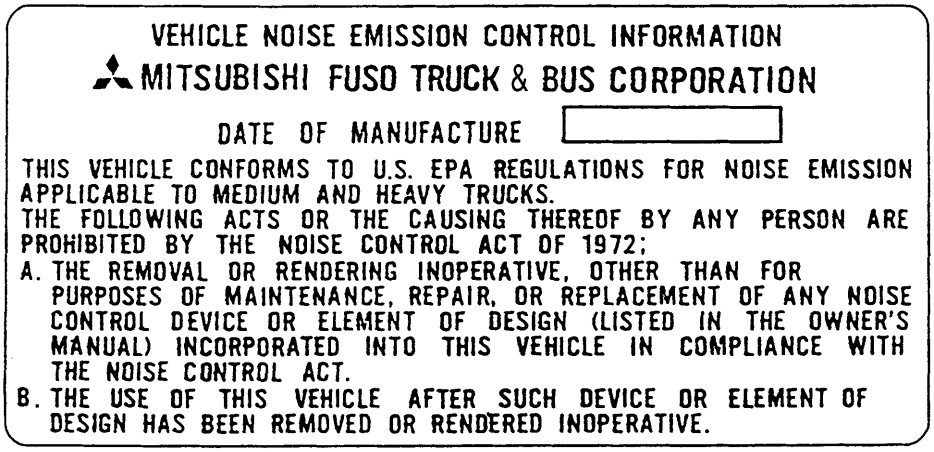
NOISE REGULATIONS

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, 1998 (40 CFR § 205.52), requiring that they must conform to an 80 dB (A) maximum noise level when tested persuant 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.



This label is affixed to the left-hand side door header trim.

PART II

DRAWINGS AND TECHNICAL DATA

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1. LINE-UP CHART

MODEL SERIES	VEHICLE MODEL	BASIC COMPONENTS			BASIC DIMENSIONS mm (in)					CURB WEIGHT (lbs)			RATINGS kg (lbs)		
		ENGINE	TRANS-MISSION	TIRES	WHEEL BASE	OVERALL LENGTH	OVERALL WIDTH	OVERALL HEIGHT (APPROX.)	CAB TO REAR AXLE	FRONT	REAR	TOTAL	GVWR FRONT	GVWR REAR	GVWR
FK61F	FK61FJ1LSUH	6M60T1	LCT1000	225/70R19.5	4,570 (179.9)	7,655 (301.4)	2,180 (85.8)	2,495 (98.2)	3,715 (146.3)	2,380 (5,245)	1,180 (2,600)	3,560 (7,845)	3,300 (7,280)	6,200 (13,660)	9,000 (19,850)
	FK61FK1LSUH				4,870 (191.7)	8,095 (318.7)			4,015 (158.1)	2,390 (5,270)	1,195 (2,635)	3,585 (7,905)			
	FK61FM1LSUH				5,540 (218.1)	9,075 (357.3)			4,685 (184.4)	2,405 (5,305)	1,225 (2,700)	3,630 (8,005)			
FK62F	FK62FFZ1LSUG	6M60T1	M060S6	10R22.5	3,700 (145.7)	6,545 (257.7)	2,370 (93.3)	2,615 (103.0)	2,955 (116.3)	2,550 (5,620)	1,370 (3,020)	3,920 (8,640)	4,830 (10,640)	8,390 (18,500)	11,790 (25,995)
	FK62FJZ1LSUG				4,460 (175.6)	7,655 (301.4)			3,715 (146.2)	2,625 (5,785)	1,340 (2,955)	3,965 (8,740)			
	FK62FLZ1LSUG				5,100 (200.8)	8,645 (340.4)			4,355 (171.4)	2,650 (5,840)	1,405 (3,100)	4,055 (8,940)			
	FK62FMZ1LSUG				5,430 (213.8)	9,075 (357.3)			4,685 (184.4)	2,670 (5,885)	1,400 (3,085)	4,070 (8,970)			
	FK62FSZ1LSUG				6,450 (253.9)	10,565 (415.9)			5,705 (224.6)	2,705 (5,965)	1,455 (3,210)	4,160 (9,175)			
	FK62FJZ1LSUH		LCT2200		4,460 (175.6)	7,655 (301.4)			3,715 (146.2)	2,620 (5,775)	1,330 (2,930)	3,950 (8,705)			
	FK62FLZ1LSUH				5,100 (200.8)	8,645 (340.4)			4,355 (171.4)	2,595 (5,720)	1,445 (3,185)	4,040 (8,905)			
	FK62FMZ1LSUH				5,430 (213.8)	9,075 (357.3)			4,685 (184.4)	2,610 (5,755)	1,445 (3,185)	4,055 (8,940)			
	FK62FSZ1LSUH				6,450 (253.9)	10,565 (415.9)			5,705 (224.6)	2,705 (5,965)	1,445 (3,185)	4,150 (9,150)			
FK65F	FK65FMZ1LSUG	6M60T1	M060S6	10R22.5	5,430 (213.8)	9,075 (357.3)	2,370 (93.3)	2,605 (102.6)	4,685 (184.4)	2,695 (5,940)	1,600 (3,530)	4,295 (9,470)	4,830 (10,640)	8,390 (18,500)	11,790 (25,995)
	FK65FSZ1LSUG				6,450 (253.9)	10,565 (415.9)			5,705 (224.6)	2,770 (6,105)	1,630 (3,595)	4,400 (9,700)			
	FK65FMZ1LSUH		LCT2200		5,430 (213.8)	9,075 (357.3)		2,610 (102.8)	4,685 (184.4)	2,625 (5,790)	1,670 (3,680)	4,295 (9,470)			
	FK65FSZ1LSUH				6,450 (253.9)	10,565 (415.9)			5,705 (224.6)	2,700 (5,950)	1,735 (3,825)	4,435 (9,775)			
FM65F	FM65FJ1LSUG	6M60T1	M070S6	11R22.5	4,620 (181.9)	7,945 (312.8)	2,445 (96.3)	2,695 (106.1)	3,875 (152.5)	2,850 (6,285)	1,785 (3,935)	4,635 (10,220)	5,305 (11,700)	9,615 (21,200)	14,920 (32,900)
	FM65FL1LSUG				5,080 (200.0)	8,625 (339.6)			4,335 (170.6)	2,895 (6,385)	1,815 (4,000)	4,710 (10,385)			
	FM65FM1LSUG				5,550 (218.5)	9,325 (367.1)			4,805 (189.1)	2,920 (6,440)	1,840 (4,055)	4,760 (10,495)			
	FM65FP1LSUG				6,080 (239.4)	10,375 (408.5)			5,335 (210.0)	2,930 (6,460)	1,940 (4,275)	4,870 (10,735)			
	FM65FJ1LSUH		MD3000		4,620 (181.9)	7,945 (312.8)		2,690 (105.9)	3,875 (152.5)	3,000 (6,615)	1,820 (4,010)	4,820 (10,625)			
	FM65FL1LSUH				5,080 (200.0)	8,625 (339.6)			4,335 (170.6)	3,040 (6,700)	1,845 (4,070)	4,885 (10,770)			
	FM65FM1LSUH				5,550 (218.5)	9,325 (367.1)			4,805 (189.1)	3,065 (6,755)	1,865 (4,115)	4,930 (10,870)			
	FM65FP1LSUH				6,080 (239.4)	10,375 (408.5)			5,335 (210.0)	3,060 (6,745)	1,945 (4,290)	5,005 (11,035)			

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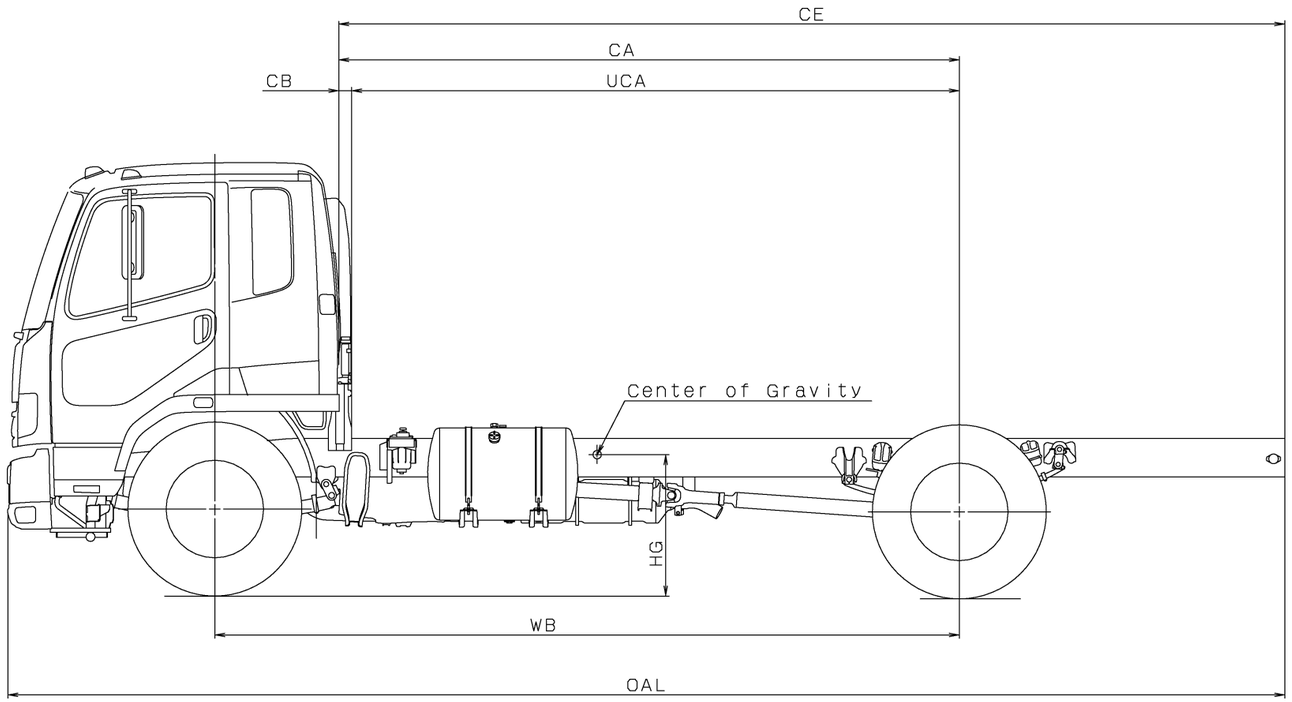
2. TYPICAL BODY LENGTHS



MFTA Suggests the X-marked body lengths for each model because of stability, commerciality and reliability.

VEHICLE MODEL		DIMENSIONS mm(in)							BODY LENGTH (ft)								
		WB	CA	UCA	CB	CE	OAL	HG	14	16	18	20	22	24	26	28	30
FK61F	J	4,570 (179.9)	3,715 (146.2)	3,560 (140.2)	150 (6.0)	5,665 (223.0)	7,665 (301.4)	750 (29.5)			×						
	K	4,870 (191.7)	4,015 (158.0)	3,865 (152.1)		6,105 (240.4)	8095 (318.7)					×					
	M	5,540 (218.1)	4,685 (184.4)	4,530 (178.4)		7,085 (278.9)	9,075 (357.3)						×	×			
FK62F FK65F	F	3,700 (145.7)	2,955 (116.3)	2,800 (110.3)		4,555 (179.3)	6,545 (257.7)	775 (30.5)	×	×							
	J	4,460 (175.6)	3,715 (146.2)	3,560 (140.2)		5,665 (223.0)	7,665 (301.4)				×	×					
	L	5,100 (200.8)	4,355 (171.4)	4,205 (165.5)		6,655 (262.0)	8,645 (340.4)					×	×				
	M	5,430 (213.8)	4,685 (184.4)	4,530 (178.4)		7,085 (278.9)	9,075 (357.3)						×	×			
	S	6,450 (253.9)	5,705 (224.6)	5,555 (218.6)		8,575 (337.6)	10,565 (415.9)								×	×	×
FM65F	J	4,620 (181.9)	3,875 (152.5)	3,725 (146.6)		5,955 (234.4)	7,945 (312.8)	845 (33.3)		×	×						
	L	5,080 (200.0)	4,335 (170.6)	4,185 (164.7)		6,635 (261.2)	8,625 (339.6)				×	×	×				
	M	5,550 (218.5)	4,805 (189.1)	4,655 (183.2)		7,335 (288.8)	9,325 (367.1)						×	×	×		
	P	6,080 (239.4)	5,335 (210.0)	5,180 (204.0)		8,385 (330.1)	10,375 (408.5)							×	×	×	

Notes

(1) Selection of the correct model and wheelbase is dependent on many factors. This chart can serve only as a puick reference guide. It does not preclude the neccesity of performing a complete weight distribution analysis.

(2) MFTA assumes no liability whatsoever for any damege(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 dealer.

(3) All weitht distribution calculaition herein is based on water level loading and 6-inch cab-to-body clearance.

(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 30% or more because of vehicle stability.
(c) The length of rear overhang should comply with "federal, state/province and or local" regulations if any.

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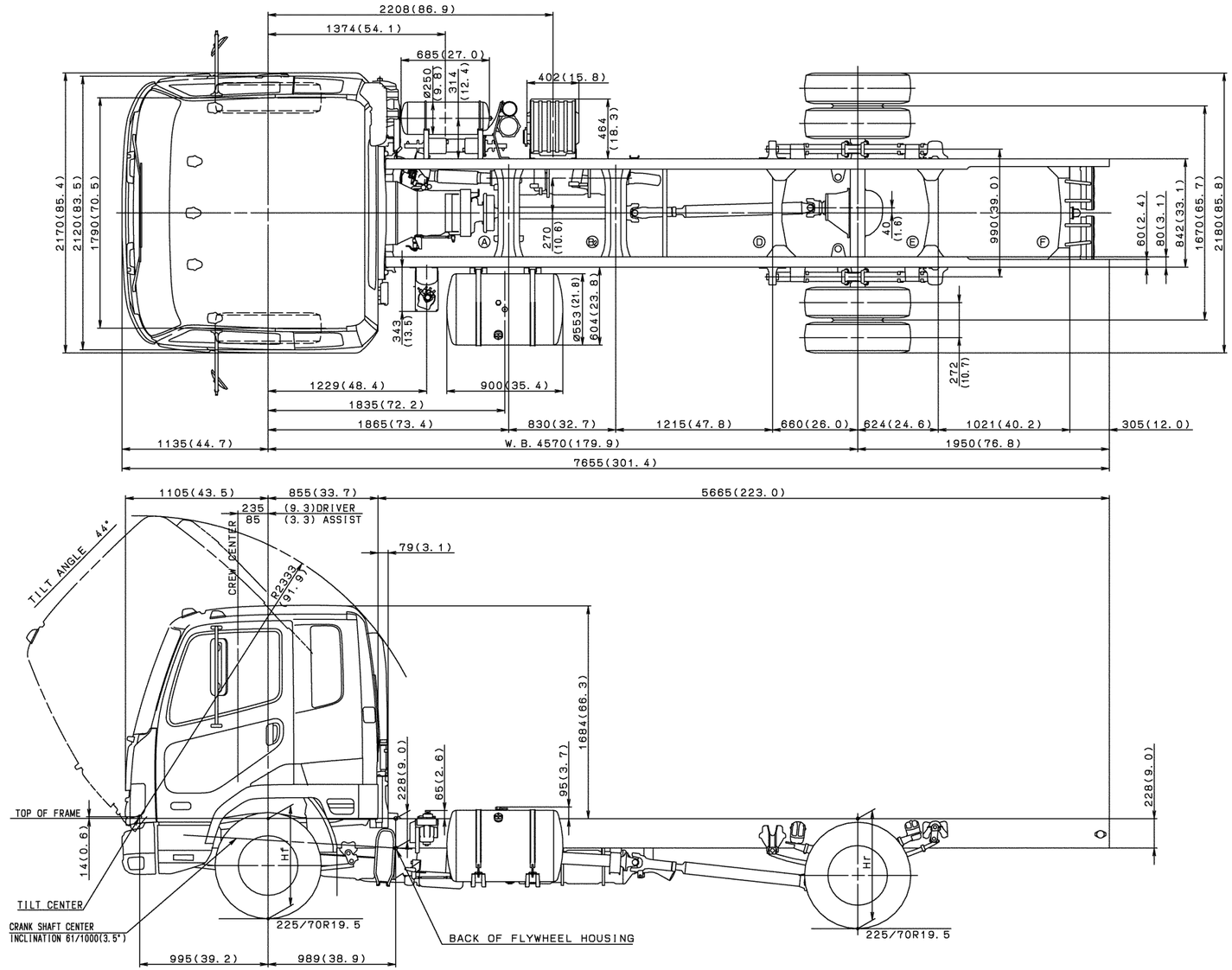
3. CAB/CHASSIS DRAWING

3.1 FK61FJ-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm (in)

SCALE:1/40

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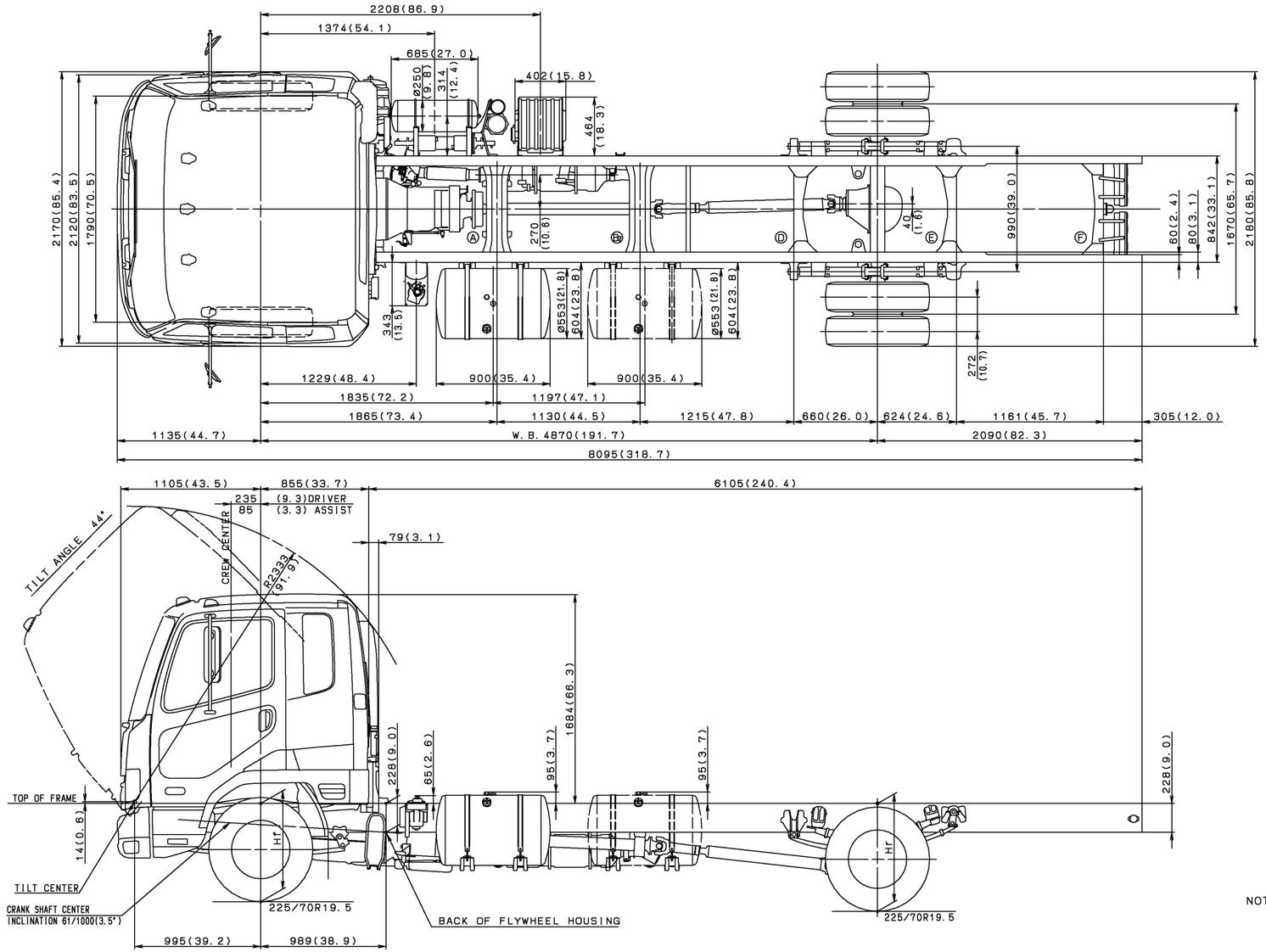
3.2 FK61FK-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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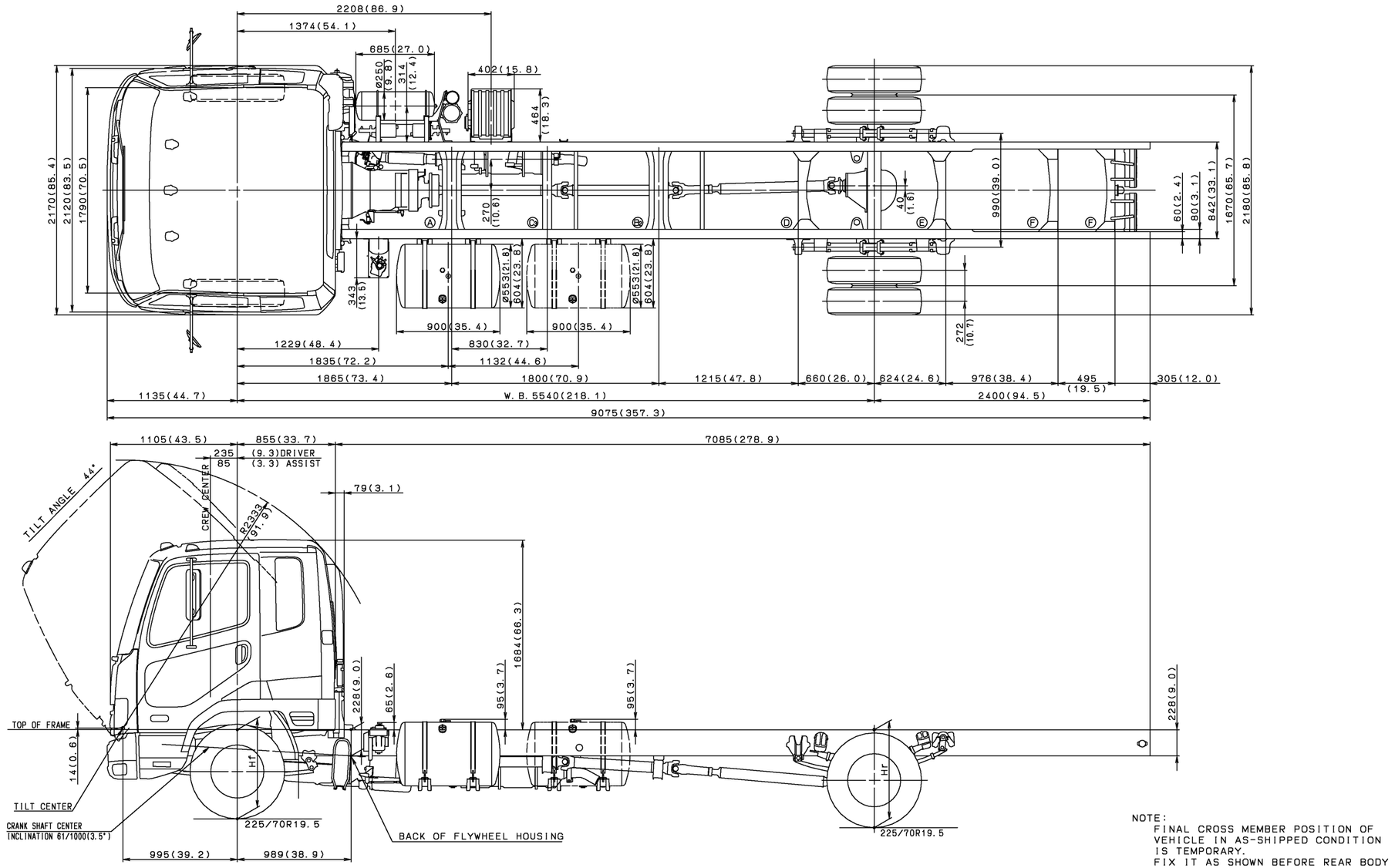
3.3 FK61FM-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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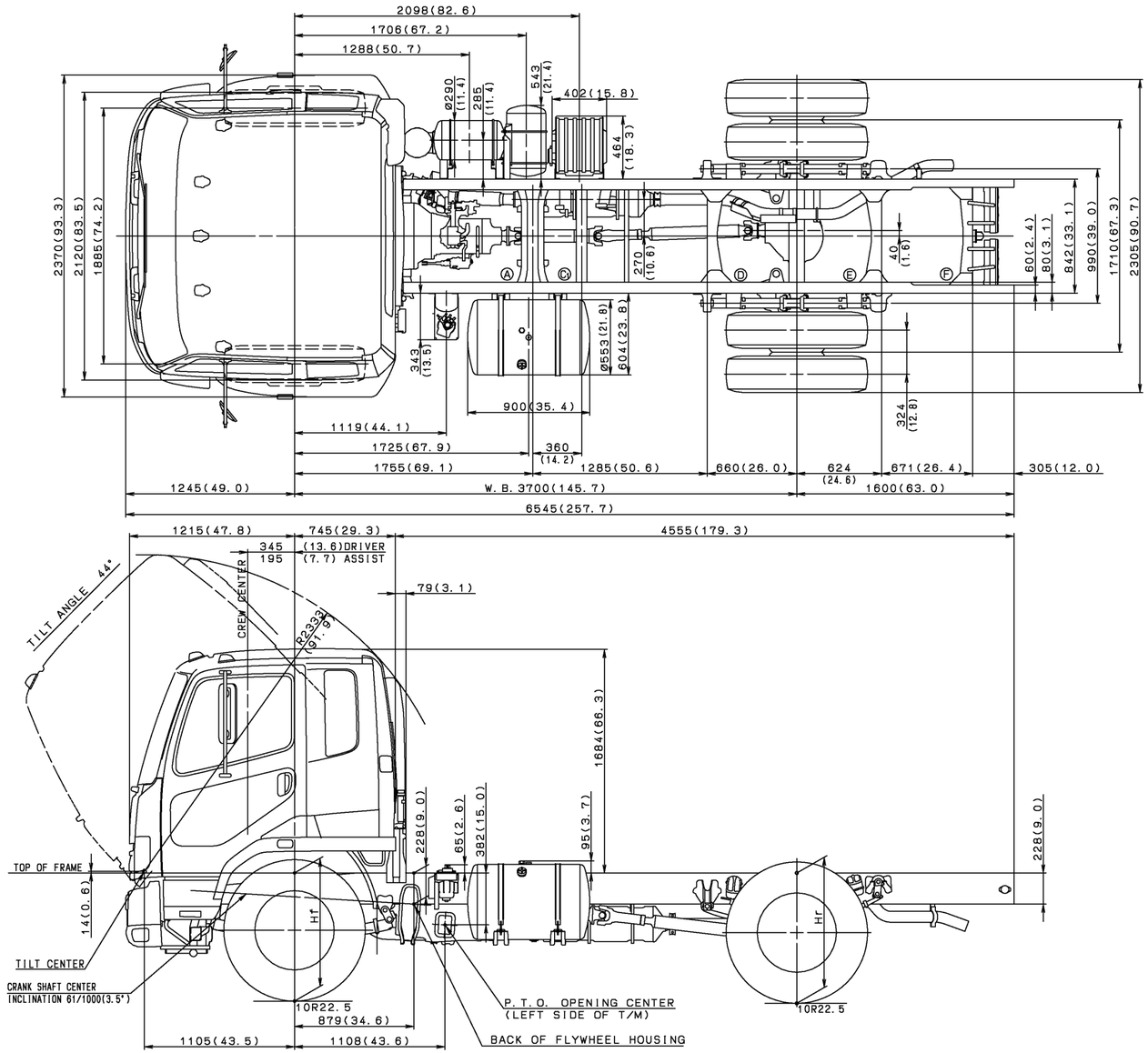
3.4 FK62FF-G



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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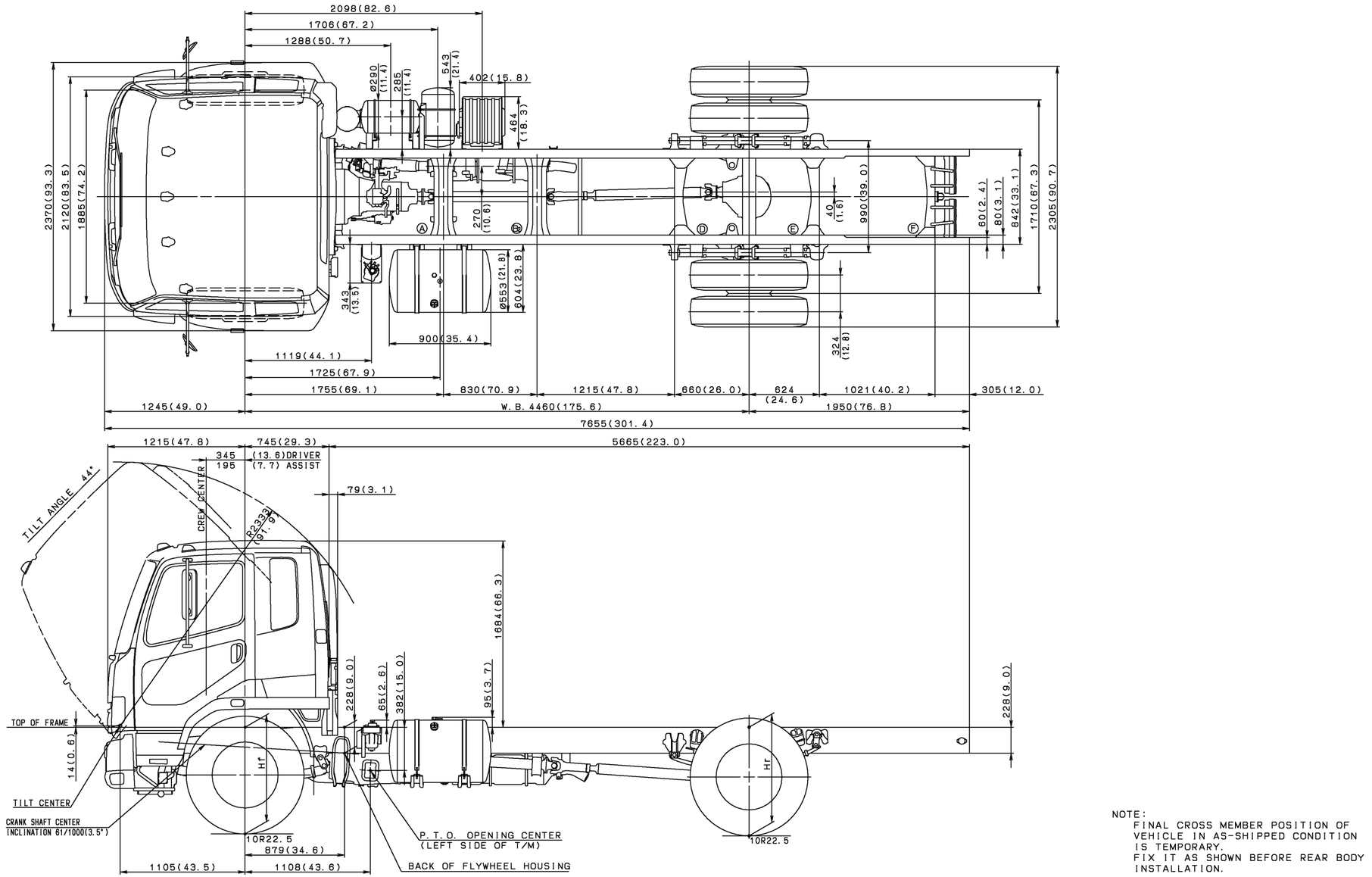
3.5 FK62FJ-G



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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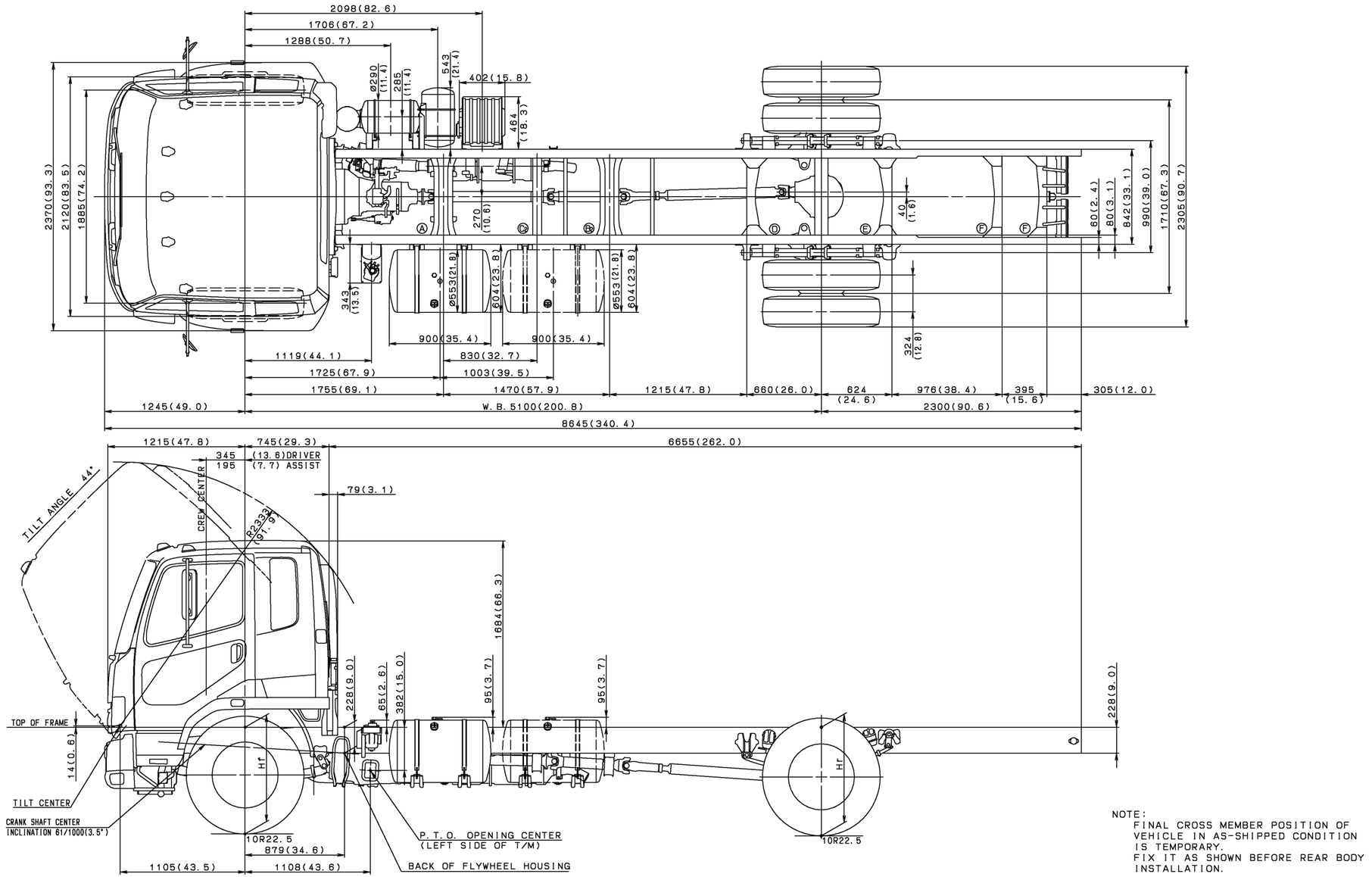
3.6 FK62FL-G



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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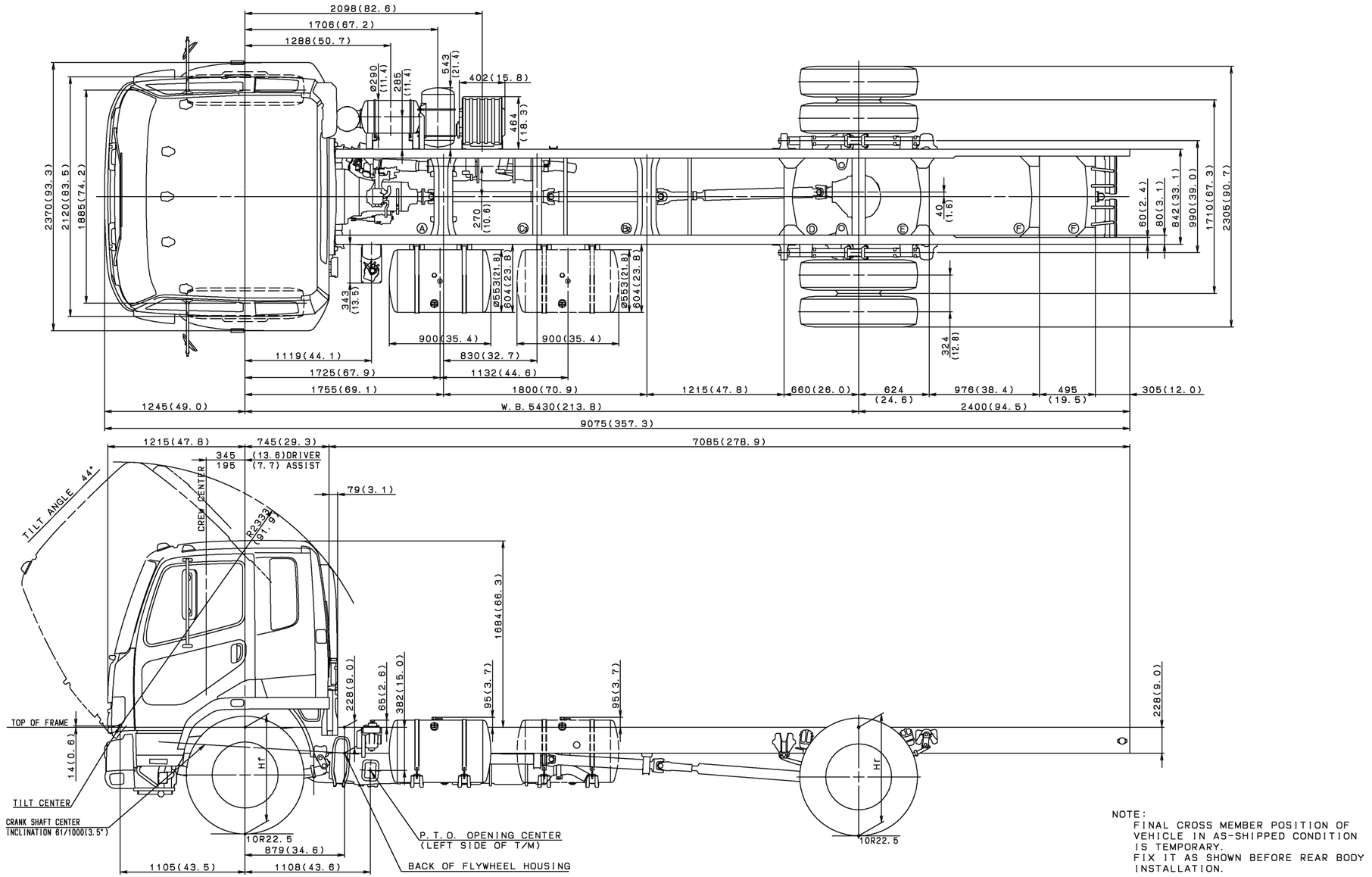
3.7 FK62FM-G



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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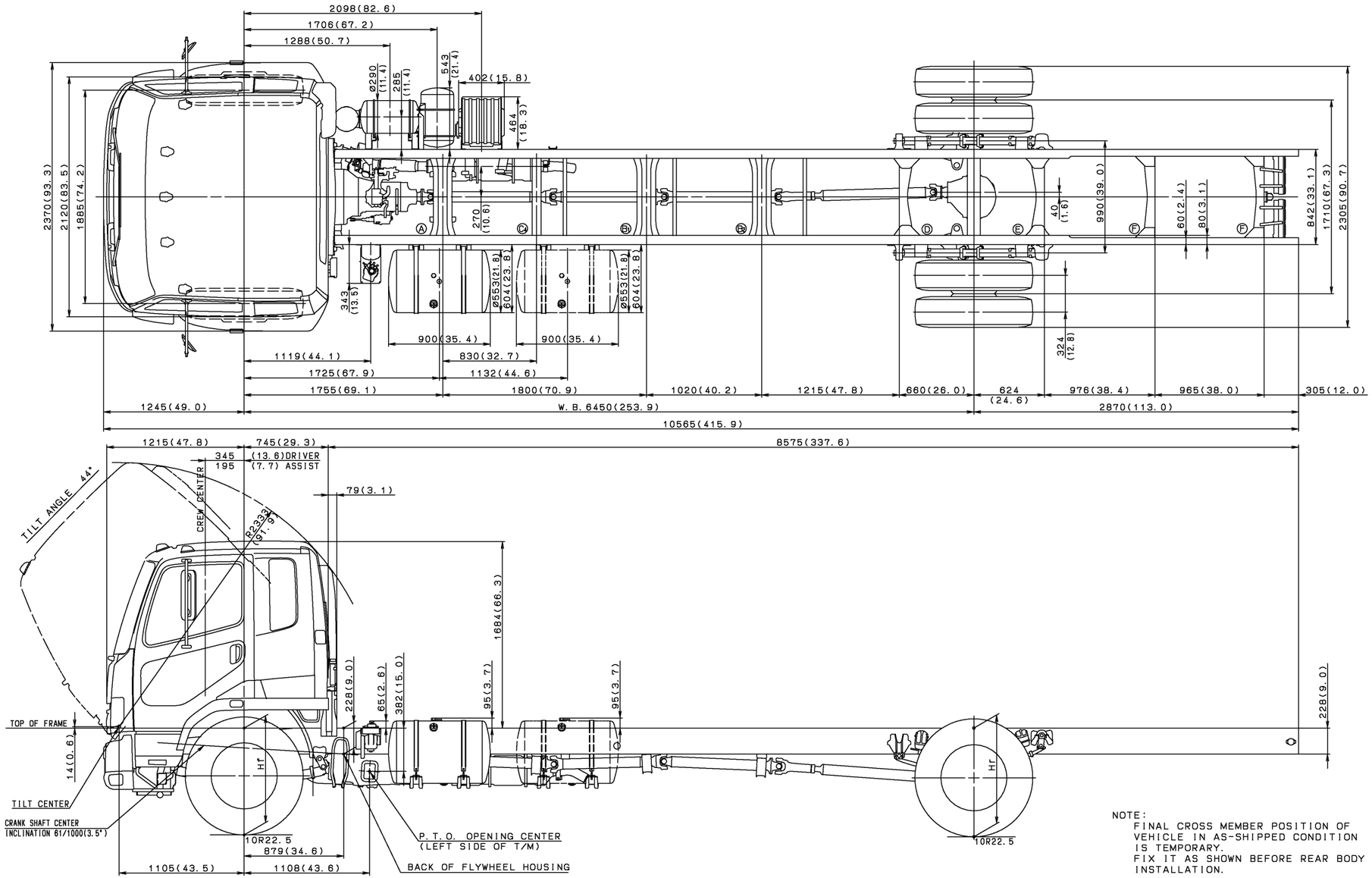
3.8 FK62FS-G



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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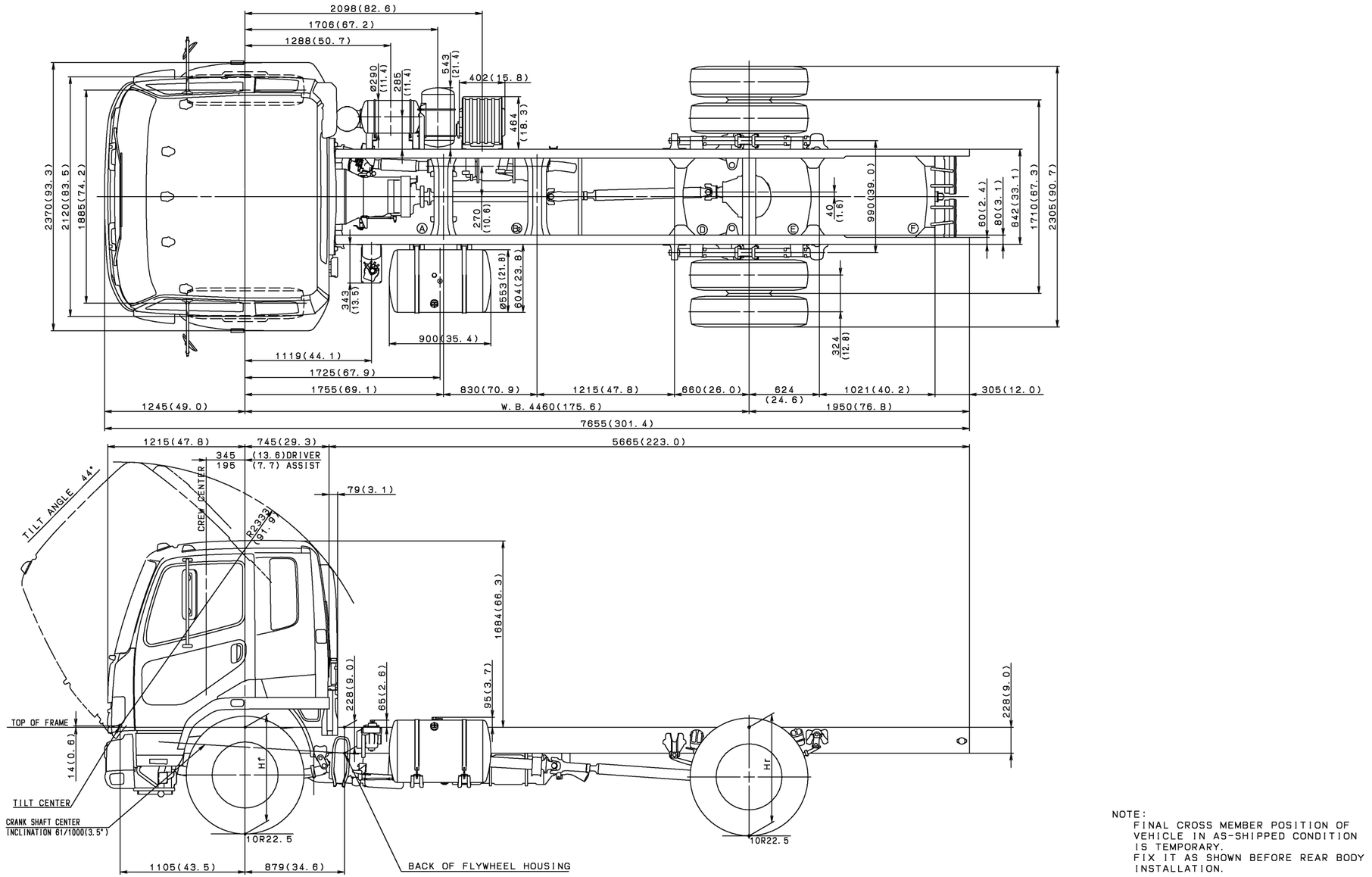
3.9 FK62FJ-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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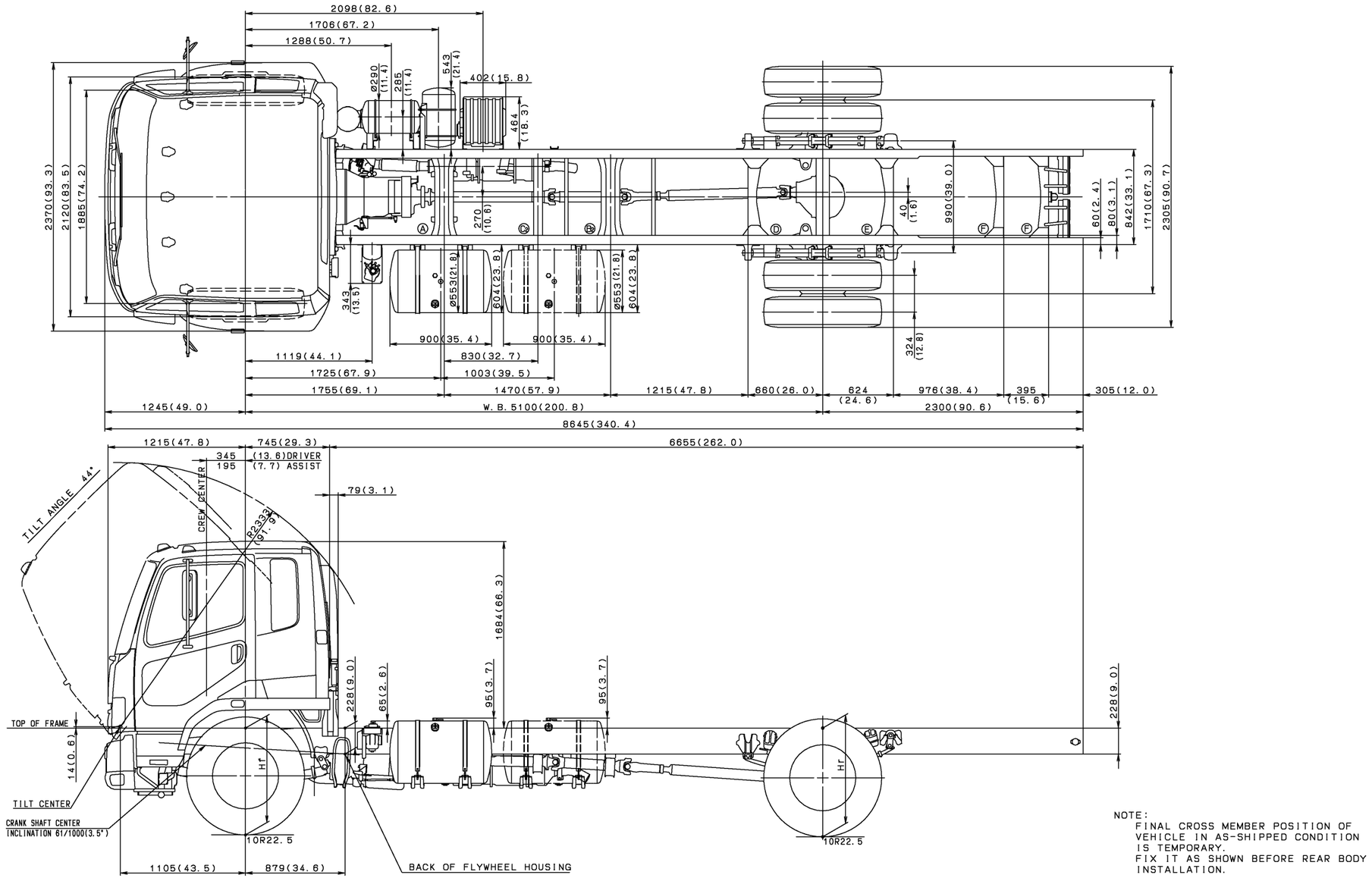
3.10 FK62FL-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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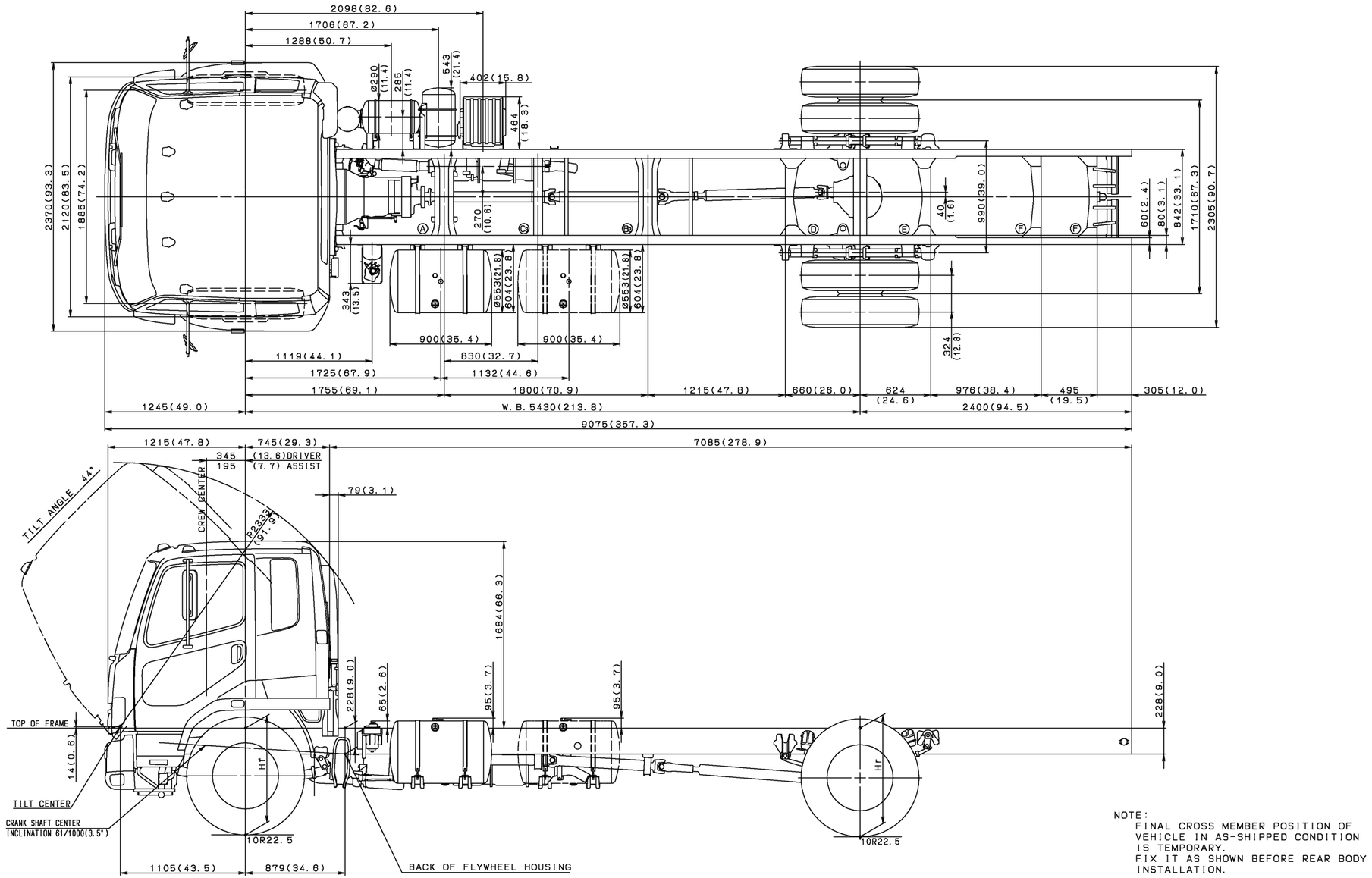
3.11 FK62FM-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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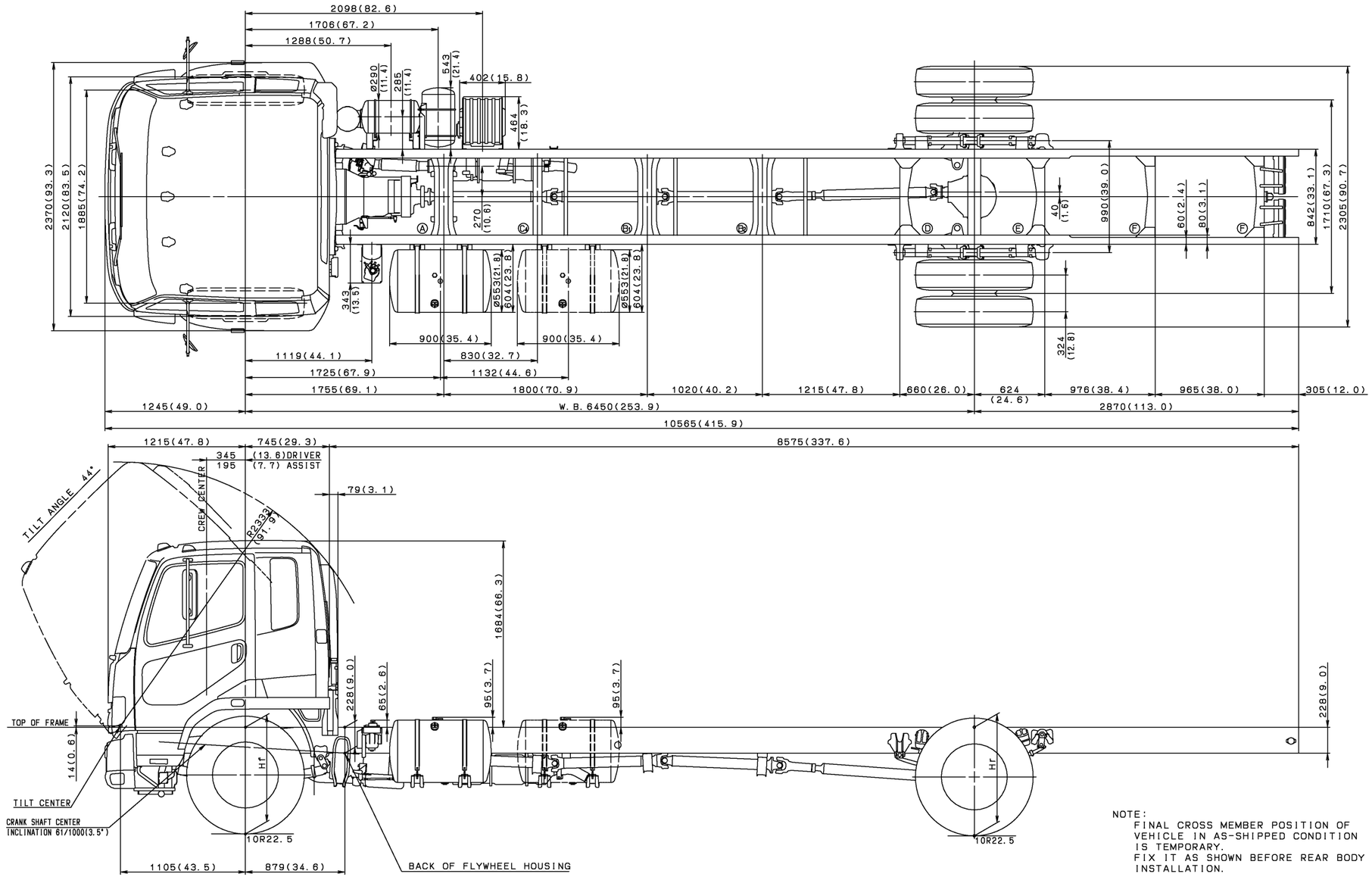
3.12 FK62FS-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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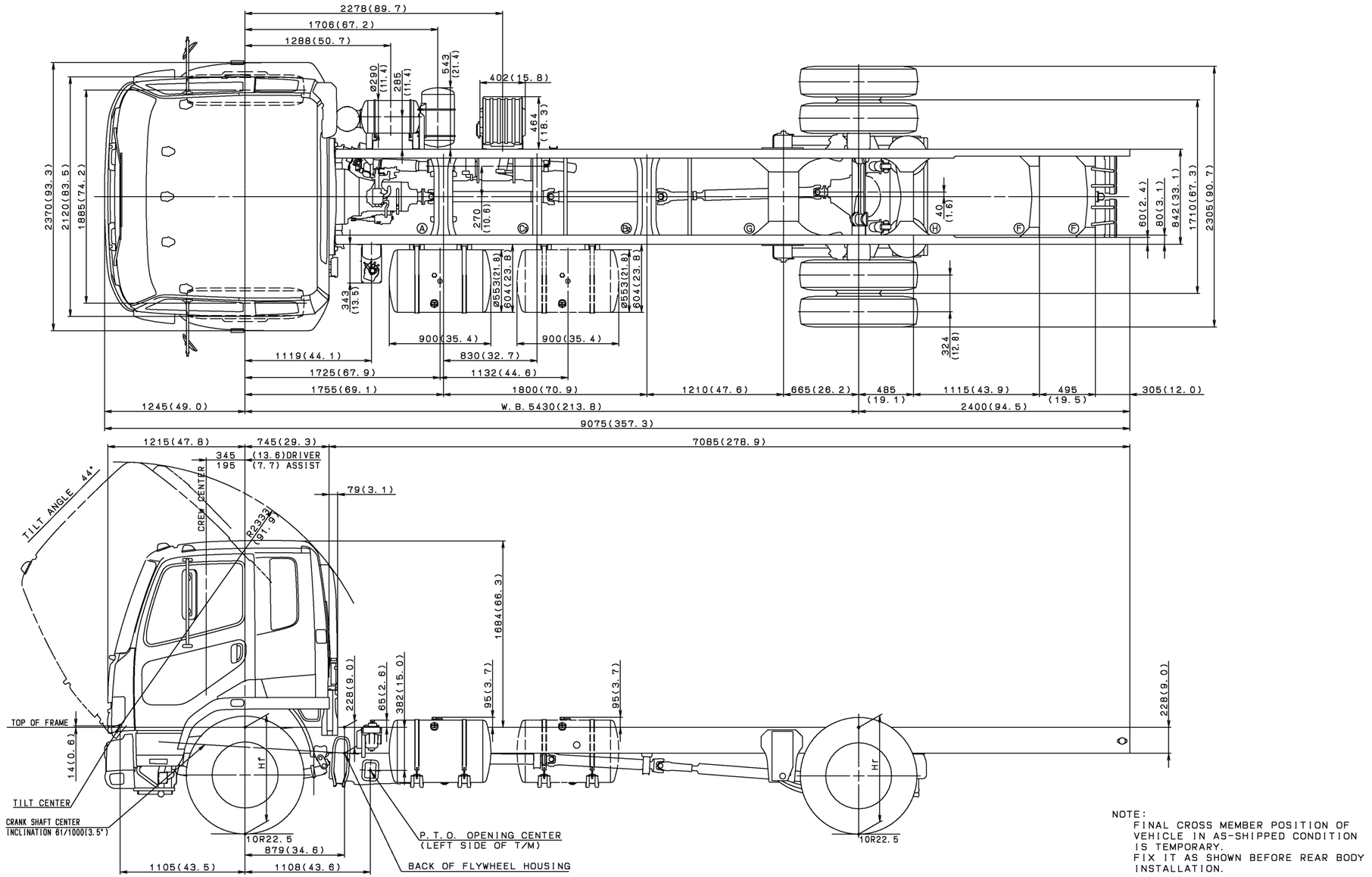
3.13 FK65FM-G



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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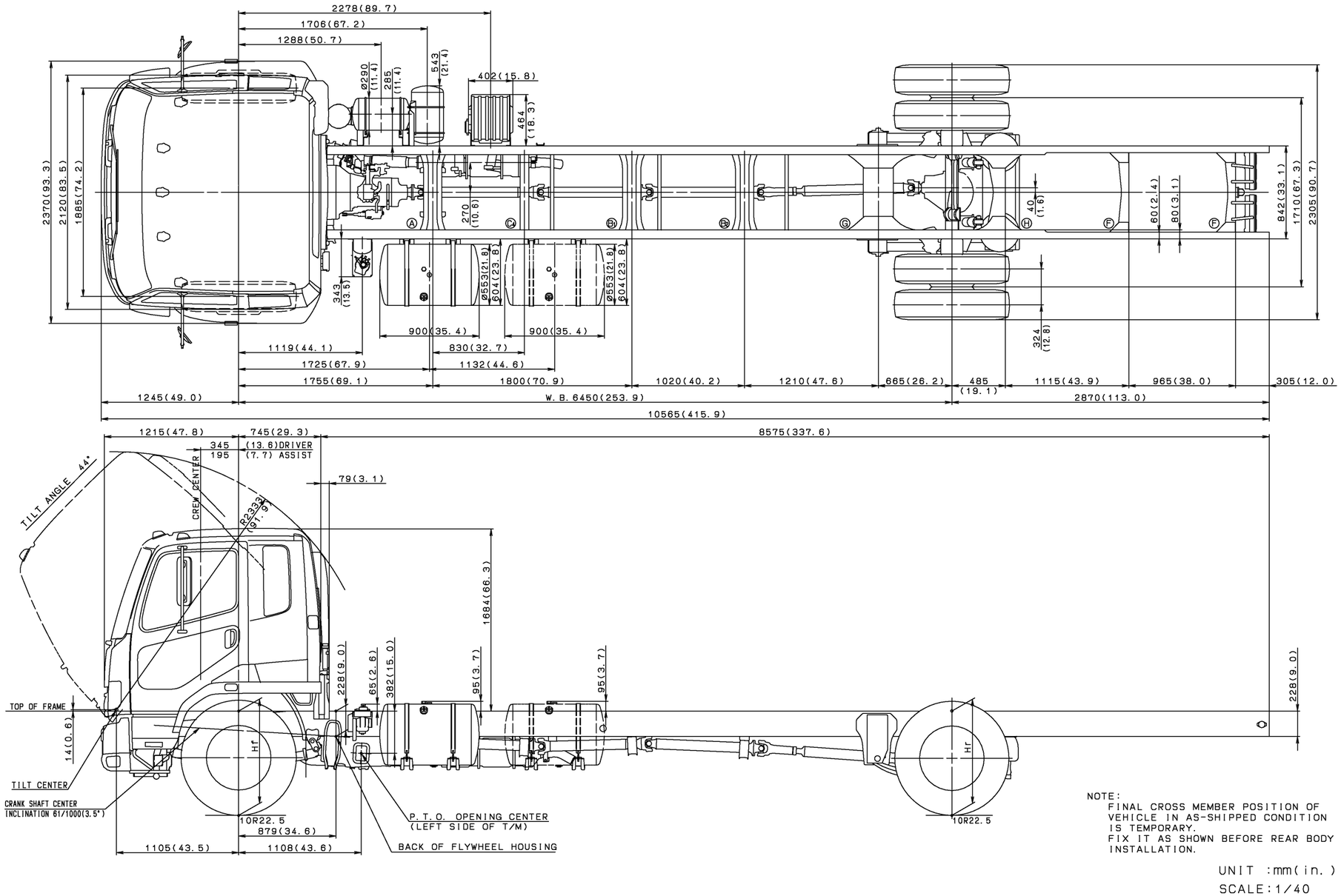
3.14 FK65FS-G



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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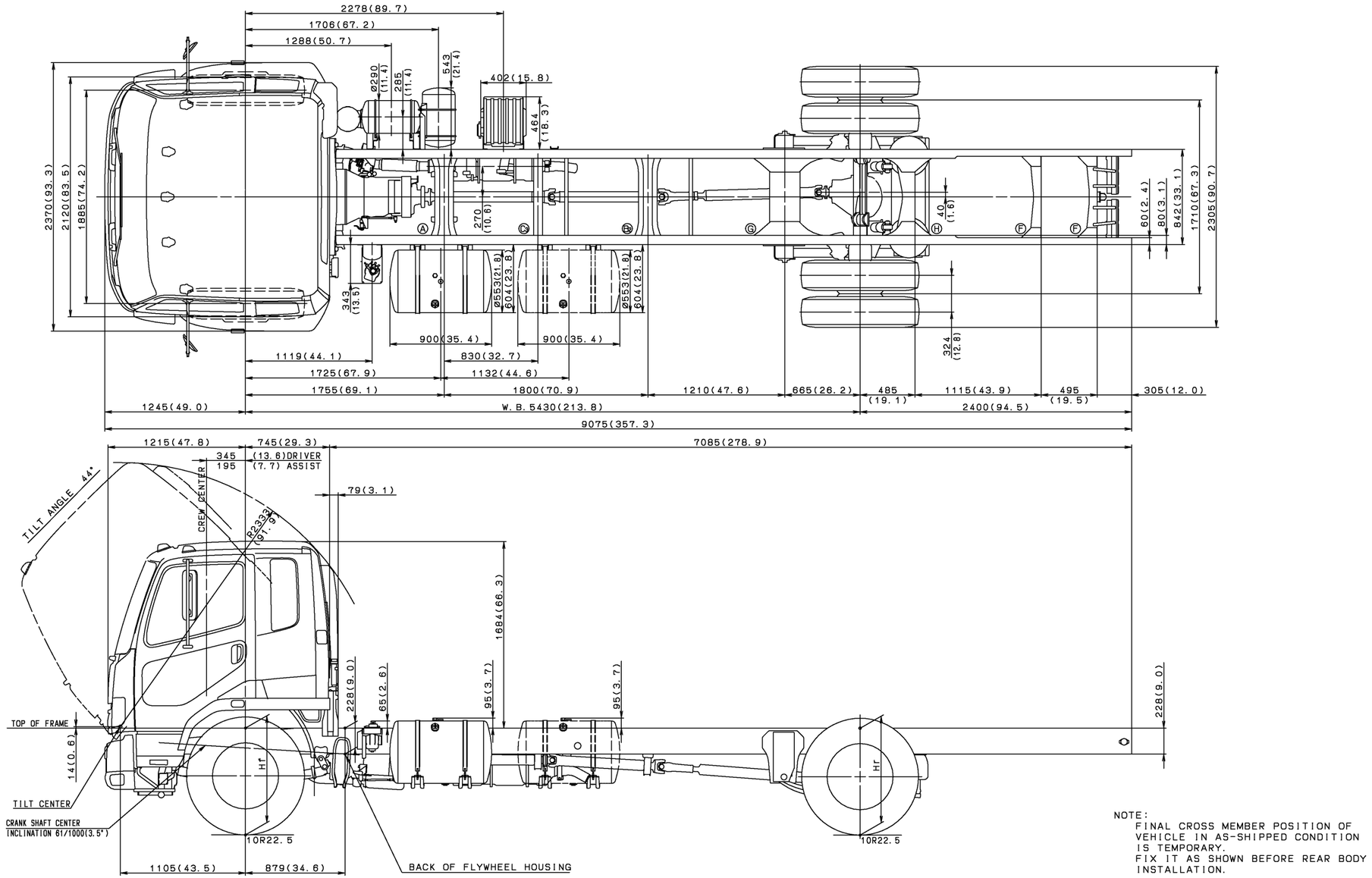
3.15 FK65FM-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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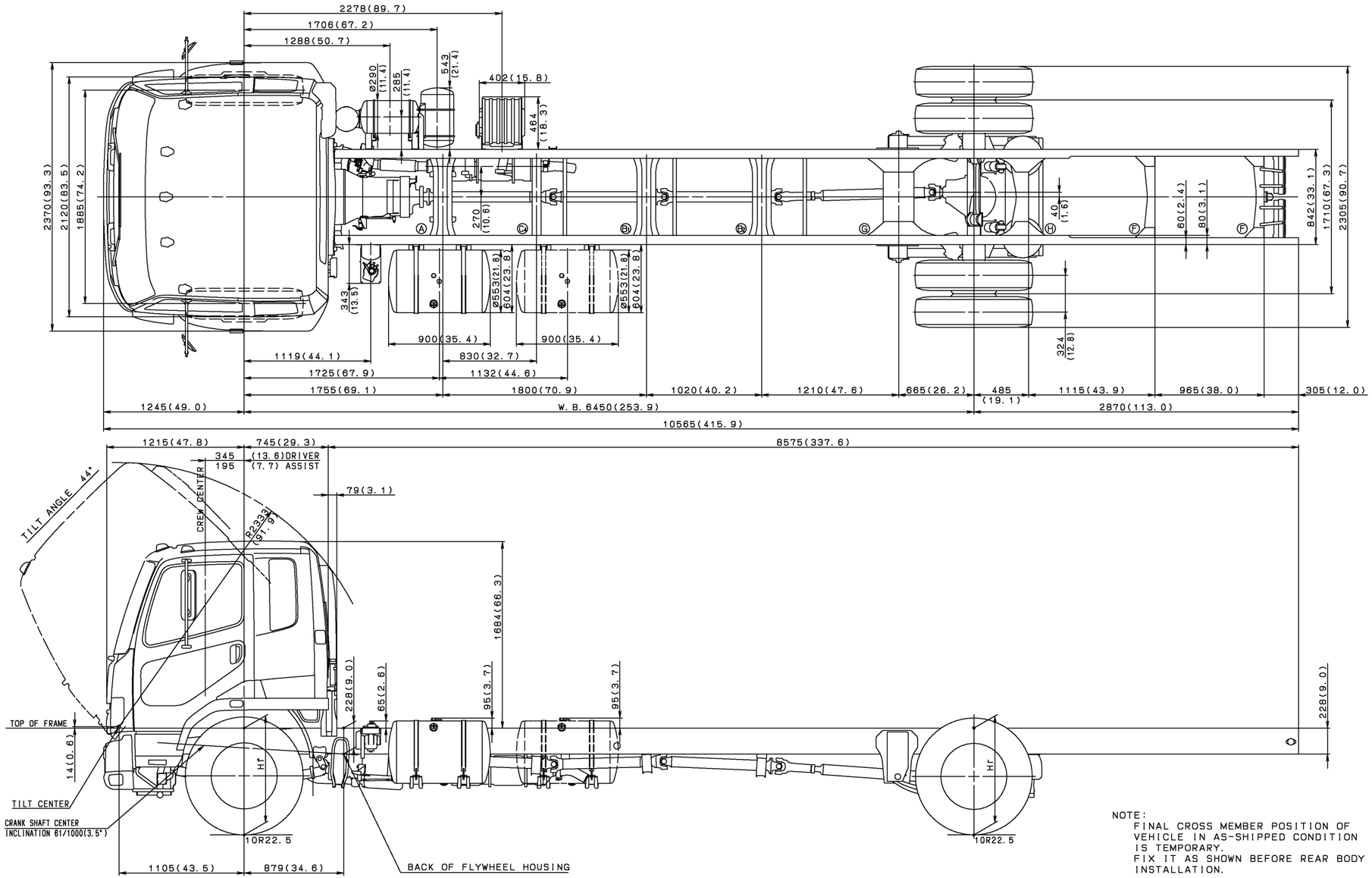
3.16 FK65FS-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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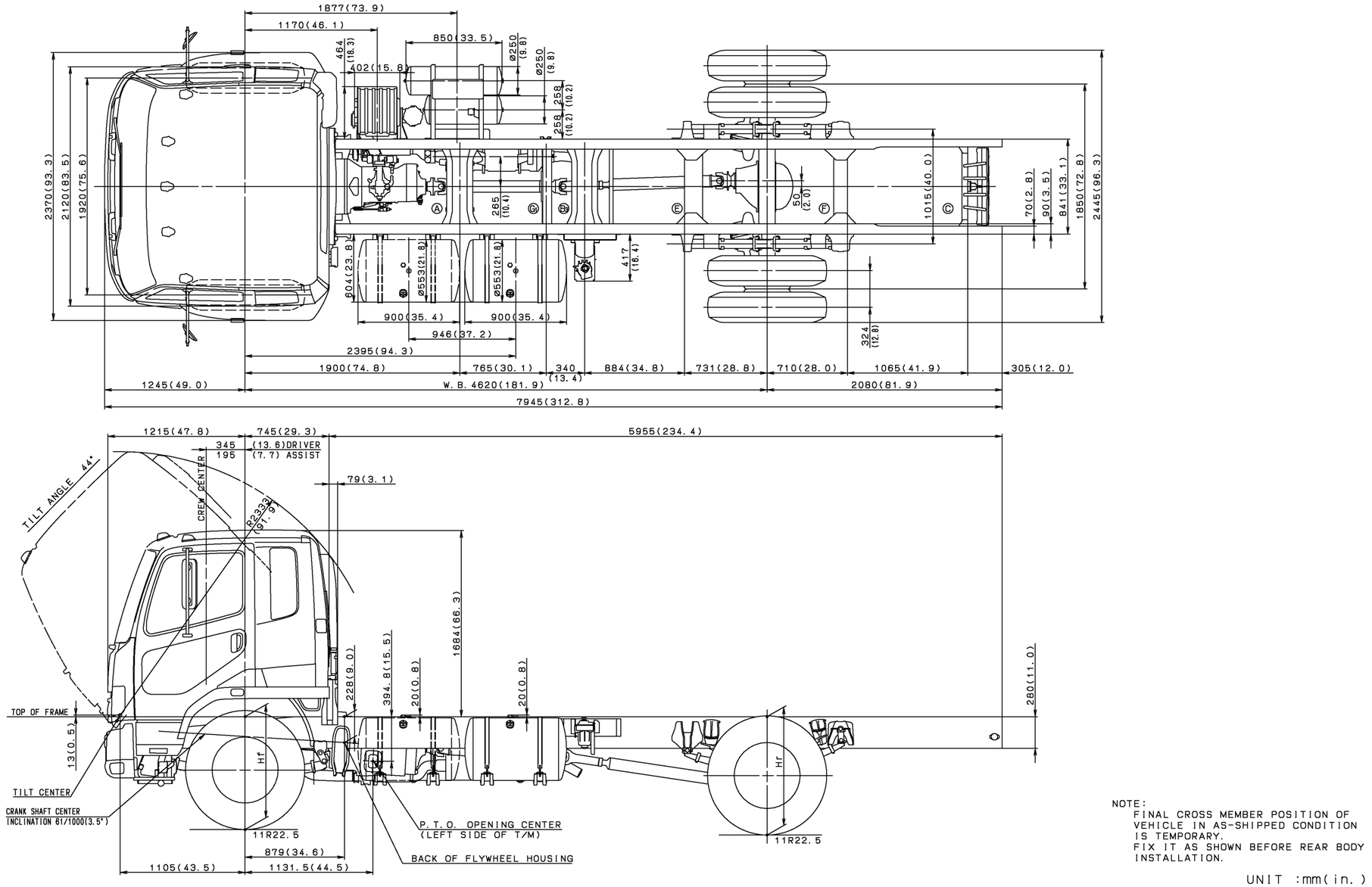
3.17 FM65FJ-G



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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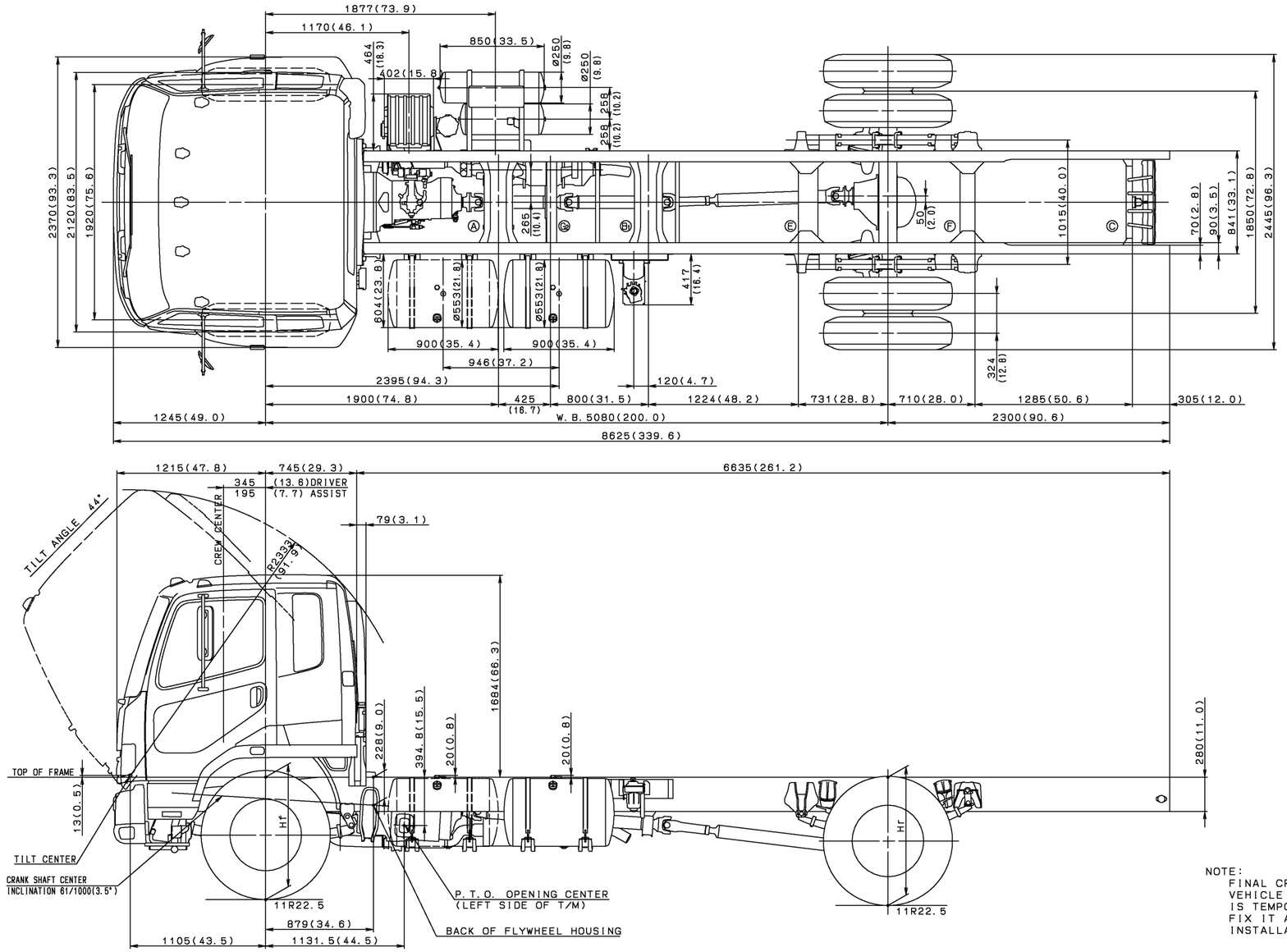
3.18 FM65FL-G



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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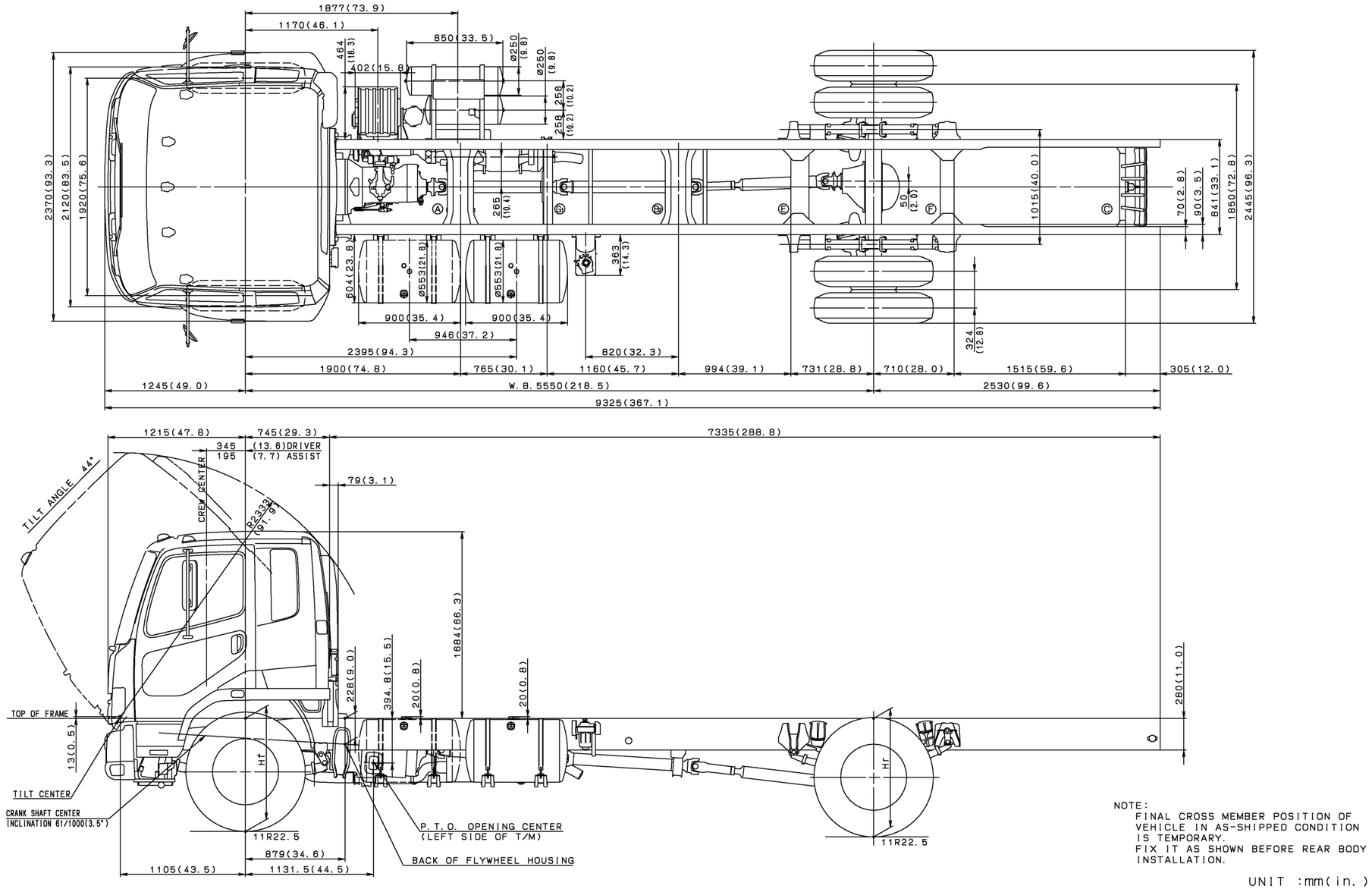
3.19 FM65FM-G



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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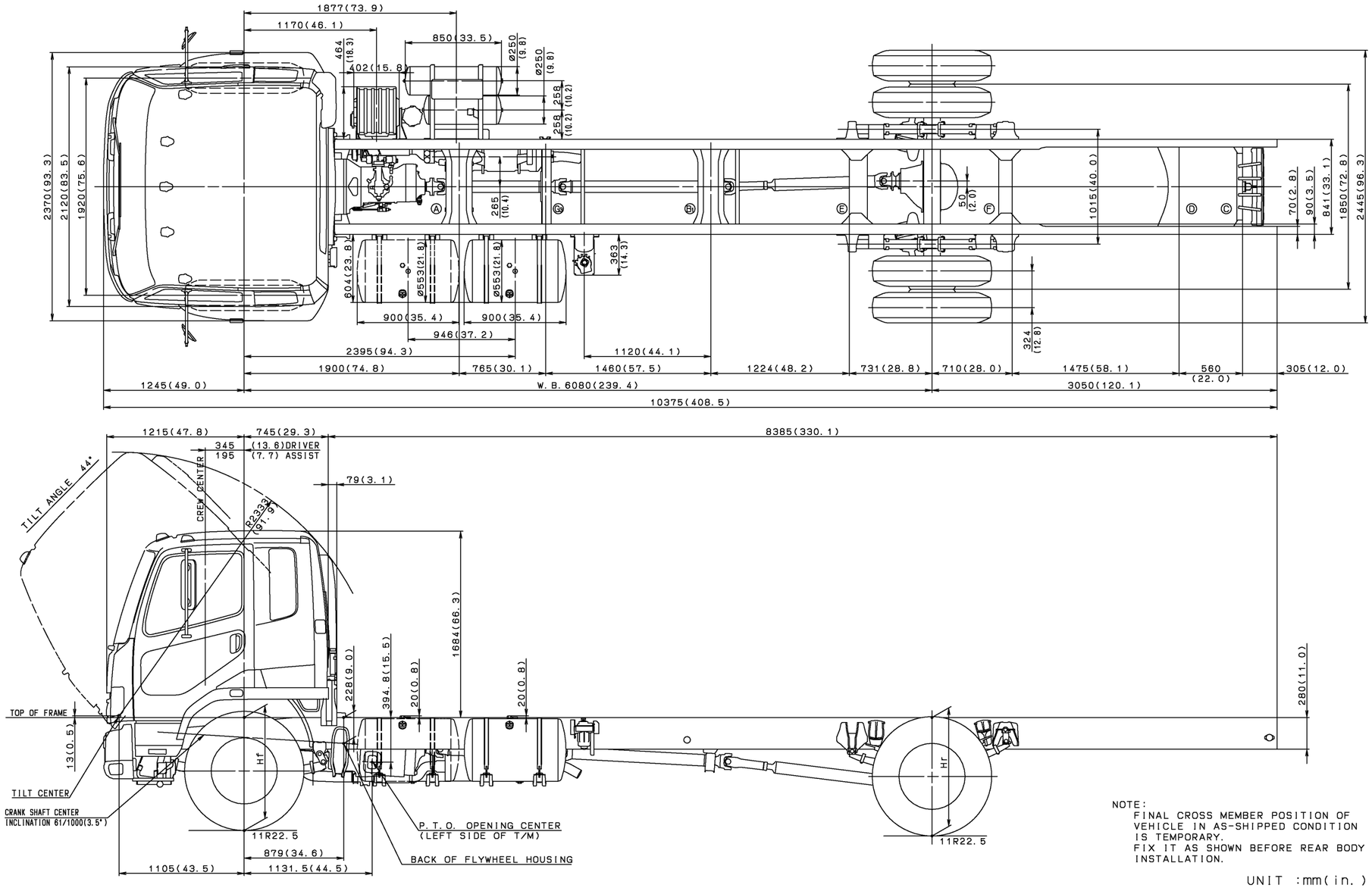
3.20 FM65FP-G



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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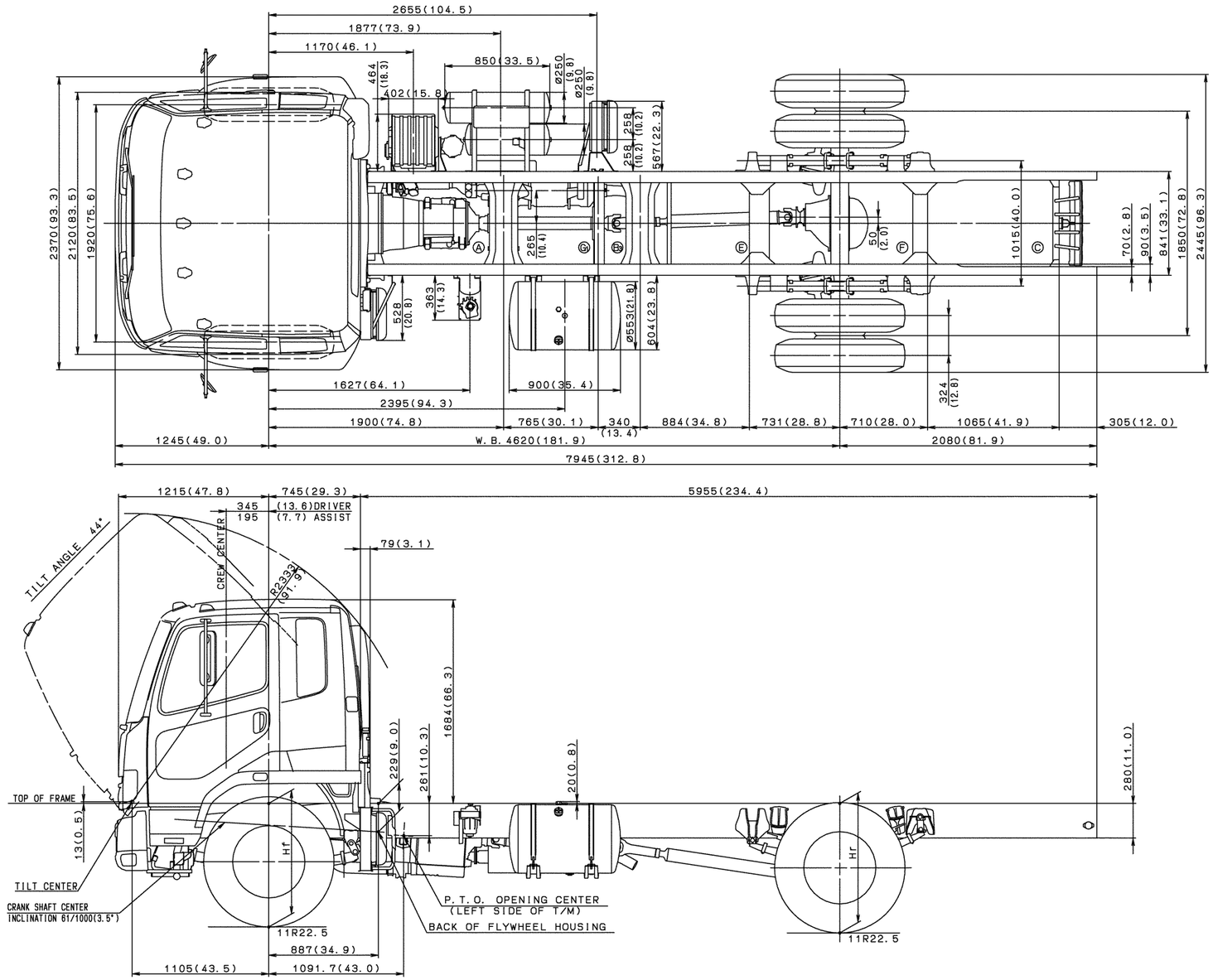
3.21 FM65FJ-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT : mm (in)

SCALE : 1/40

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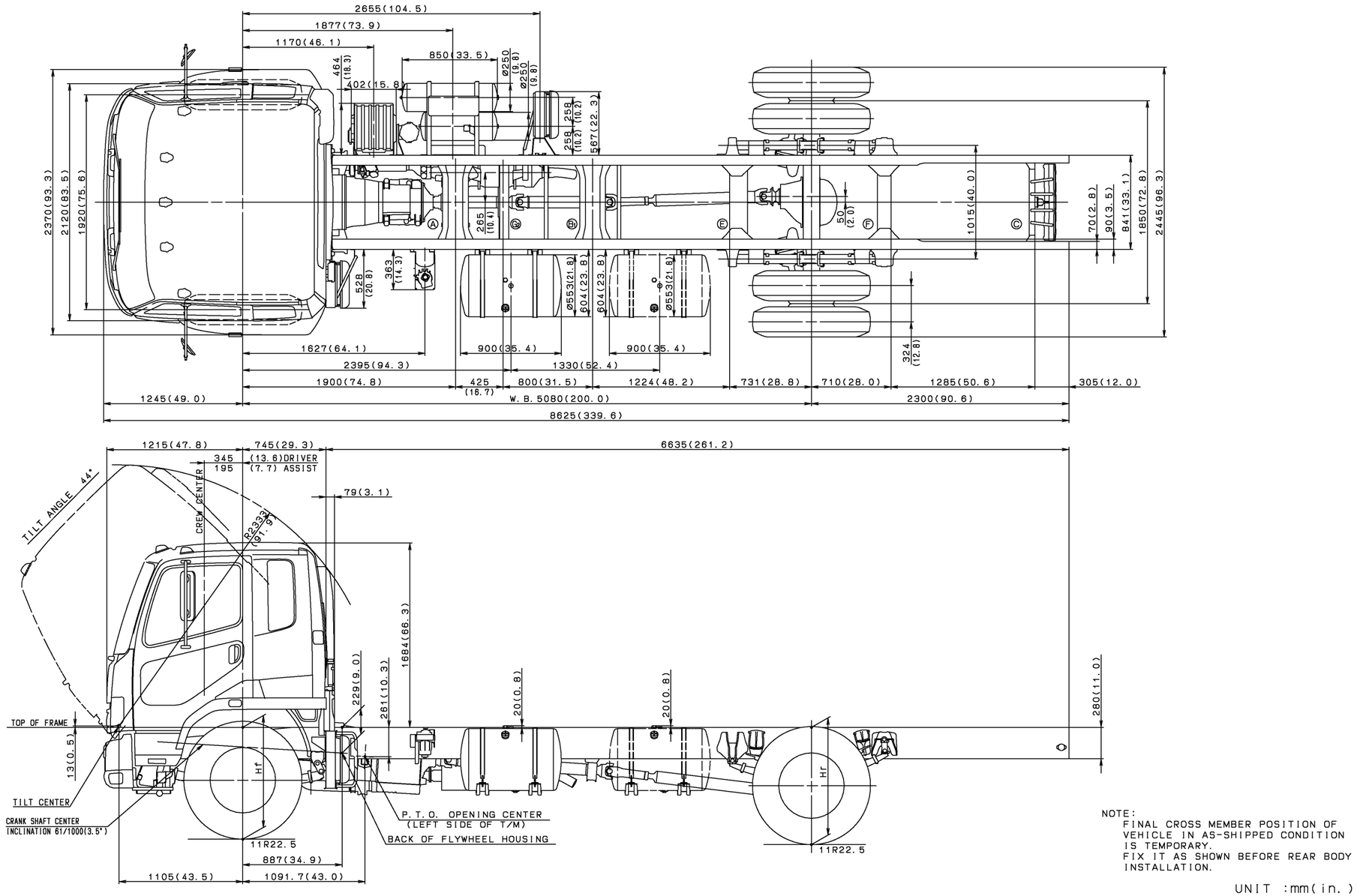
3.22 FM65FL-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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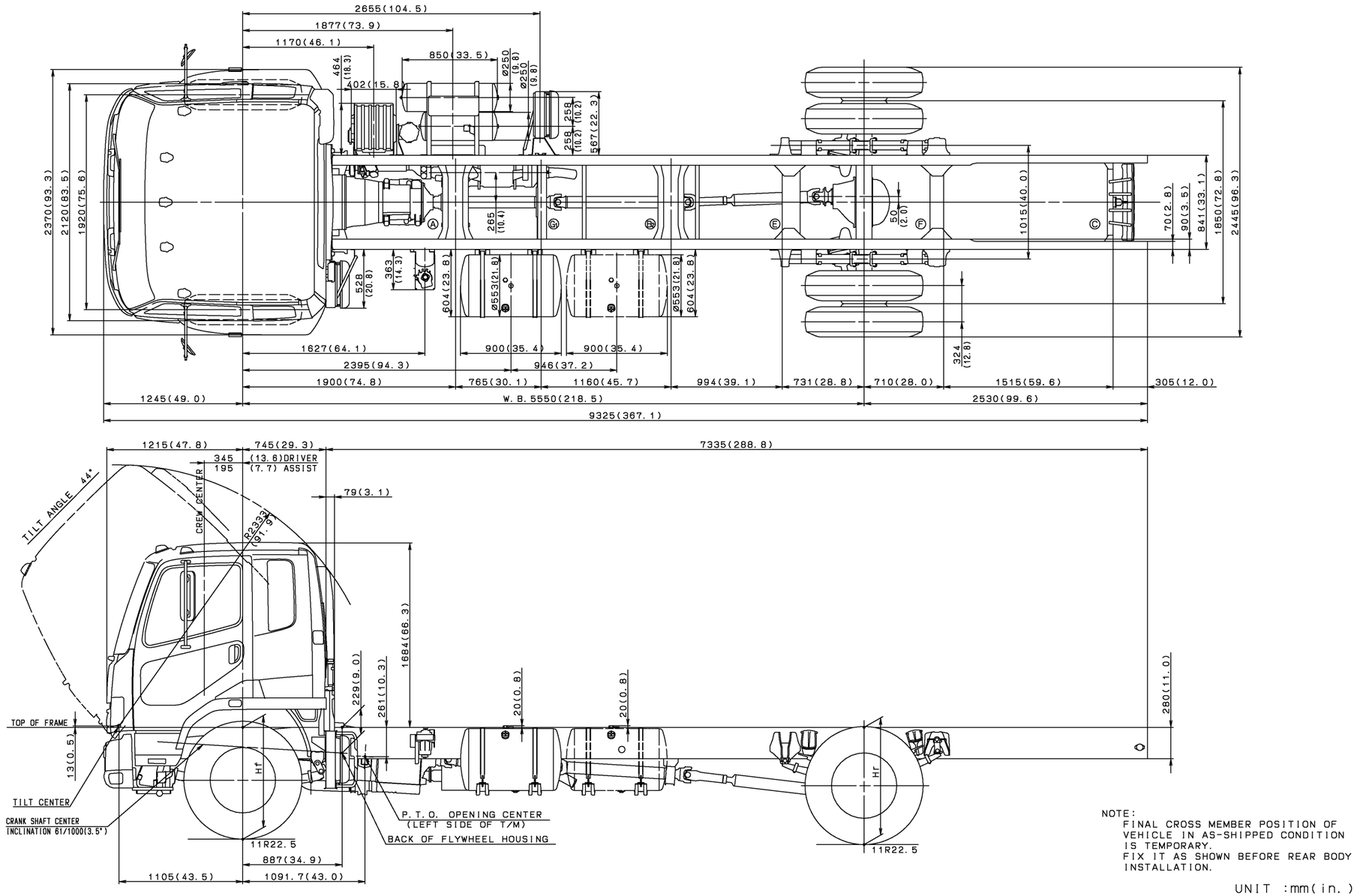
3.23 FM65FM-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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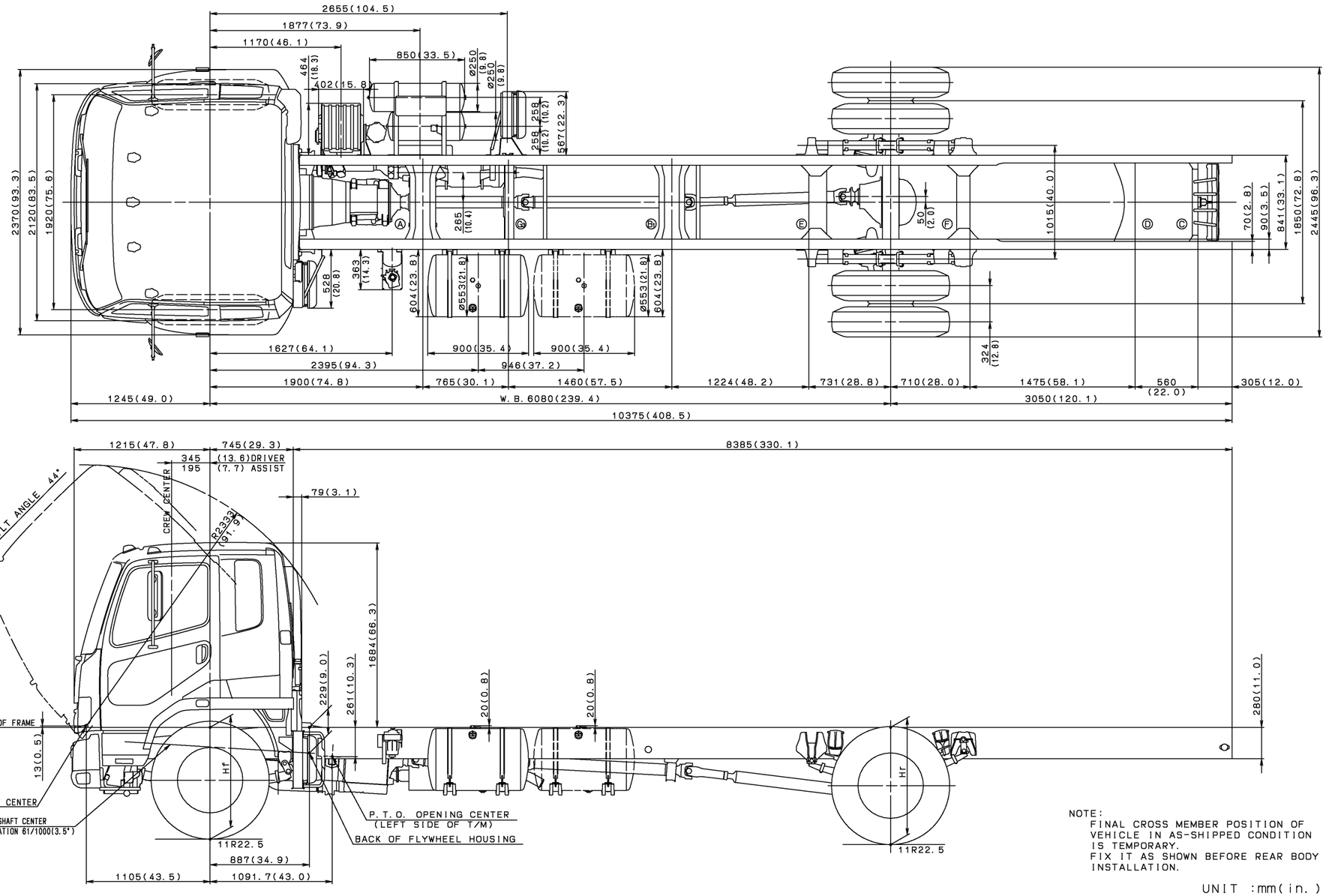
3.24 FM65FP-H



NOTE:
FINAL CROSS MEMBER POSITION OF VEHICLE IN AS-SHIPPED CONDITION IS TEMPORARY.
FIX IT AS SHOWN BEFORE REAR BODY INSTALLATION.

UNIT :mm(in.)
SCALE:1/40

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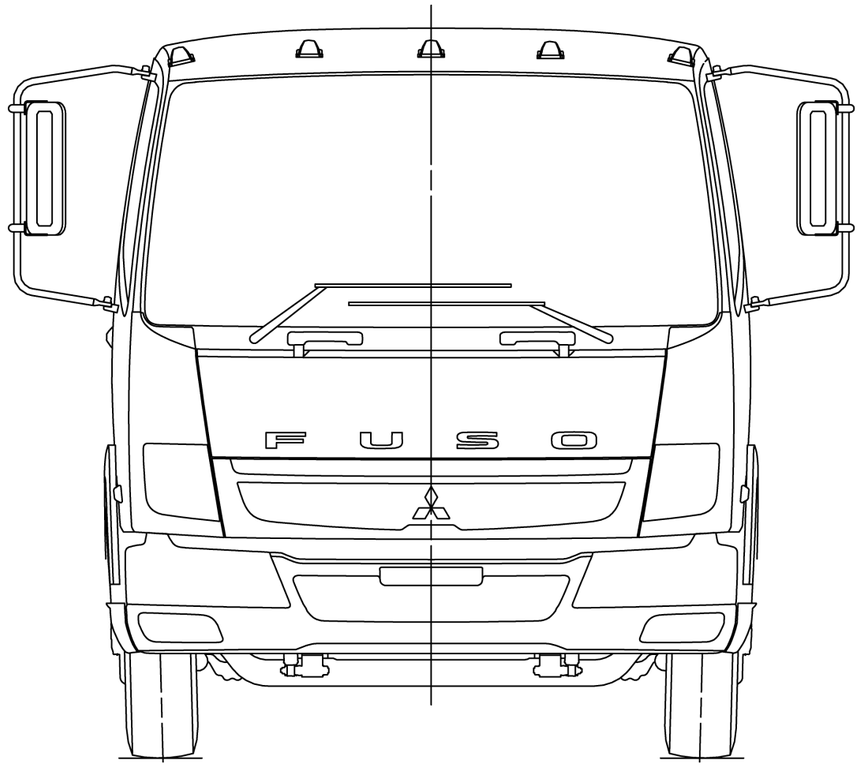
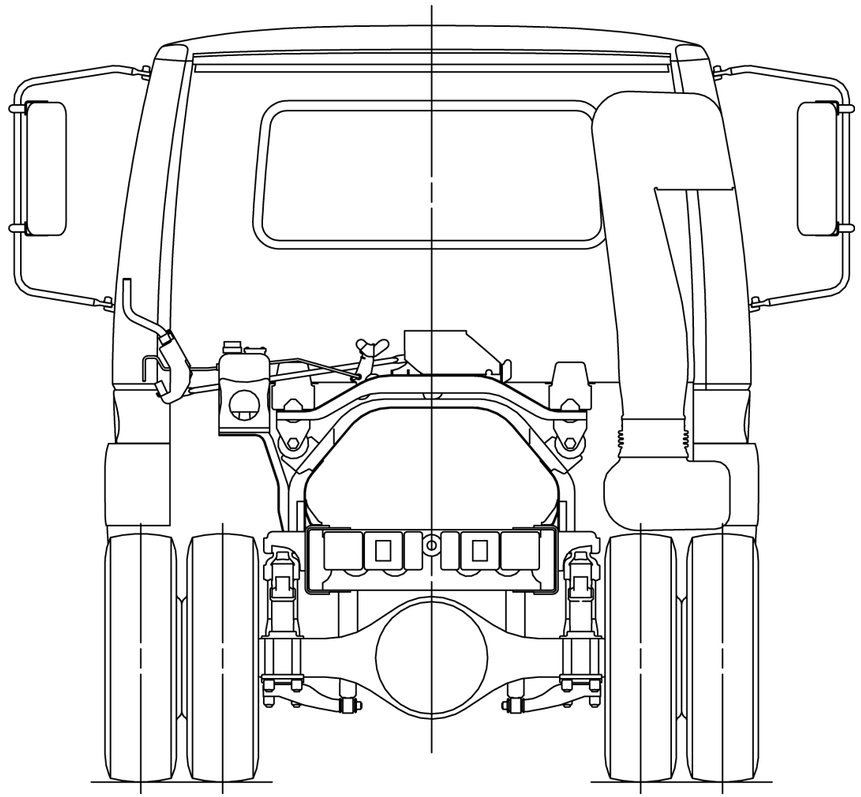
4. CAB/CHASSIS FRONT AND REAR VIEW

4.1 FK61F Series





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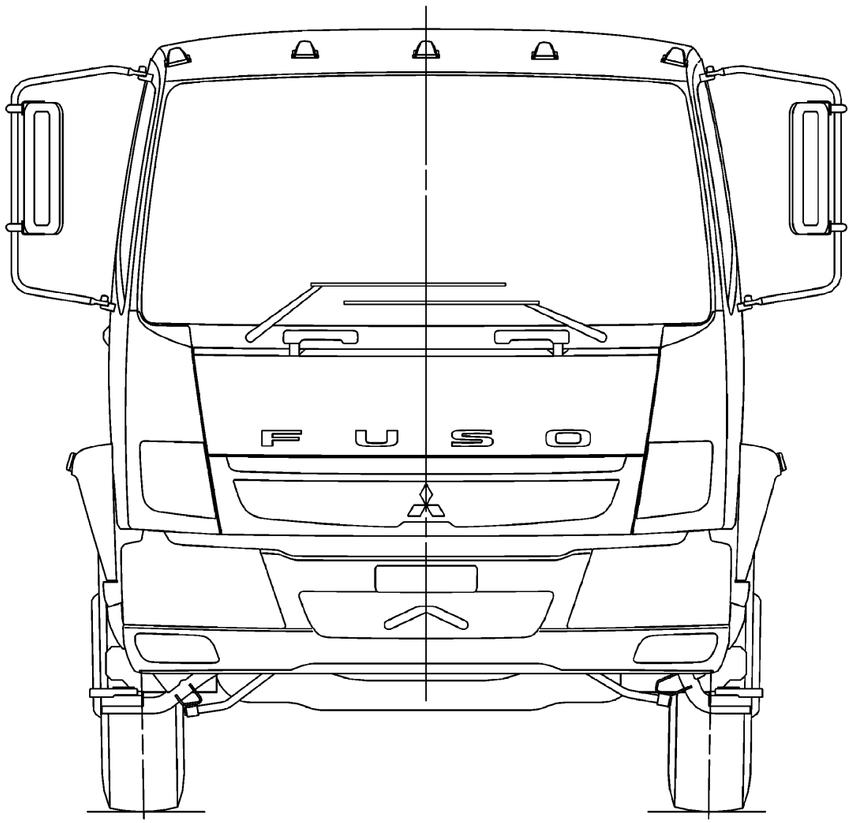
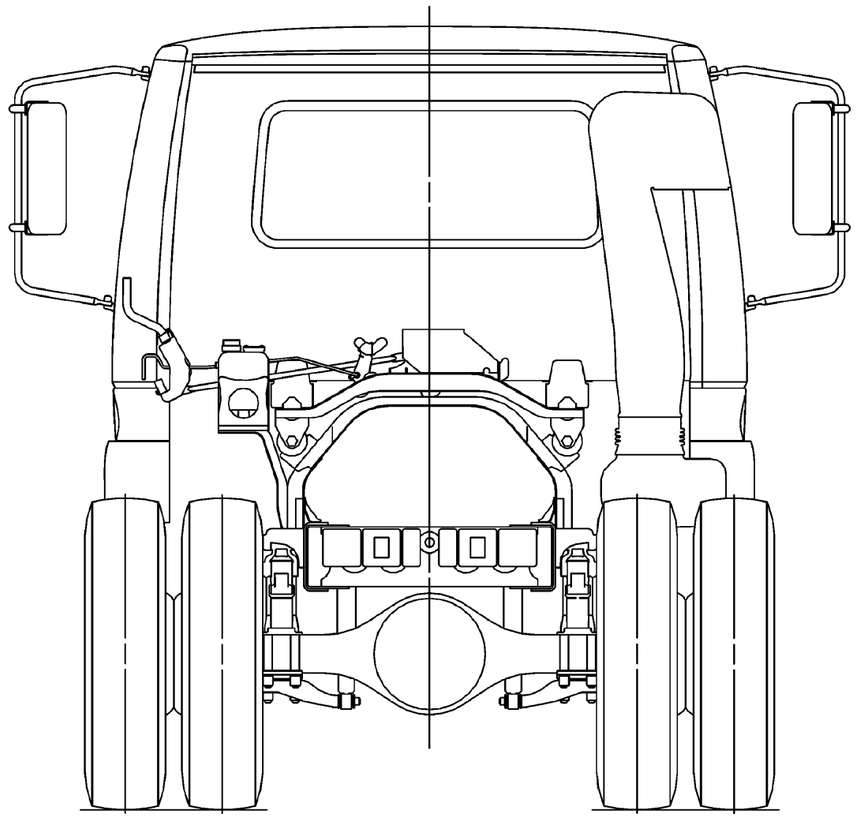
4.2 FK62F Series





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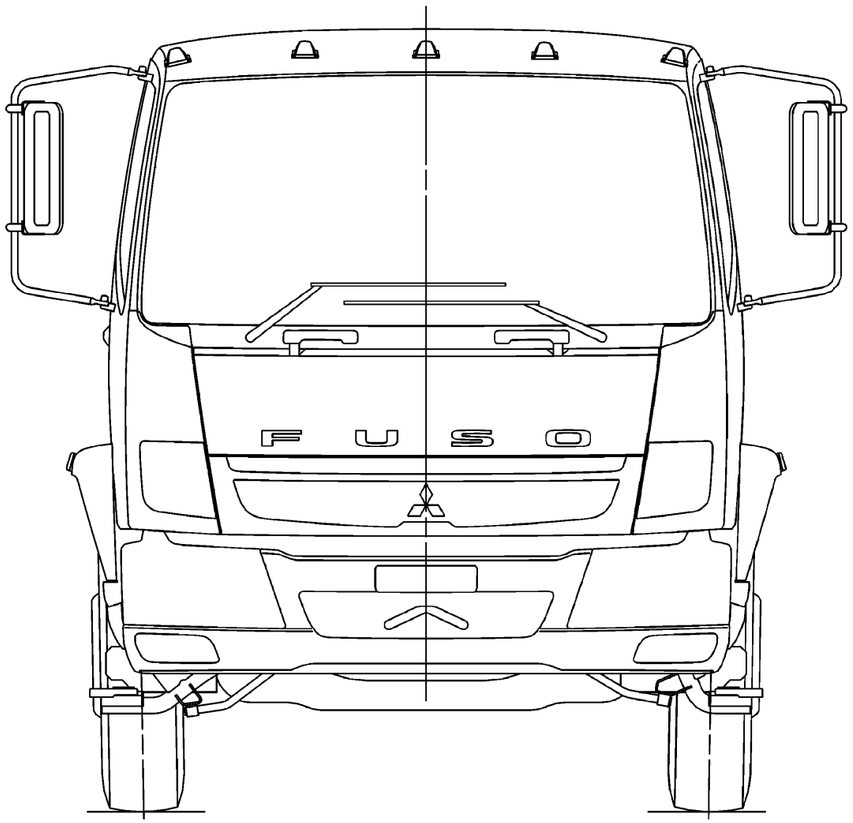
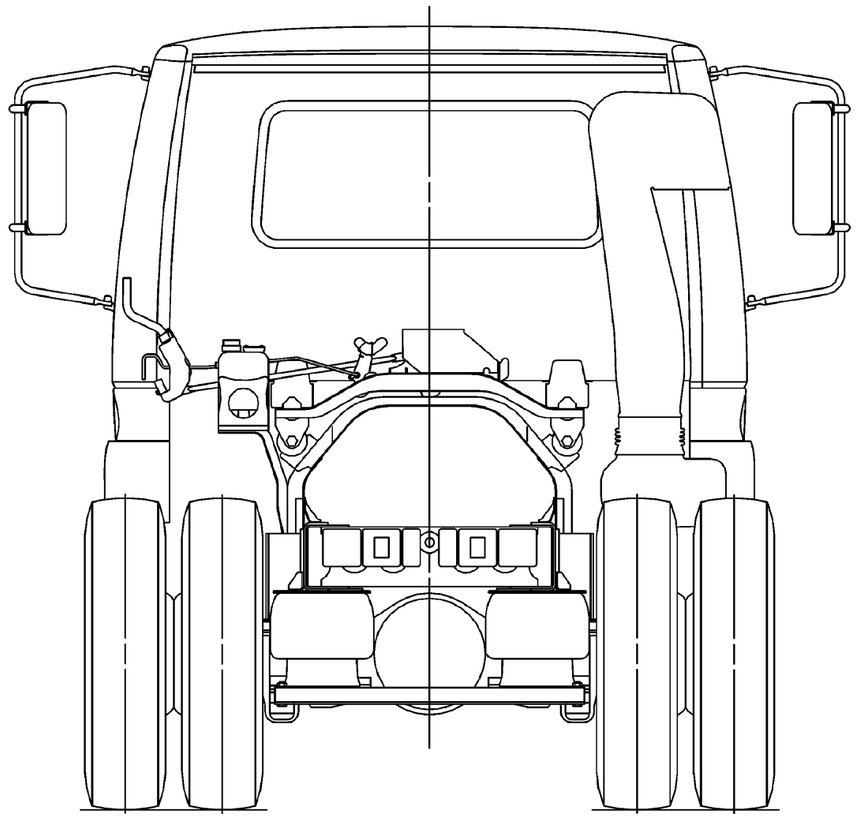
4.3 FK65F Series





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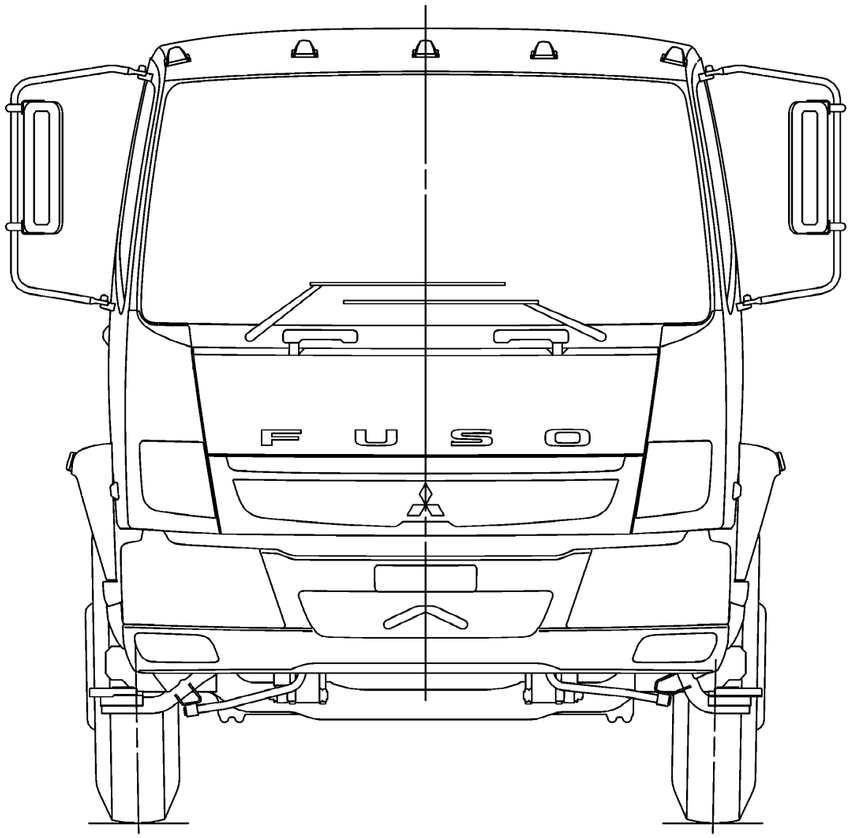
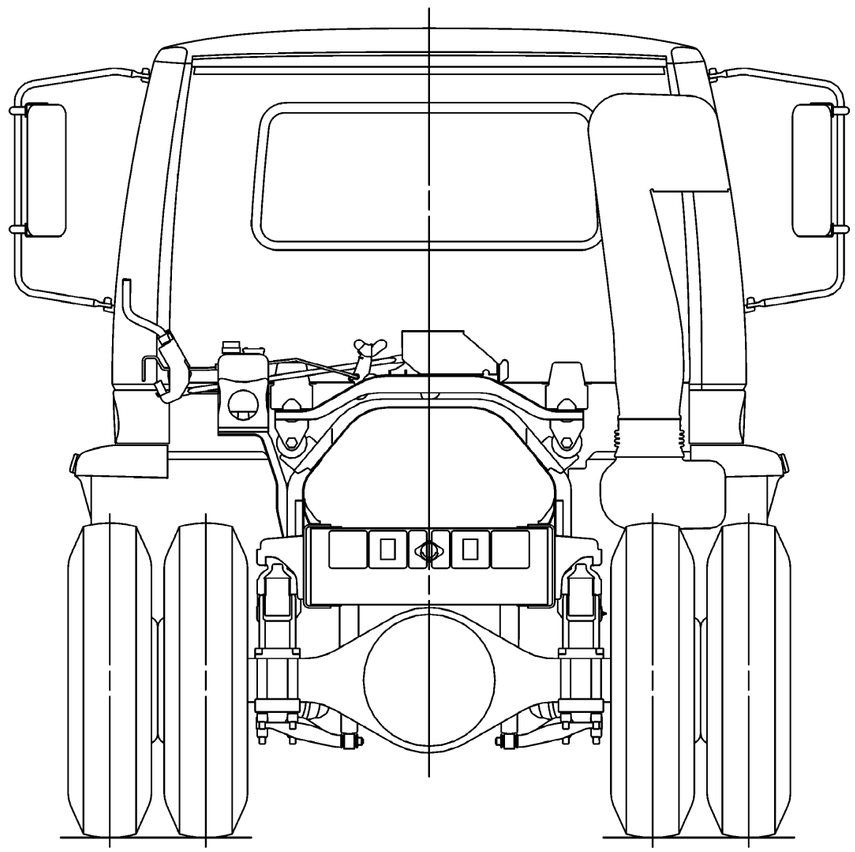
4.4 FM65F Series





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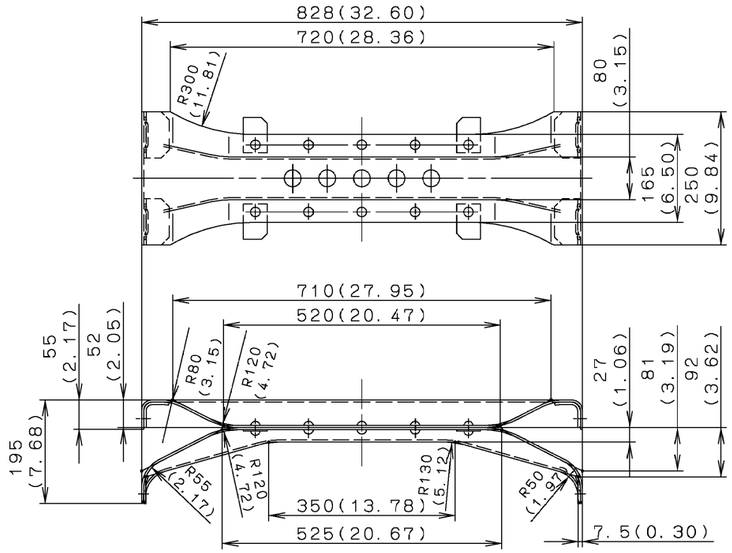
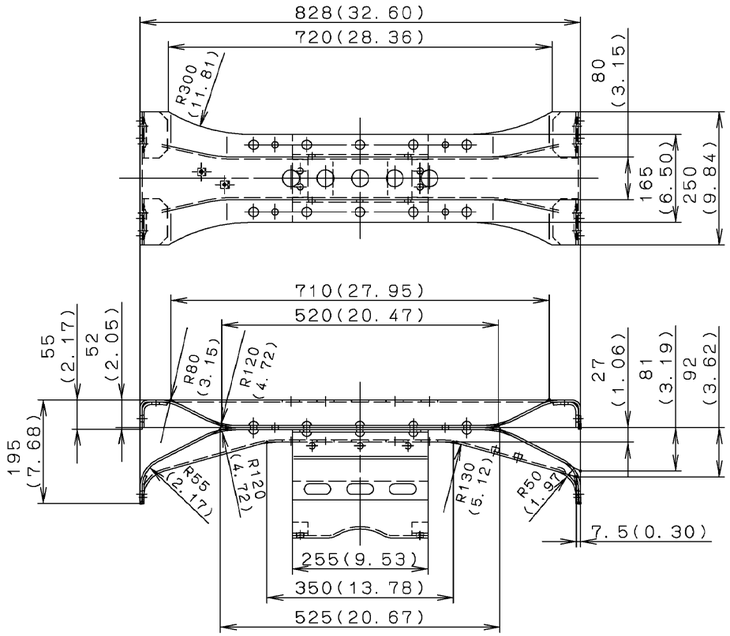
5. DETAILS OF CROSSMEMBERS

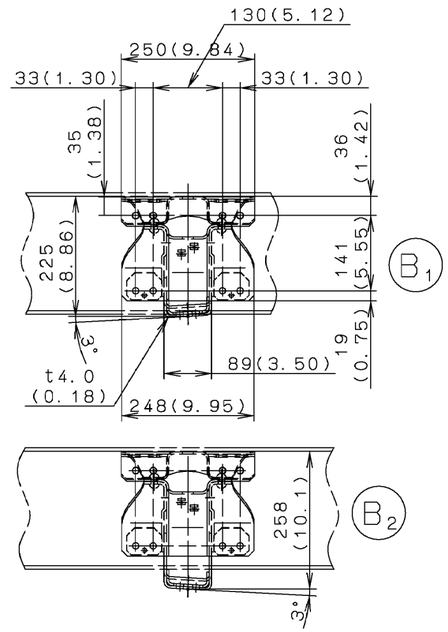
5.1 FK61F, FK62F & FK65F Series (1/2)

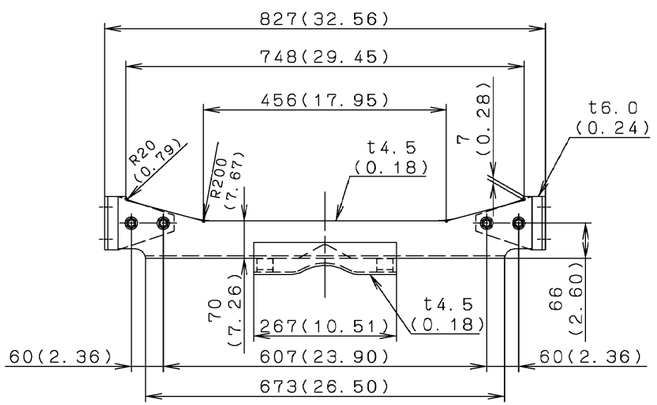


Ⓐ THICKNESS : 4.0(0.16)

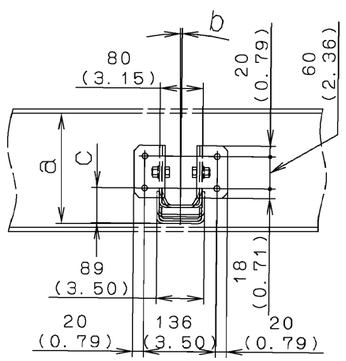


Ⓑ THICKNESS : 4.0(0.16)





Ⓒ



	a	b	c
C_1	230 (9.05)	3°30'	66 (2.6)
C_2	225 (8.86)	1°30'	66 (2.6)
C_3	207 (8.15)	0°30'	66 (2.6)
C_4	241 (9.49)	2°30'	86 (3.38)

UNIT : mm(in.)

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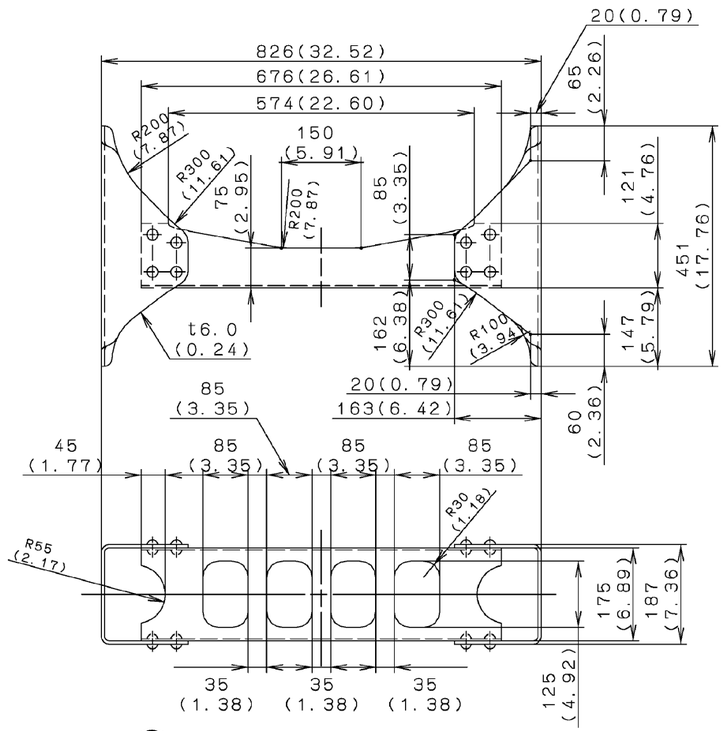
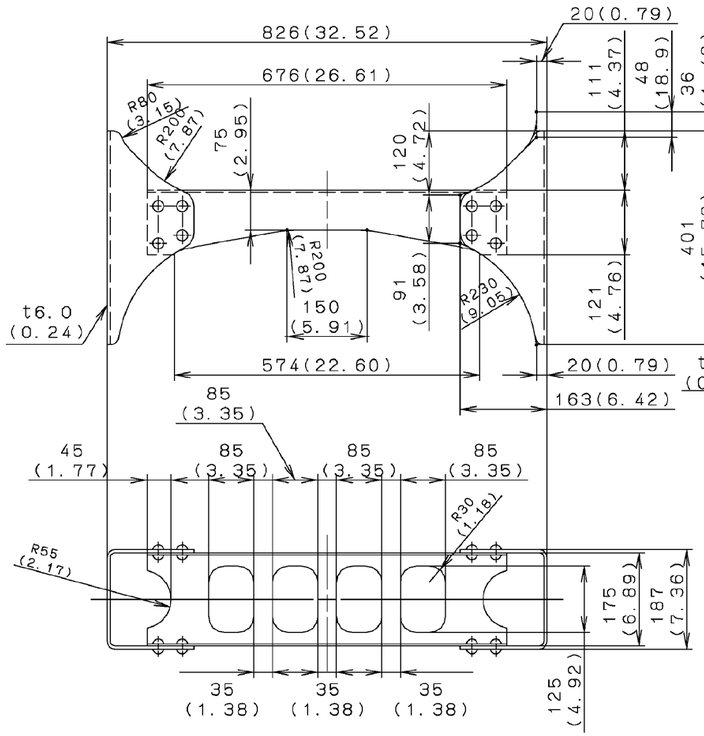
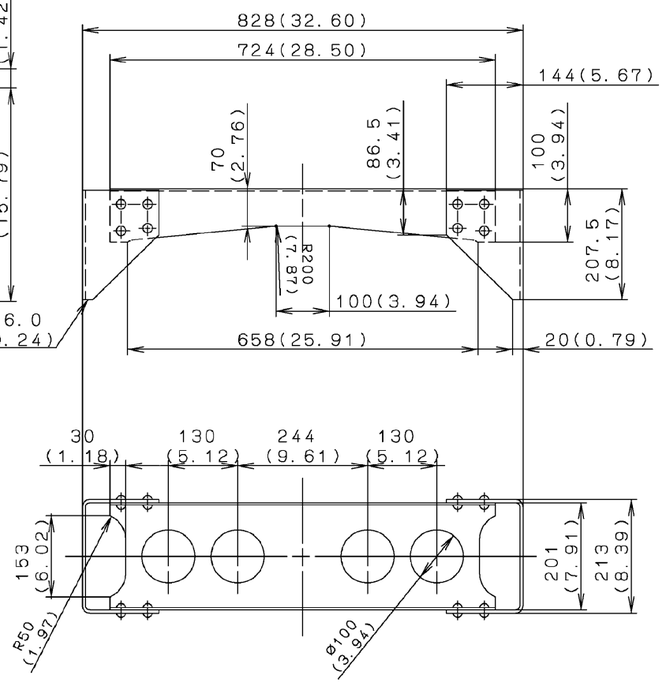
5.1 FK61F, FK62F & FK65F Series (2/2)



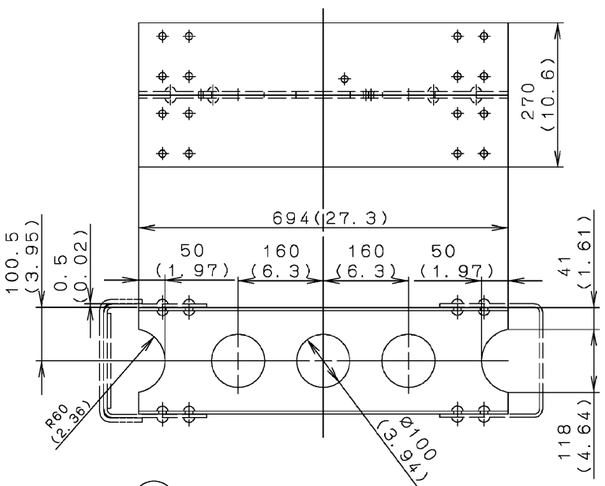
D THICKNESS:4.0(0.16)



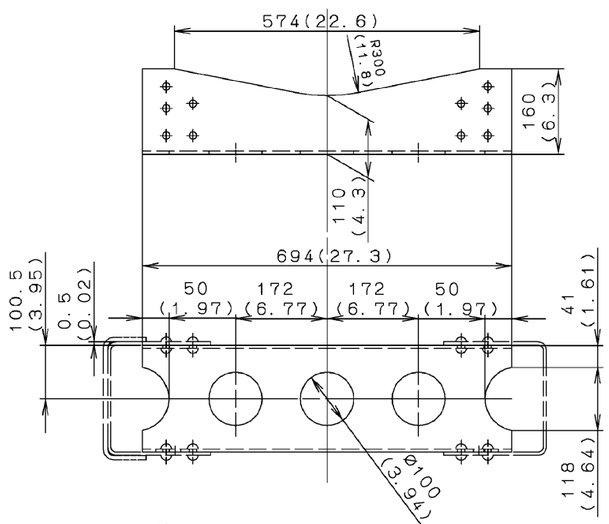
E THICKNESS:4.0(0.16)



F THICKNESS:4.0(0.16)



G THICKNESS:6.0(0.24)



H THICKNESS:6.0(0.24)

UNIT :mm(in.)

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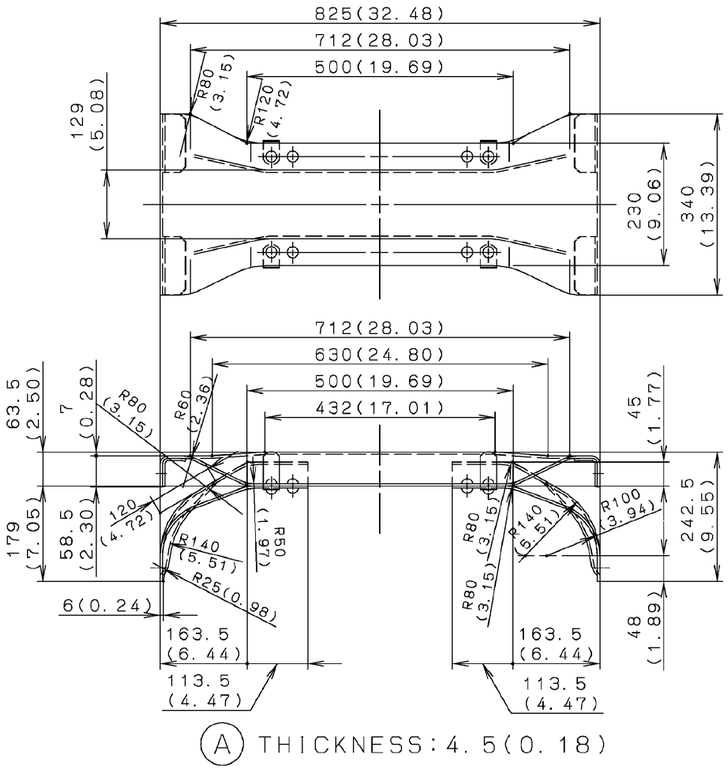
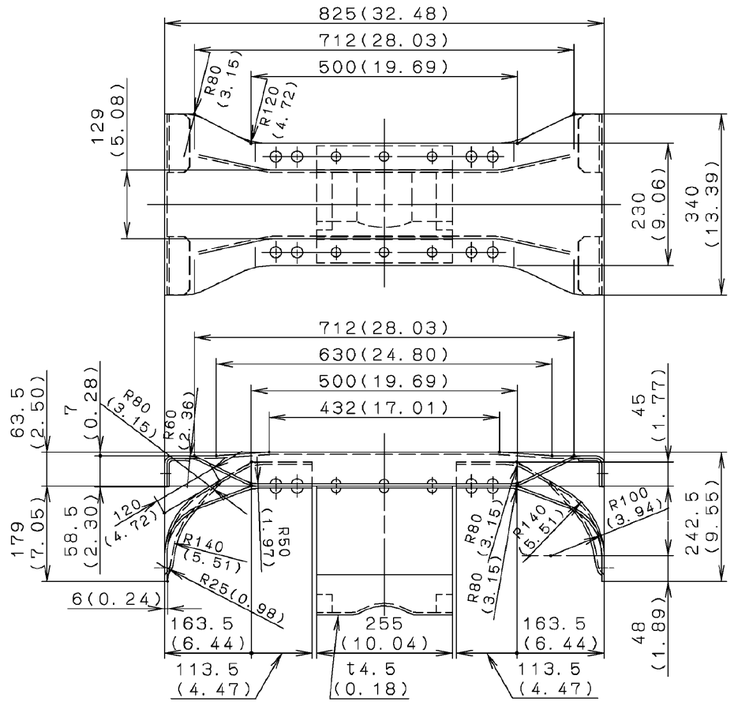
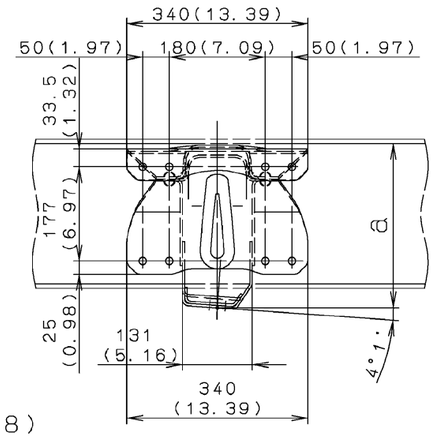
5.2 FM65F Series (1/2)

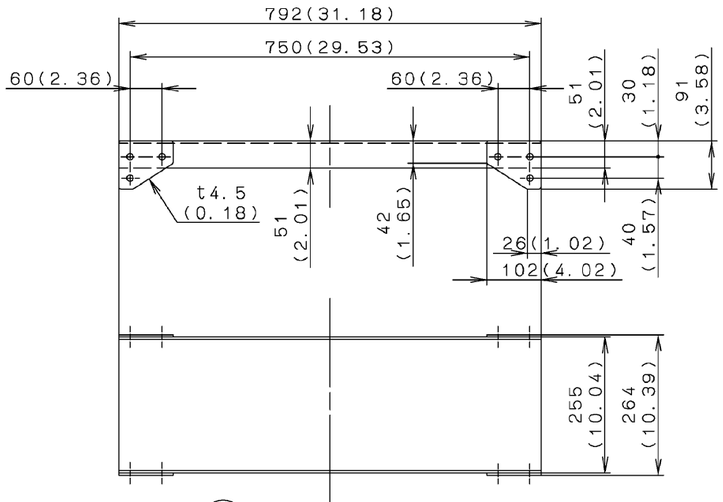


(A) THICKNESS:4.5(0.18)

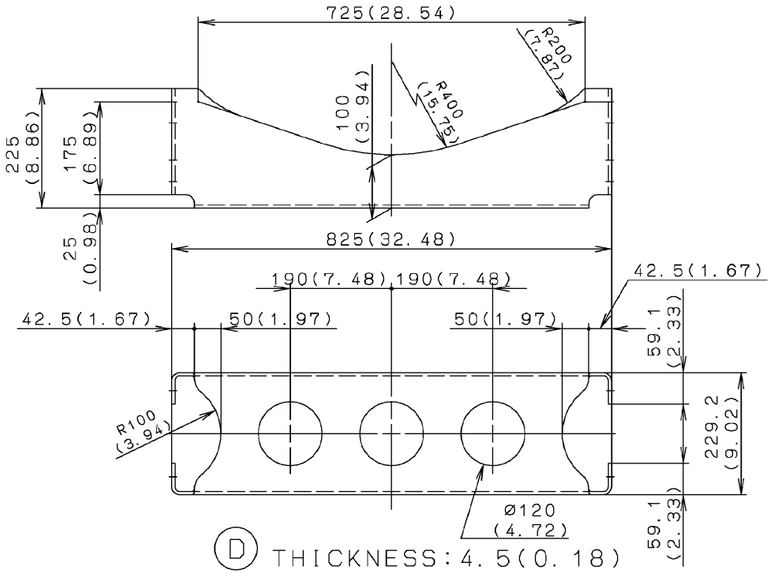


(B) THICKNESS:4.5(0.18)





(C) THICKNESS:4.5(0.18)



(D) THICKNESS:4.5(0.18)

	a
B_1	308.5 (12.1)
B_2	342 (13.4)
B_3	—

UNIT :mm(in.)

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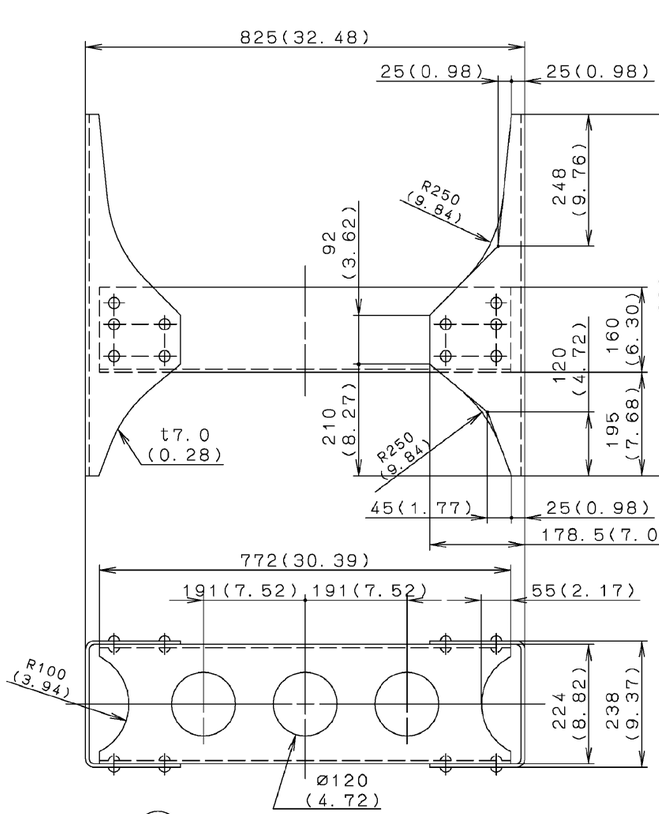
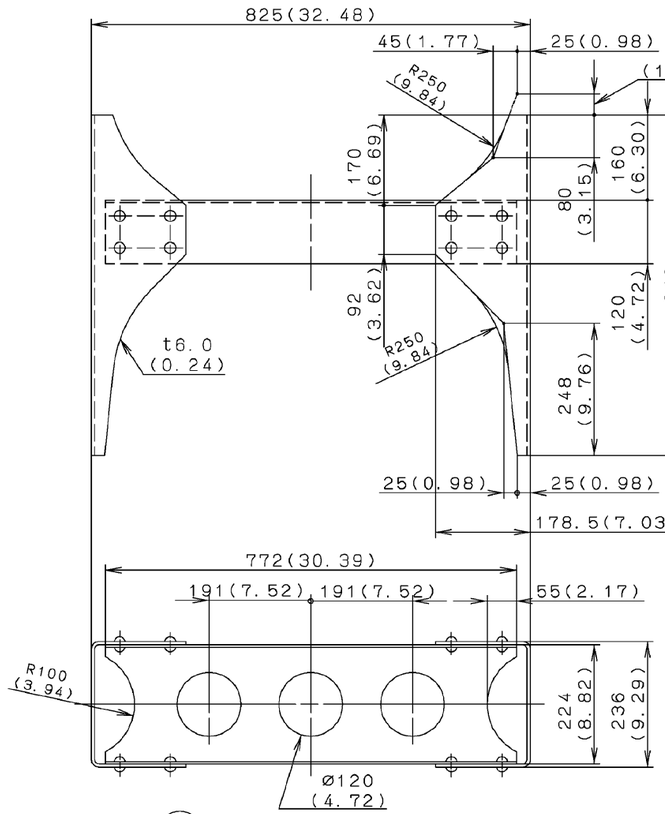
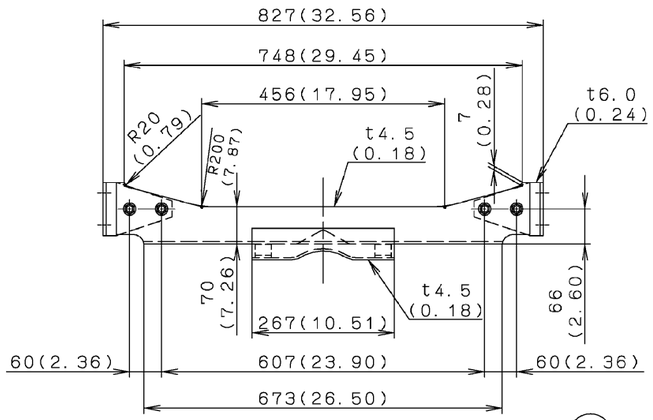
5.2 FM65F Series (2/2)



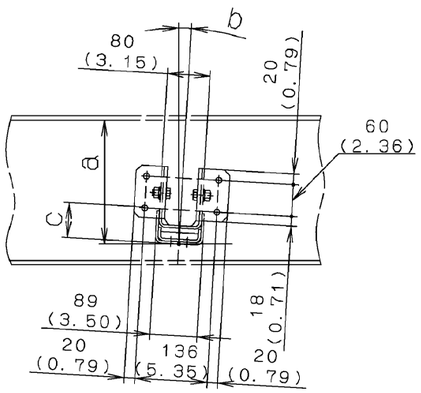
E THICKNESS:6.0(0.24)



F THICKNESS:4.5(0.18)



G



	a	b	c
G1	270 (10.6)	3°45'	66 (2.6)
G2	253 (9.96)	3°20'	86 (3.38)
G3	223 (9.17)	3°20'	66 (2.6)

UNIT :mm(in.)

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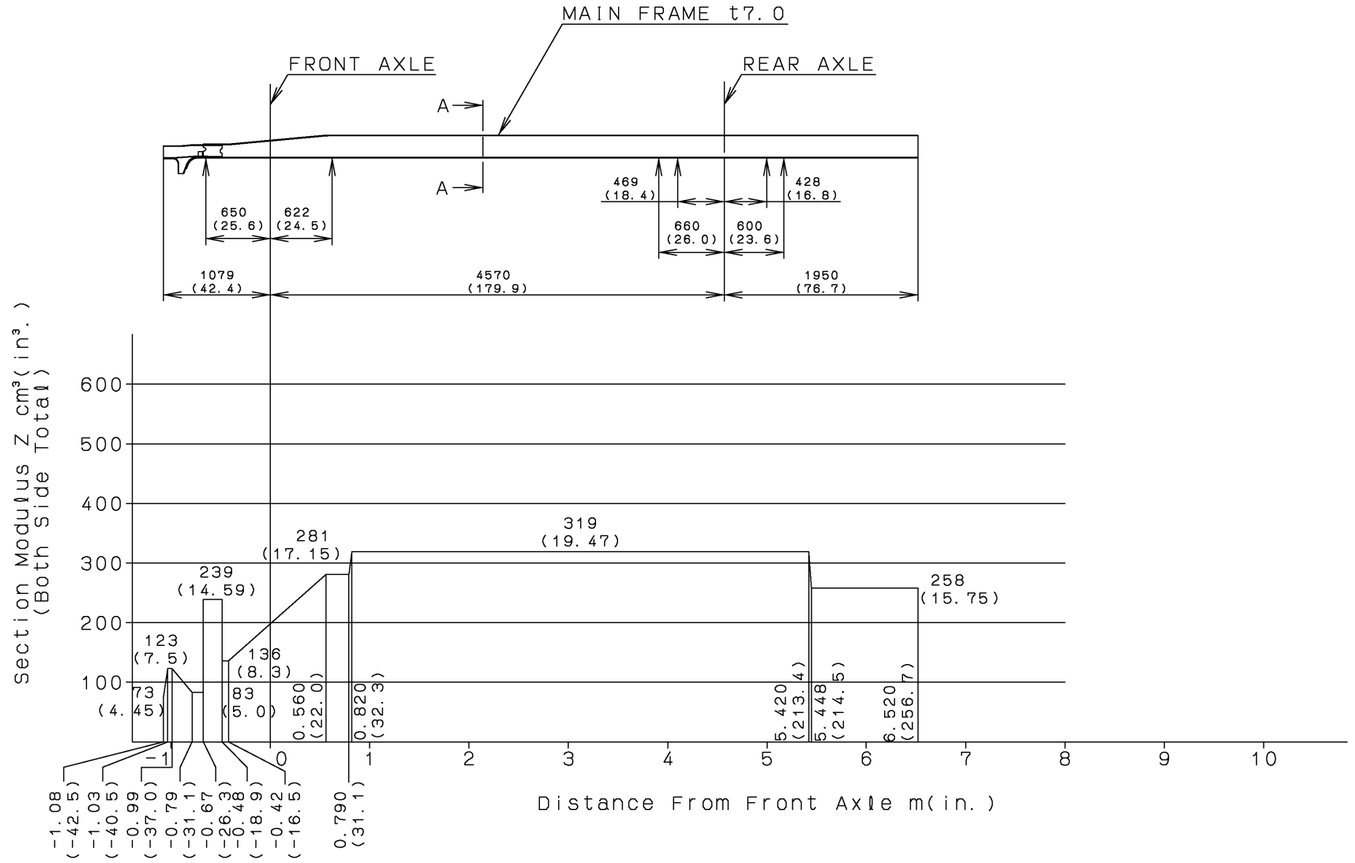
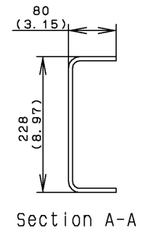
6. FRAME SECTION MODULUS DIAGRAM

6.1 FK61F Series (1/3)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³





Section A-A

FK61FJ-H

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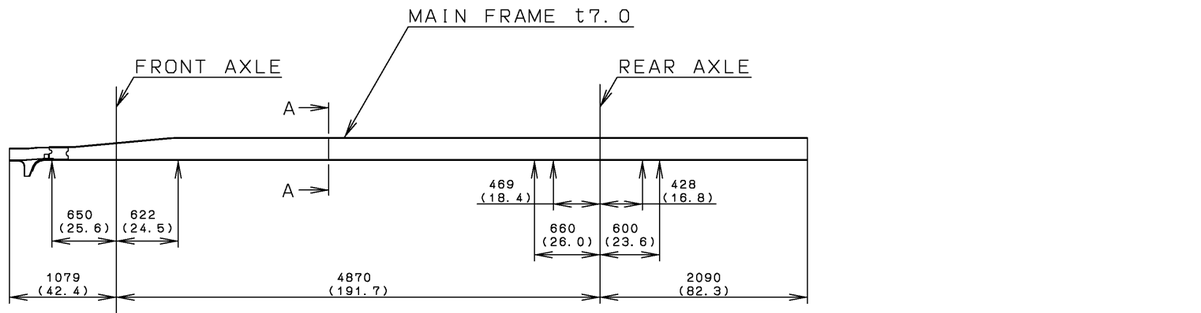
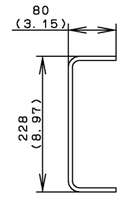
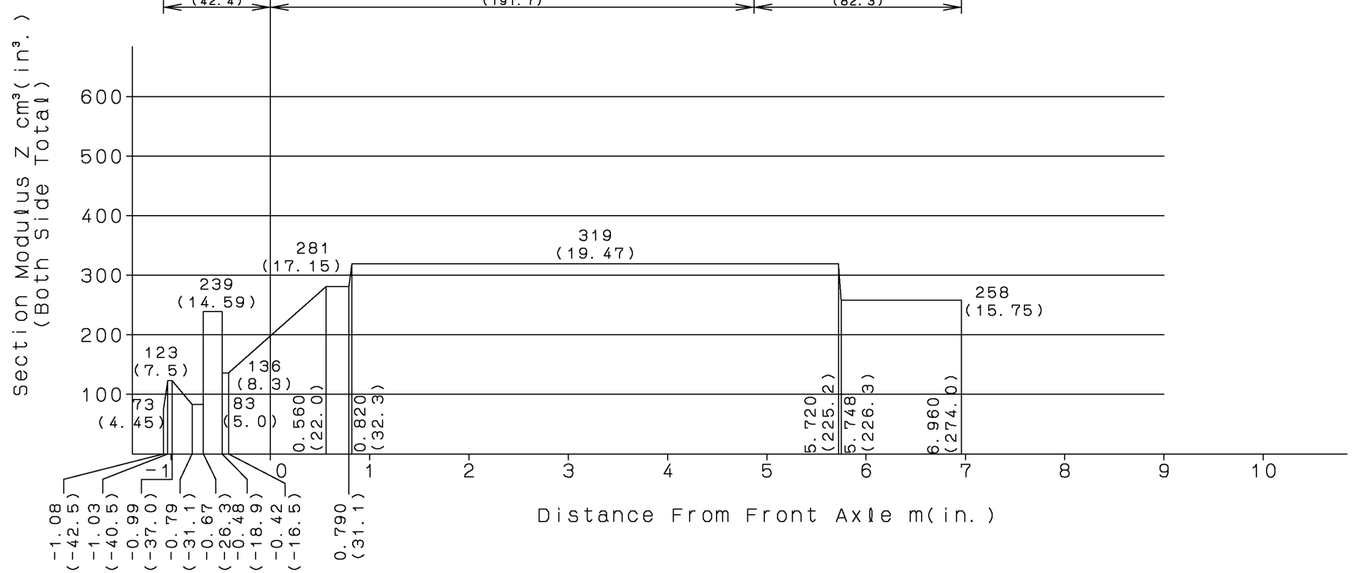
6.1 FK61F Series (2/3)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³





Section A-A



FK61FK-H

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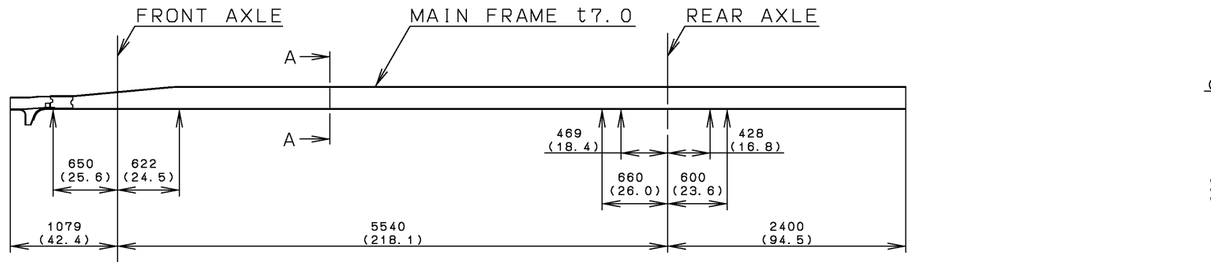
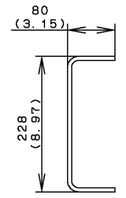
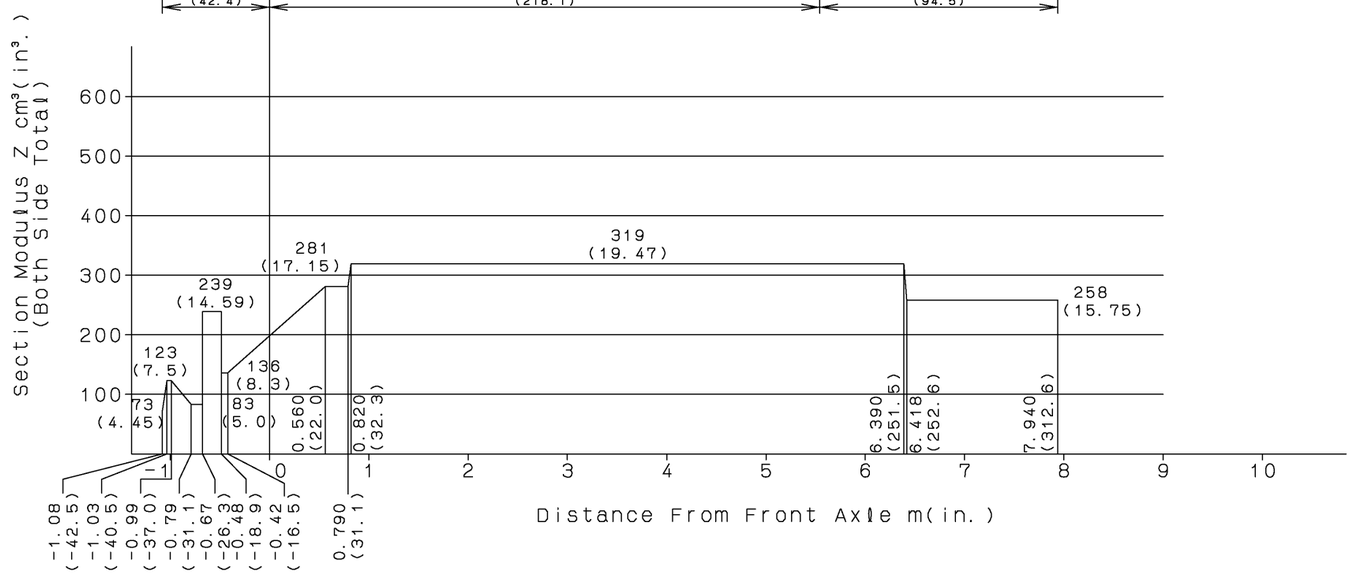
6.1 FK61F Series (3/3)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³





Section A-A



FK61FM-H

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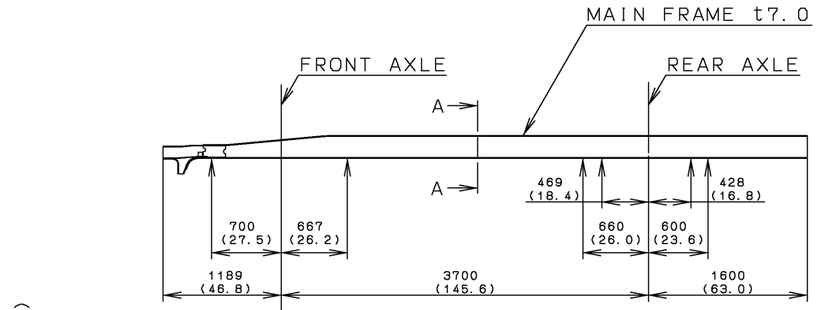
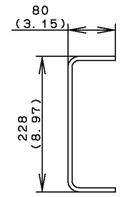
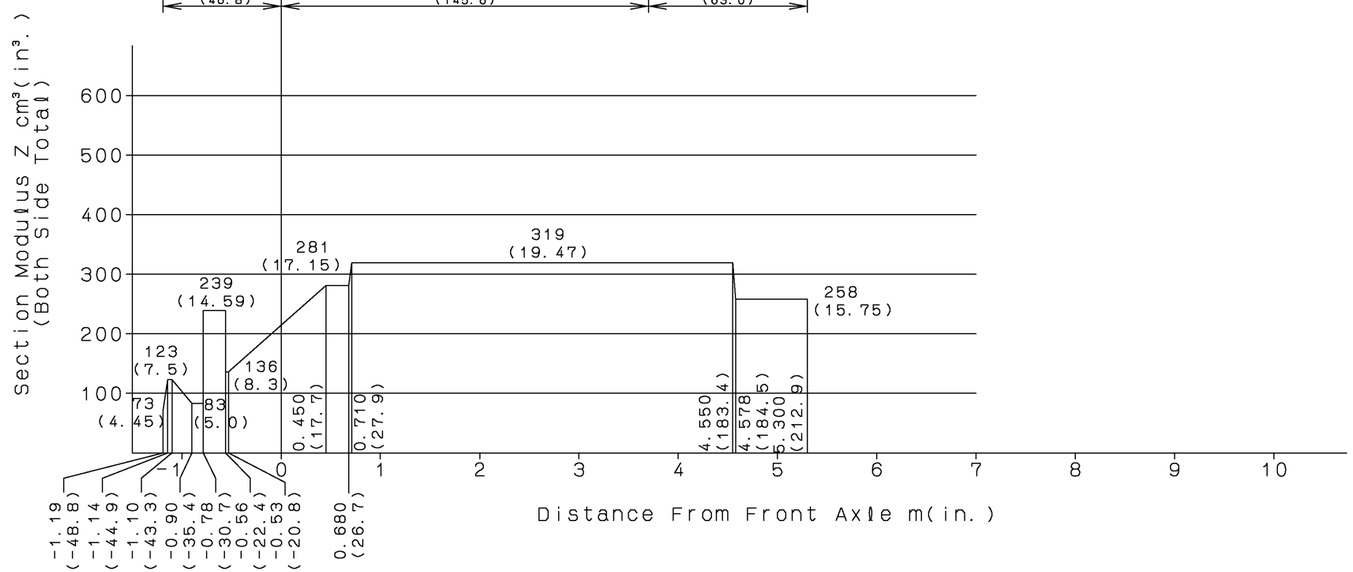
6.2 FK62F Series (1/5)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³





Section A-A



FK62FF-G

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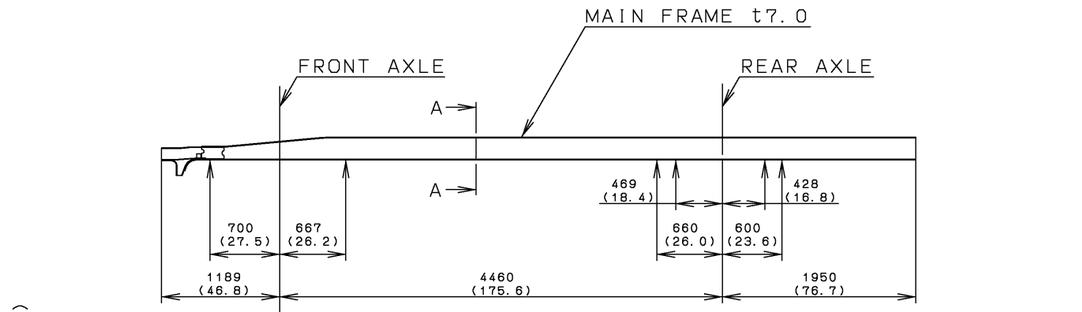
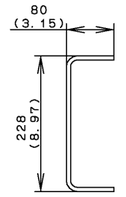
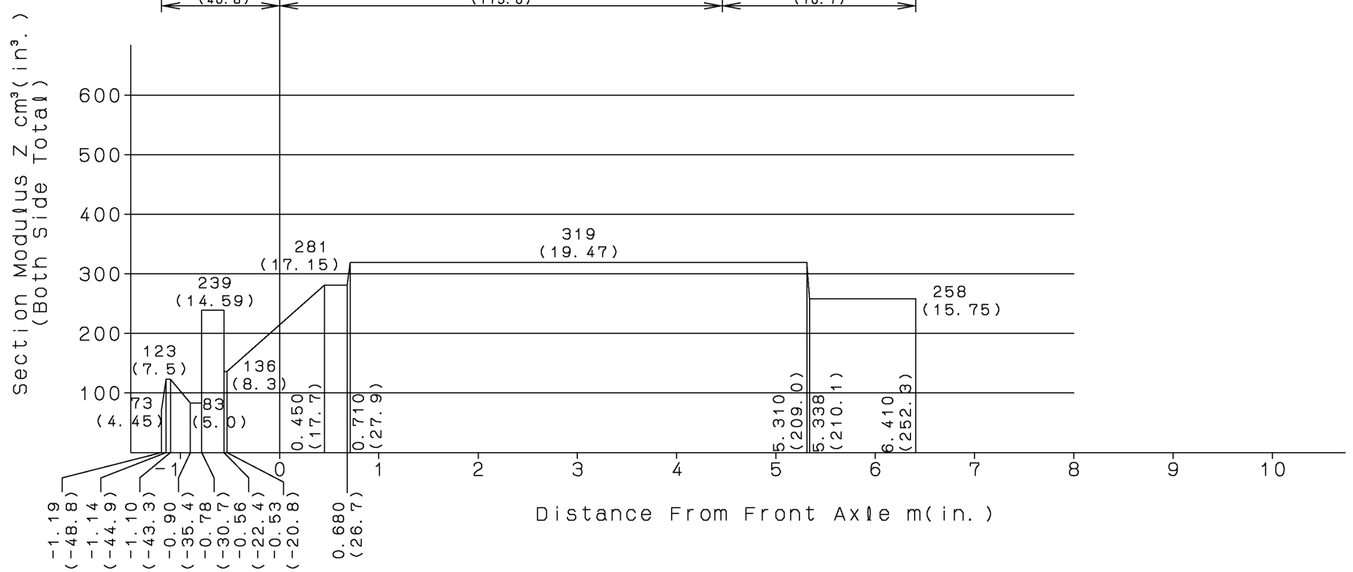
6.2 FK62F Series (2/5)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³





Section A-A



FK62FJ-G
FK62FJ-H

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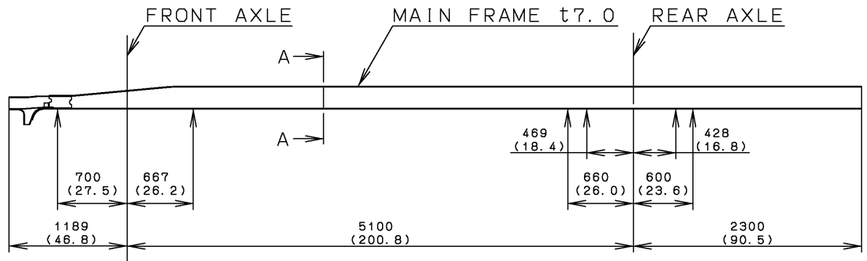
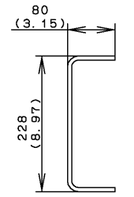
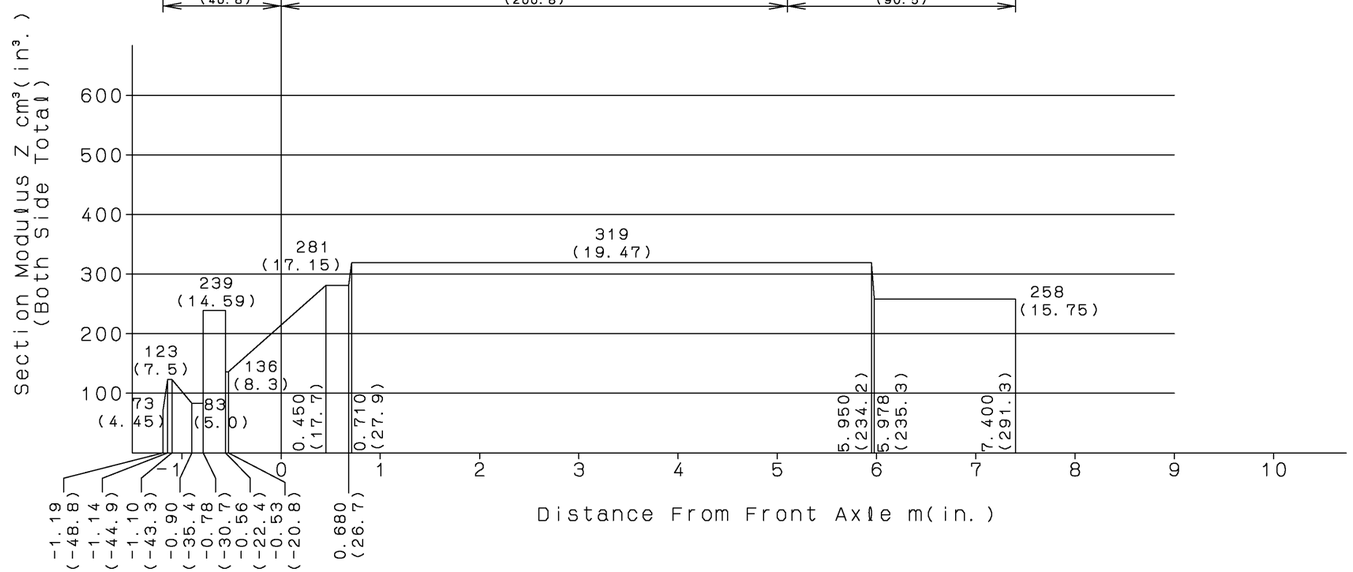
6.2 FK62F Series (3/5)

NOTES:
(1)tensile strength:over 540MPa (78300psi)
(2)tensile yield strength:over 390MPa (56550psi)
(3)findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³





Section A-A



FK62FL-G
FK62FL-H

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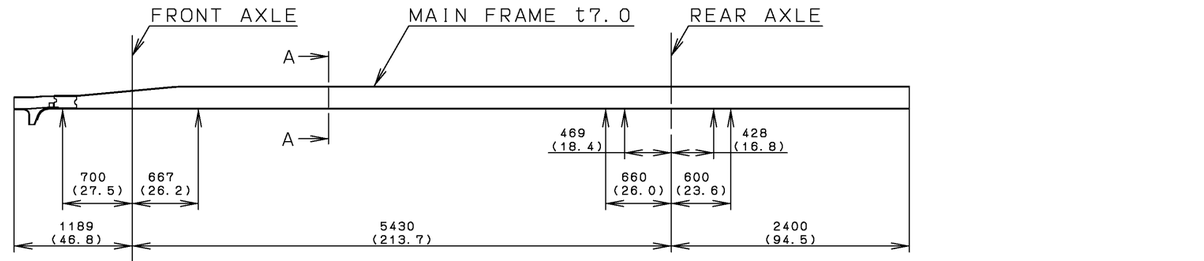
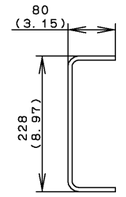
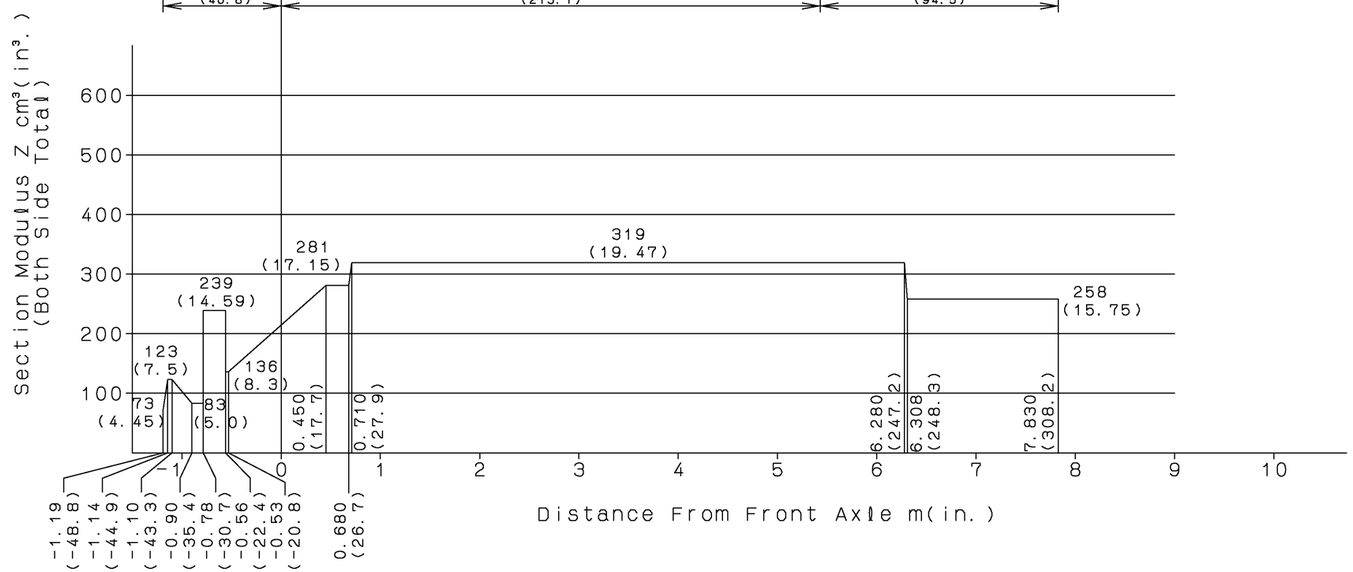
6.2 FK62F Series (4/5)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³





Section A-A



FK62FM-G
FK62FM-H

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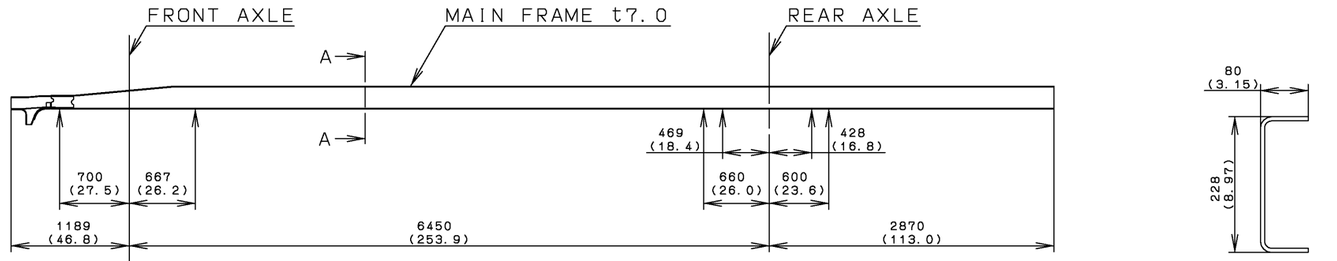
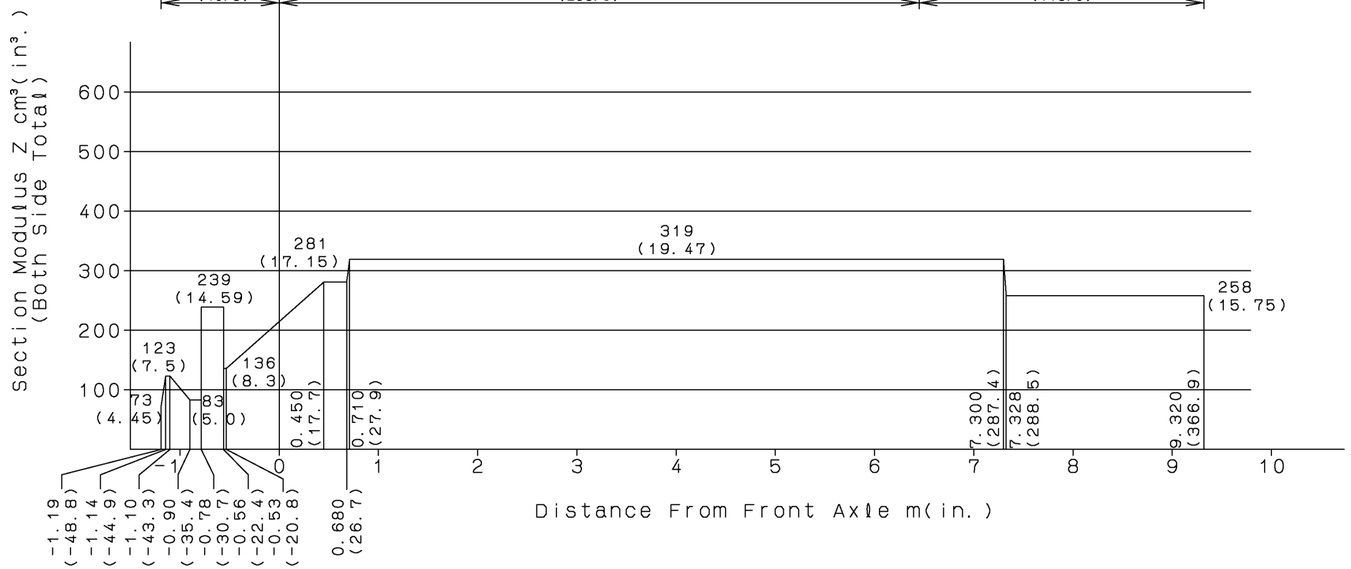
6.2 FK62F Series (5/5)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³



Section A-A



FK62FS-G
FK62FS-H

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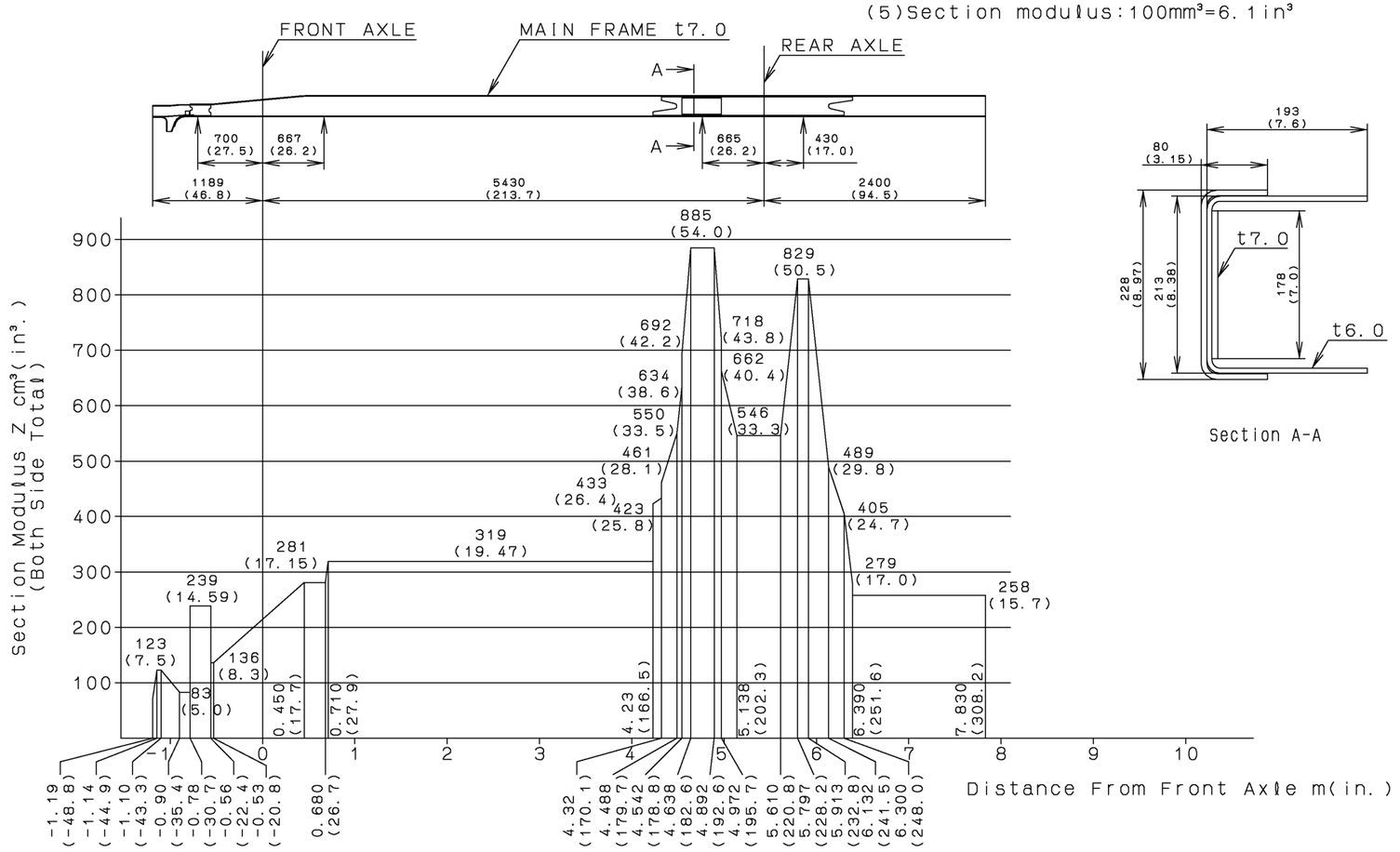
6.3 FK65F Series (1/2)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³



Section A-A

FK65FM-G
FK65FM-H

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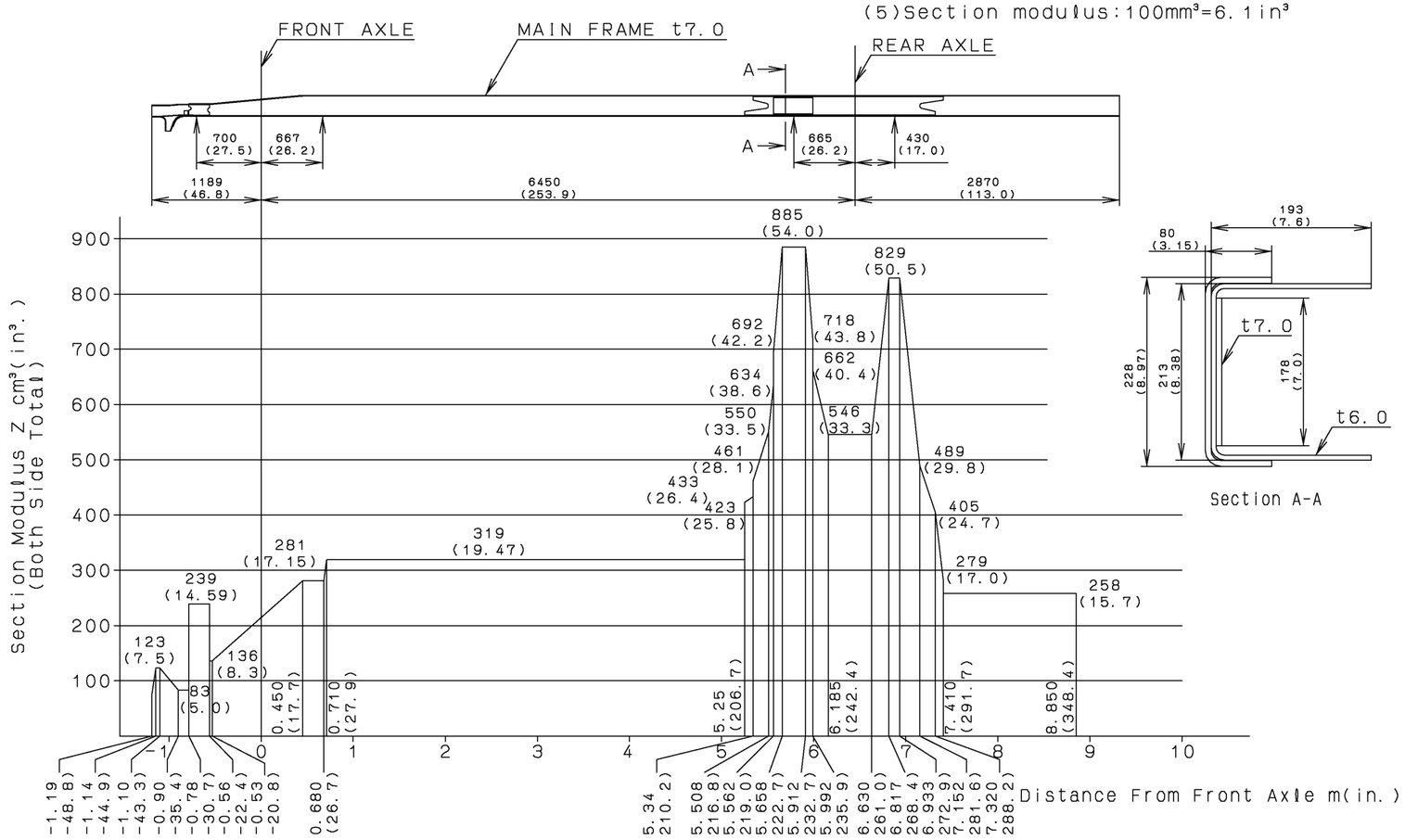
6.3 FK65F Series (2/2)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³



FK65FS-G
FK65FS-H

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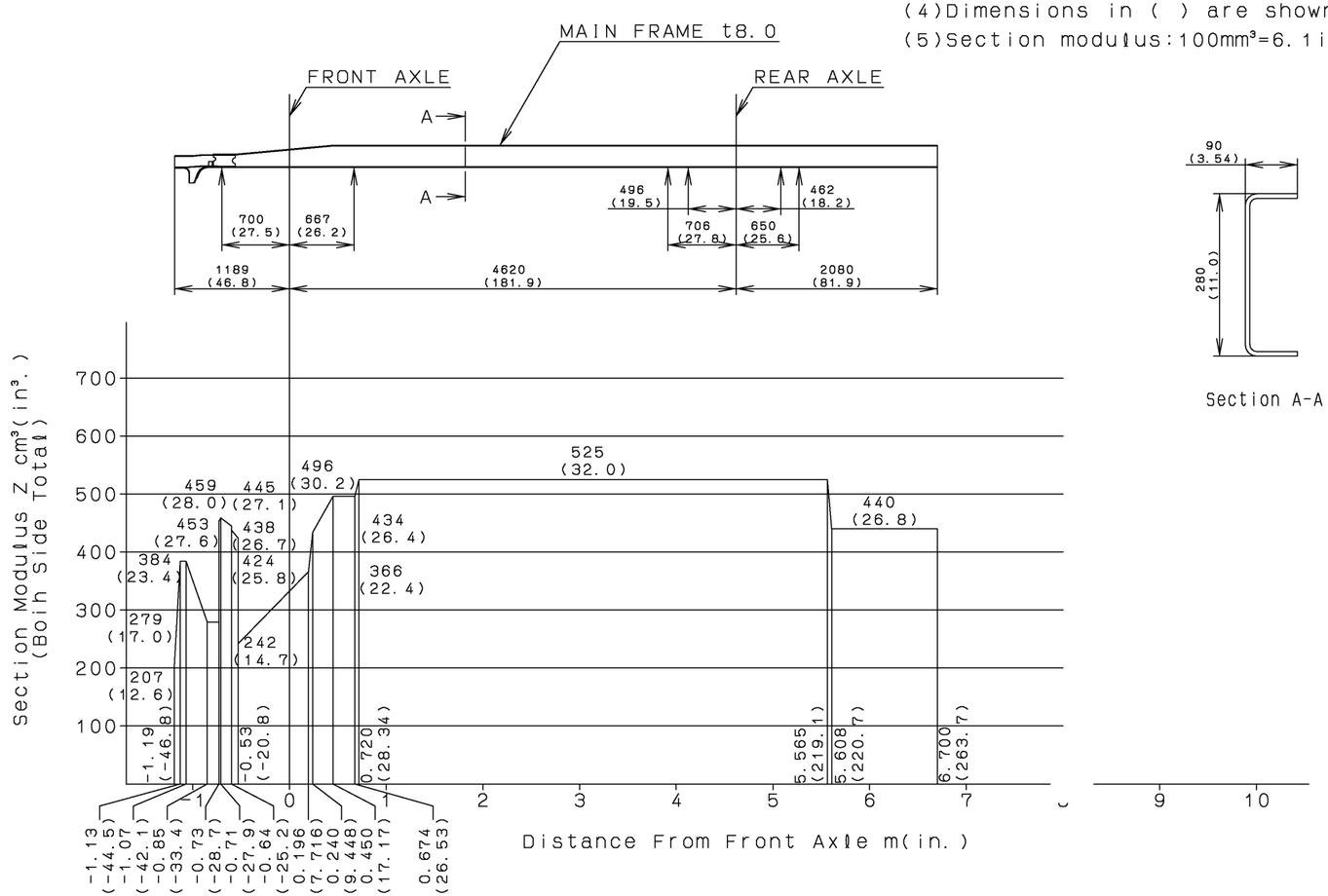
6.4 FM65F Series (1/4)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³



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FM65FJ-G
FM65FJ-H

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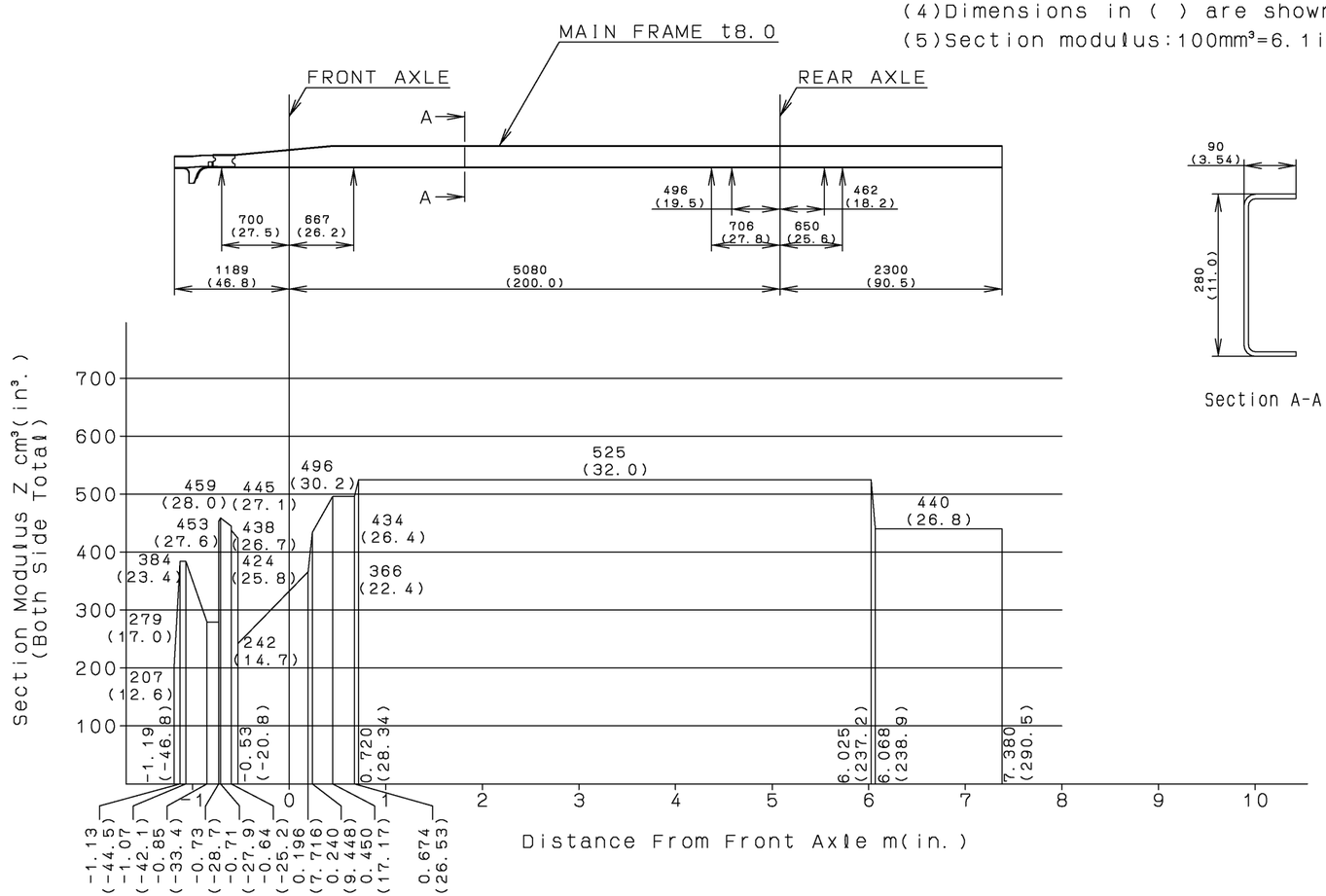
6.4 FM65F Series (2/4)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³



Section A-A

FM65FL-G
FM65FL-H

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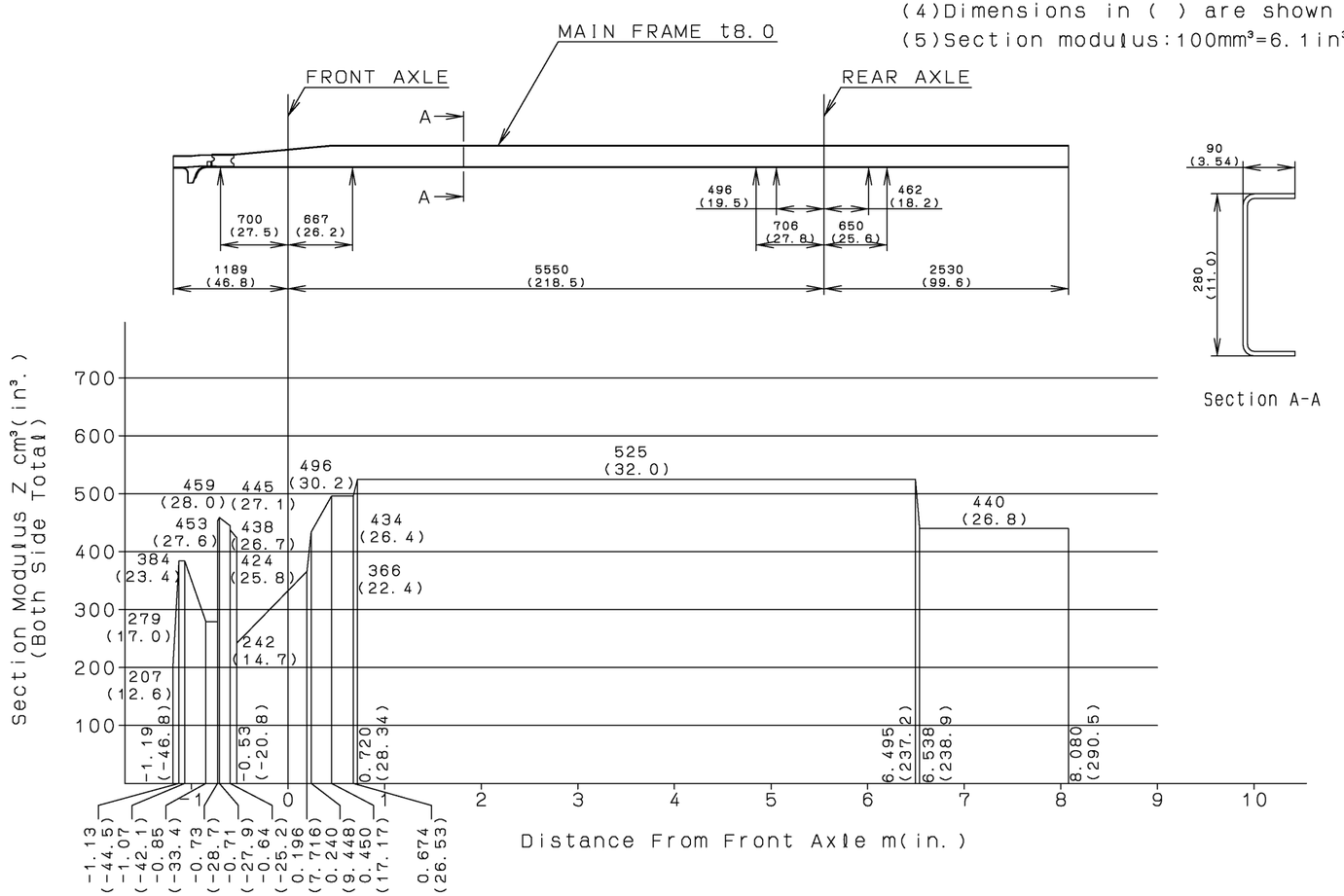
6.4 FM65F Series (3/4)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³



FM65FM-G
FM65FM-H

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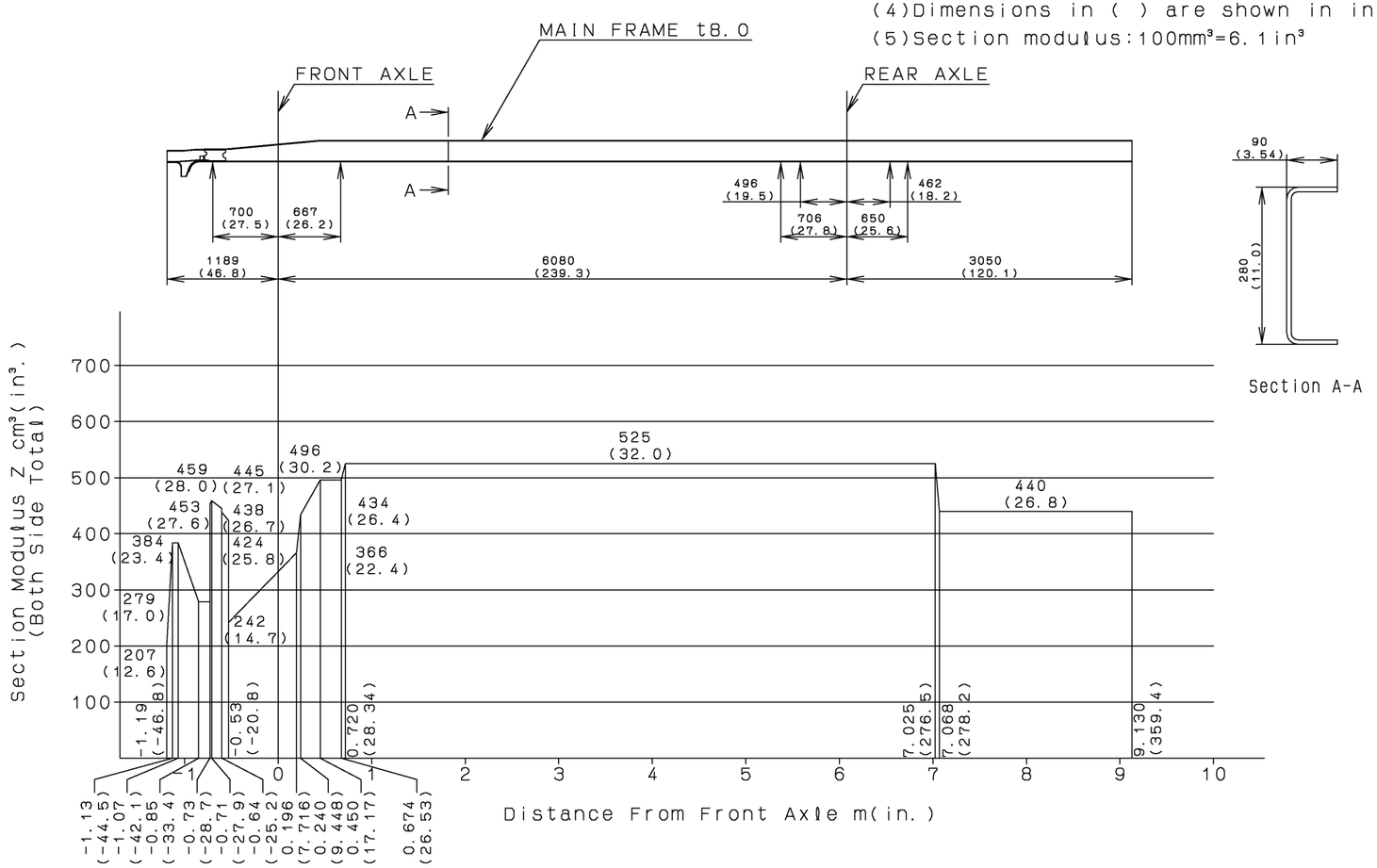
6.4 FM65F Series (4/4)

NOTES:
(1)Tensile strength:over 540MPa (78300psi)
(2)Tensile yield strength:over 390MPa (56550psi)
(3)Findicates reaction point of spring.
(4)Dimensions in ( ) are shown in inch.
(5)Section modulus:100mm³=6.1in³



FM65FP-G
FM65FP-H

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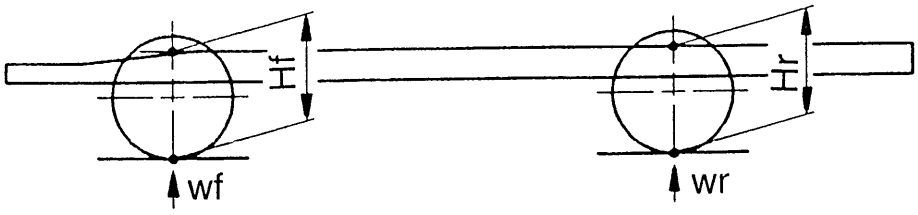
7. FORMULAS OF FRAME HEIGHT

(Ground to top of frame at front and rear axle center)



FRONT

MODEL	TIRE	Hf ± 10 (mm)	Hf ± 0.4 (in.)
FK61F	225/70R19.5	882-0.0329wf (kg)	34.7-0.000588wf (lbs.)
FK62F FK65F	10R22.5	990-0.0249wf (kg)	39.0-0.000445wf(lbs.)
FM65F	11R22.5	1066-0.0209wf (kg)	42.0-0.000374wf(lbs.)

REAR

MODEL		TIRE	Hr ± 25 (mm)	Hr ± 0.4 (in.)
FK61F		225/70R19.5	894-0.0248wr(kg) under 3,387 kg 835-0.0076wr(kg) over 3,387 kg	35.2-0.000443wr(lbs.) under 7,460 lbs. 32.9-0.000136wr(lbs.) over 7,460 lbs.
FK62F	W.B.F	10R22.5	1010-0.0232wr(kg) under 4,129 kg 936-0.0055wr(kg) over 4,129 kg	39.8-0.000415wr(lbs.) under 9,095 lbs. 36.9-0.000098wr(lbs.) over 9,095 lbs.
	EXCEPT W.B.F	10R22.5	1010-0.0232wr(kg) under 3,983 kg 942-0.0061wr(kg) over 3,983 kg	39.8-0.000415wr(lbs.) under 8,773 lbs. 37.1-0.000109wr(lbs.) over 8,773 lbs.
FK65F		10R22.5	926-0.0025wr(kg)	36.5-0.000045wr(lbs.)
FM65F		11R22.5	1096-0.0176wr(kg) under 5,561 kg 1031-0.0058wr(kg) over 5,561 kg	43.1-0.000315wr(lbs.)under 12,249 lbs. 40.6-0.000104wr(lbs.) over 12,249 lbs.

Note: Hf : Front Frame Height
Hr: Rear Frame Height
Wf : Front Axle Load
Wr : Rear Axle Load

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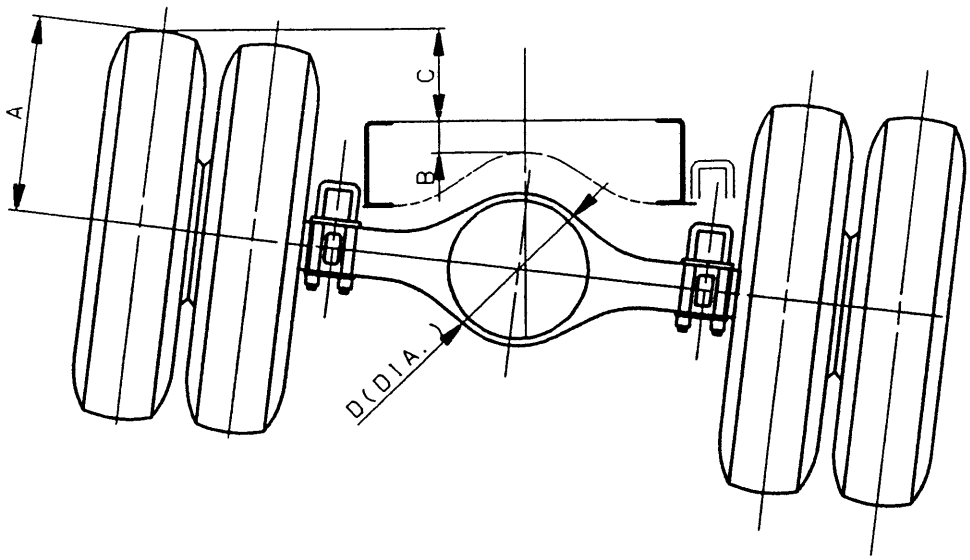
8. UPPER REBOUND LIMIT OF REAR AXLE



UNIT IN mm (in.)

MODEL		TIRE SIZE	A	B	C	D
FK61F		225/70R19.5	417 (16.42)	89 (3.50)	145 (5.71)	406 (15.98)
FK62F		10R22.5	526 (20.71)	89 (3.50)	255 (10.04)	406 (15.98)
FK65F		10R22.5	526 (20.71)	11 (0.43)	248 (9.76)	406 (15.98)
FM65F	EATON	11R22.5	544 (21.41)	144 (4.49)	220 (8.66)	515 (20.28)
	EXCEPT EATON	11R22.5	544 (21.41)	129 (5.08)	220 (8.66)	485 (19.09)

NOTE:

(1) “B” indicates the distance between the top of rear axle and the upper face of frame in extreme bump postion.

(2) “C” indicates the distance between the top of tire and the upper face of frame in extreme bump position.

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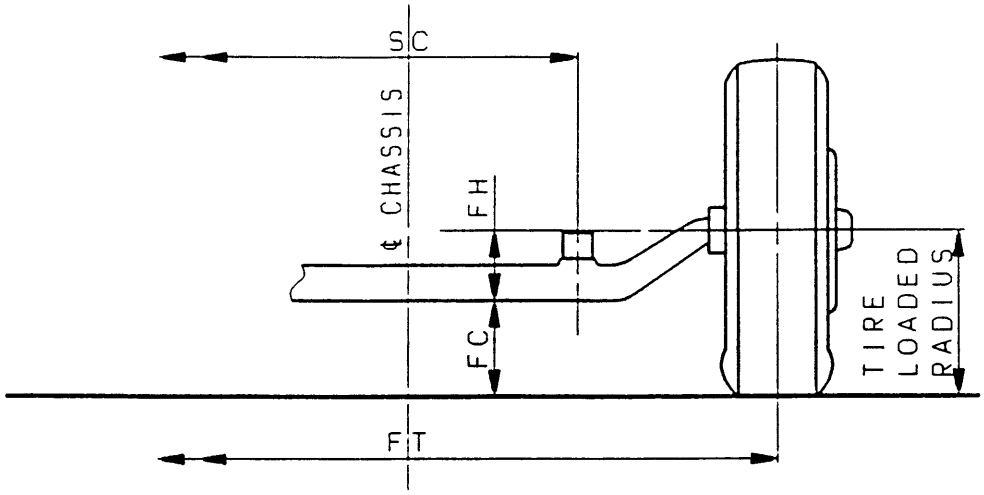
9. FRONT AXLE



FRONT AXLE INFORMATION

VEHICLE MODEL	FRONT AXLE		TIRE SIZE	FT	SC	FH
	MODEL	CAPACITY				
FK61F	F040T	3,300kg 7,270lbs	225/70R19.5 LOAD RANGE F	1,785mm 70.28in.	790mm 31.10in.	171mm 6.73in.
FK62F FK65F	F060T	4,900kg 10,800lbs	10R22.5 LOAD RANGE G	1,888mm 74.33in.	790mm 31.10in.	180mm 7.09in.
FM65F	F070T	5,400kg 11,905lbs	11R22.5 LOAD RANGE G	1,920mm 75.59in.	790mm 31.10in.	186mm 7.32in.

DIFINITIONS

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 GROUND-LINE

TIRE LOADED RADIUS: SEE TIRE CHART (PAGE II-11-1)

FORMULA FOR CALUCULATING FRONT AXLE CLEARANCE

FC=TIRE LOADED RADIUS−FH

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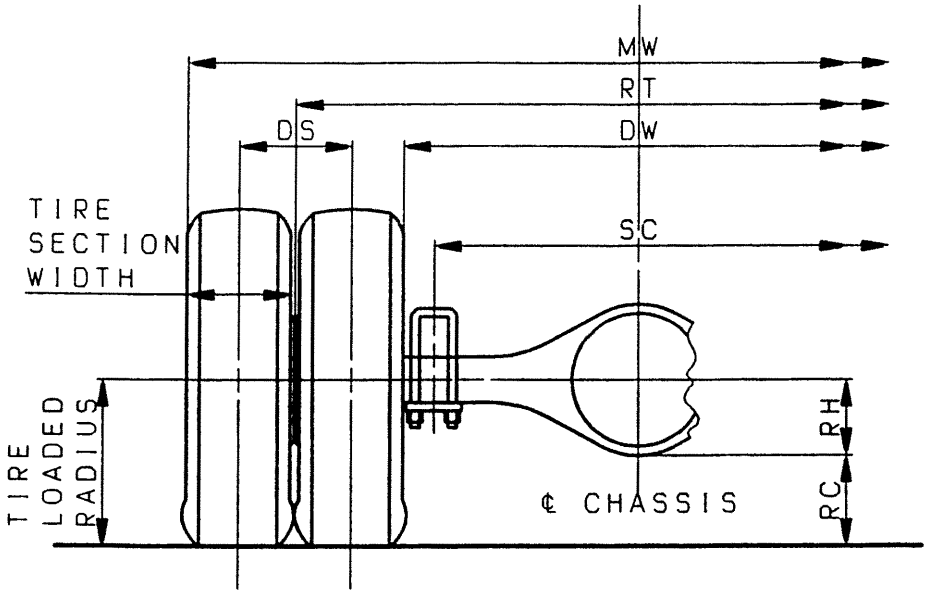
10. REAR AXLE



REAR AXLE INFORMATION

VEHICLE MODEL	REAR AXLE		TIRE SIZE	RT	SC	RH	DS
	MODEL	CAPACITY					
FK61F	R050T	7,700kg 16,975lbs.	225/70R19.5	1,670mm 65.75in.	990mm 38.98in.	203mm 7.99in.	272mm 10.71in.
FK62F	R052T	9,200kg 20,280lbs.	10R22.5	1,710mm 67.32in.	990mm 38.98in.	203mm 7.99in.	324mm 12.76in.
FK65F	R052T	9,200kg 20,280lbs.	10R22.5	1,710mm 67.32in.	988mm 38.90in.	203mm 7.99in.	324mm 12.76in.
FM65F	R060T	10,200kg 22,485lbs.	11R22.5	1,850mm 75.51in.	1,015mm 39.96in.	242.5mm 9.55in.	324mm 12.76in.
	R080T	10,800kg 23,810lbs.	11R22.5	1,850mm 75.51in.	1,015mm 39.96in.	275.5mm 10.14in.	324mm 12.76in.

DIFINITIONS

RT:REAR TREAD

SC: SPRING TO SPRING DISTANCE

RH: DISTANCE BETWEEN THE CENTER LINE OF REAR AXLE 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 TIRE CHART (PAGE II-11-1)

TIRE LOADED RADIUS: SEE TIRE CHART (PAGE II-11-1)

FORMULA FOR CALUCULATING REAR WIDTH AND HEIGHT DIMENSIONS

DW=RT–DS–TIRE SECTION WIDTH

MW=RT+DS+TIRE SECTON WIDTH

RC=TIRE LOADED RADIUS–RH

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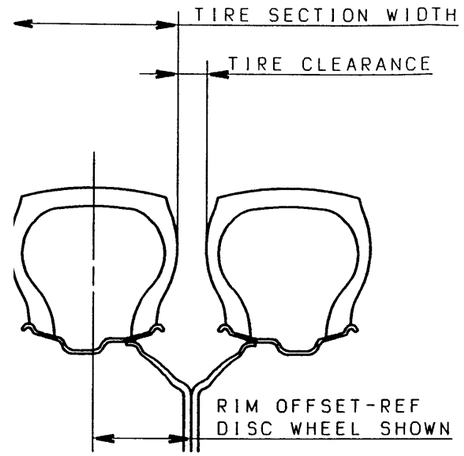
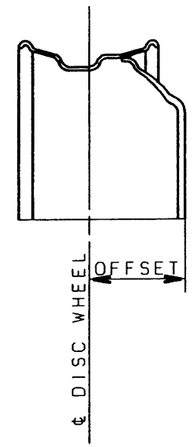
11. TIRE AND DISC WHEEL

TIRE

VEHICLE MODEL	TIRE SIZE	TIRE LOAD LIMITS				MAXIMUM GAWR LIMITS	
		SINGLE		DUAL		FRONT	REAR
		LBS.	PSI	LBS.	PSI	2 SINGLE	4 DUALS
FK61F	225/70R19.5	3,640	95	3,415	95	3,300kg 7,280lbs.	6,200kg 13,660lbs.
FK62F FK65F	10R22.5	5,675	115	5,355	115	5,150kg 11,350lbs.	9,720kg 21,420lbs.
FM65F	11R22.5	6,175	105	5,840	105	5,600kg 12,350lbs.	10,660kg 23,360lbs.

TIRE SIZE	TIRE RADIUS		TIRE SECTION WIDTH	TIRE CLEARANCE	DESIGN RIM WIDTH
	LOADES	UNLOADED			
225/70R19.5 LOAD RANGE F	379mm 14.9in.	415mm 16.3in.	237mm 9.33in.	35mm 1.37in.	6.75in.
10R22.5 LOAD RANGE G	475mm 18.7in.	526mm 20.71in.	274mm 10.79in.	50mm 1.97in.	7.50in.
11R22.5 LOAD RANGE G	489mm 19.25in.	544mm 21.41in.	294mm 11.58in.	30mm 1.18in.	7.50in.





DISC WHEEL

VEHICLE MODEL	WHEEL SIZE	BOLT HOLES	BOLT CIRCLE DIA.	INNER CIRCLE DIA.	OUTSIDE OFFSET	DISC THK	RIM TYPE
FK61F	6.75X19.5	6	222.25mm 8.75in.	164mm 6.46in.	136mm 5.35in.	12mm 0.47in.	1 pieces
FK62F,FK65F FM65F	7.50X22.5	8	285mm 11.22in.	221mm 8.70in.	162mm 6.38in.	↑	↑

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12. FRONT AND REAR SPRINGS

FRONT SPRING

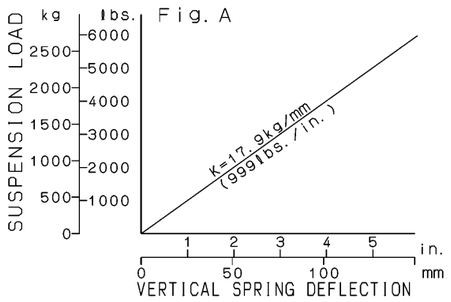
VEHICLE MODEL	DIMENSIONS Span×Width×Thickness-No. of Leaves	SPRING CONSTANT	DEFLECTION CURVE
FK61F	1,300mm × 70mm × 16mm -1 18mm -1 16mm -1 51.18in. ×2.76in. ×0.63in. -1 0.71in. -1 0.63in. -1	17.9kg/mm 999lbs./in.	Fig. A
FK62F FK65F	1,300mm × 70mm × 16mm -1 18mm -2 16mm -1 51.18in. ×2.76in. ×0.63in. -1 0.71in. -2 0.63in. -1	25.3kg/mm 1,416lbs./in.	Fig. B
FM65F	1,400mm × 80mm × 18mm -1 22mm -2 55.12in. ×3.15in. ×0.71in. -1 0.87in. -2	31.5kg/mm 1,760lbs./in.	Fig. C

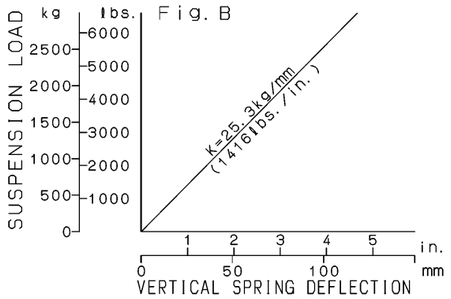
REAR SPRING

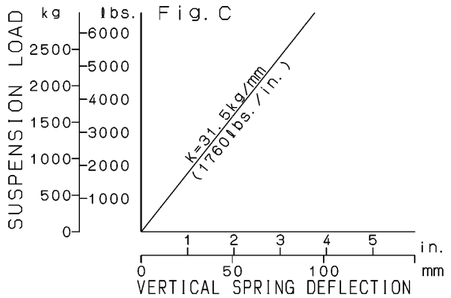
VEHICLE MODEL		LEAF SPRING DIMENSIONS Span×Width×Thickness-NO. of Leaves	AIR SPRING DIMENSIONS Effective diameter×Height	SPRING CONSTANT	DEFLECTION CURVE
FK61F		1,300mm × 70mm × 19mm - 1 21mm - 1 900mm × 70mm × 18mm - 3 51.18in. ×2.76in. ×0.75in. - 1 0.83in. - 1 35.43in. ×2.76in. ×0.71in. - 3	———	22.4/98.7kg/mm 1,255/5,521lbs./in.	Fig. D
FK62F	W. B. F	1,300mm × 70mm × 20mm - 1 21mm - 1 900mm × 70mm × 18mm - 5 51.18in. ×2.76in. ×0.79in. - 1 0.83in. - 1 35.43in. ×2.76in. ×0.71in. - 5	———	24.2/166.4kg/mm 1,356/9,311lbs./in.	Fig. E
	EXCEPT W. B. F	1,300mm × 70mm × 20mm - 1 21mm - 1 900mm × 70mm × 18mm - 4 51.18in. ×2.76in. ×0.79in. - 1 0.83in. - 1 35.43in. ×2.76in. ×0.71in. - 4	———	24.2/138.0kg/mm 1,356/7,719lbs./in.	Fig. F
FK65F		1,095mm × 80mm × 35mm - 2 43.11in. ×3.15in. ×1.38in. - 2	Ø270mm × h323mm Ø10.63in. ×h12.72in.	———	———
FM65F		1,400mm × 80mm × 20mm - 1 21mm - 2 960mm × 80mm × 19mm - 4 55.12in. ×3.15in. ×0.79in. - 1 0.83in. - 2 37.80in. ×3.15in. ×0.75in. - 4	———	33.1/151.1kg/mm 1,853/8,453lbs./in.	Fig. H

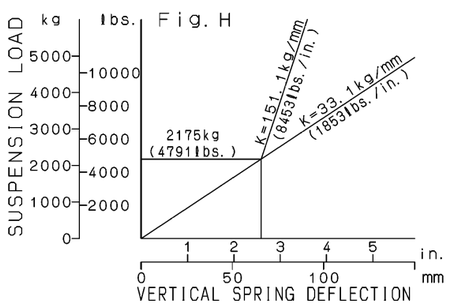
NOTE:
Spring constants in above table show the values of one unit of spring assembly.

FRONT SPRING LOAD VS. DEFLECTION

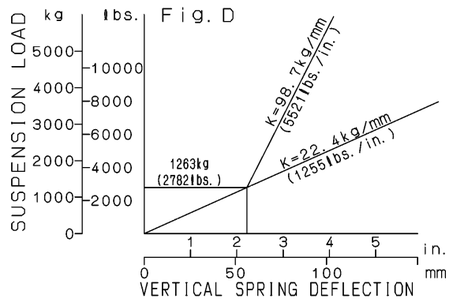


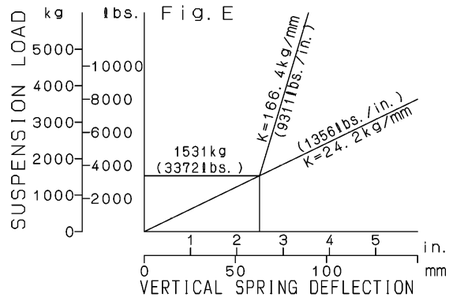


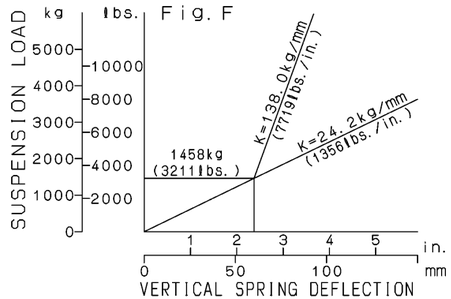




REAR SPRING LOAD VS. DEFLECTION







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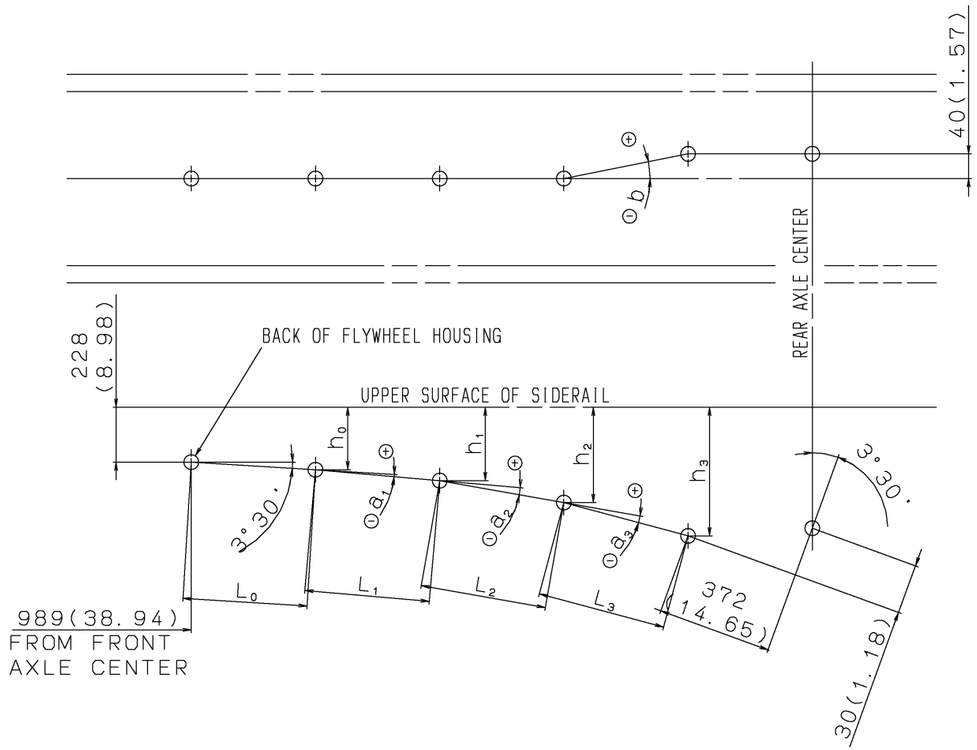
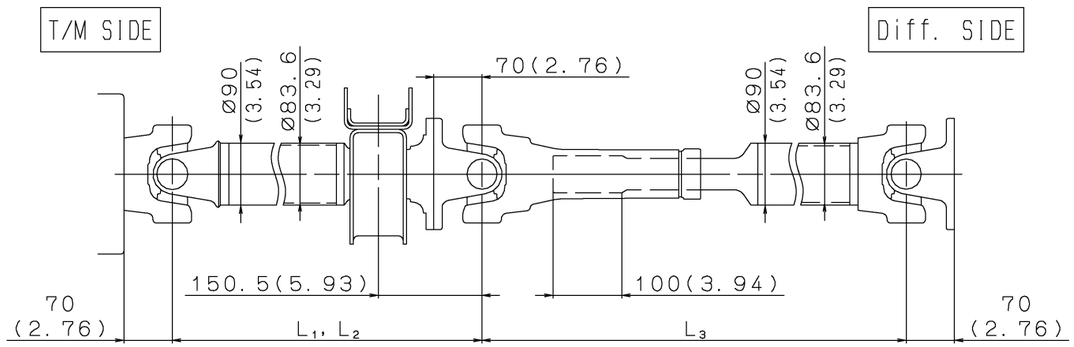
13. PROPELLER SHAFT

13.1 FK61F Series



REAR AXLE LOCATION Ⅰ:CHASSIS WITH CAB Ⅱ:UPPER REBOUND LIMIT		T/M LENGTH mm(in.)	PROPELLER SHAFT LENGTH mm(in.)			JOINT POSITION mm(in.)				JOINT ANGLE				
		L_0	L_1	L_2	L_3	h_0	h_1	h_2	h_3	a_1	a_2	a_3	a_4	b
FK61FJ-H (T/M LCT1000)	Ⅰ	830.4 (32.69)	1031 (40.59)	–	1343 (52.87)	279 (10.98)	339 (13.35)	–	457 (17.99)	0°09'	–	-1°41'	1°26'	1°43'
	Ⅱ				1350 (53.15)				301 (11.85)			4°56'	-4°57'	
FK61FK-H (T/M LCT1000)	Ⅰ	↑	1331 (52.40)	–	1343 (52.87)	↑	337 (13.27)	–	↑	1°01'	–	-2°38'	1°32'	↑
	Ⅱ				1349 (53.11)							3°59'	-4°51'	
FK61FM-H (T/M LCT1000)	Ⅰ	↑	1031 (40.59)	966 (38.03)	1342 (52.83)	↑	279 (10.98)	339 (13.35)	↑	3°29'	3°33'	-1°27'	1°25'	↑
	Ⅱ				1349 (53.11)							5°11'	-4°59'	



UNIT:mm(in.)

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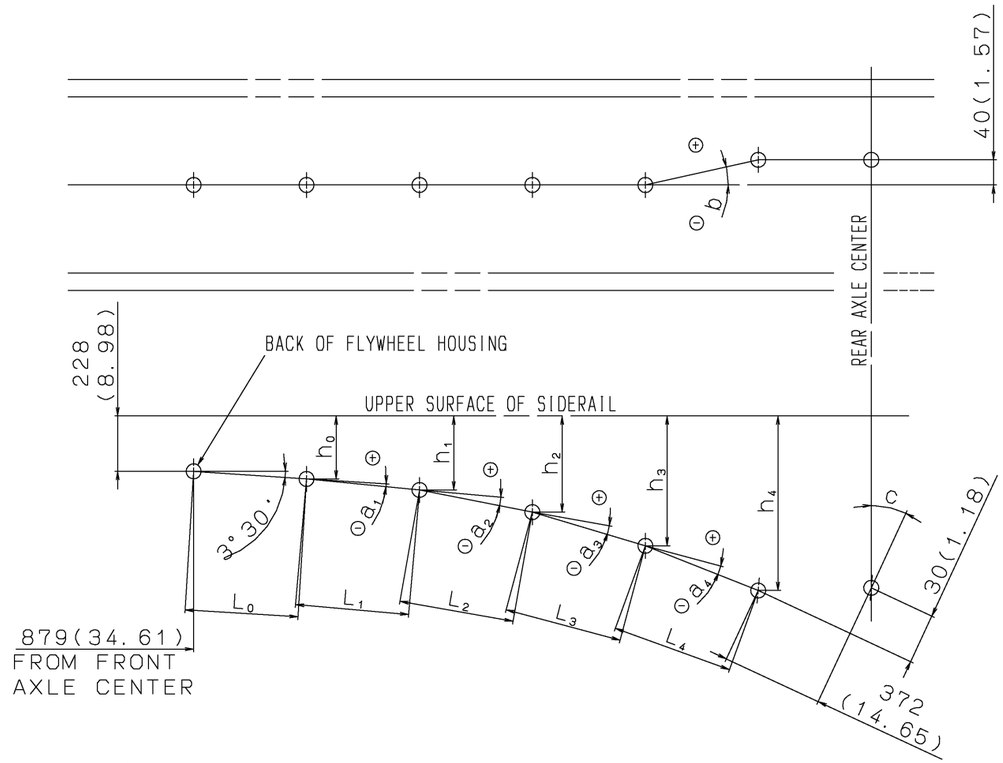
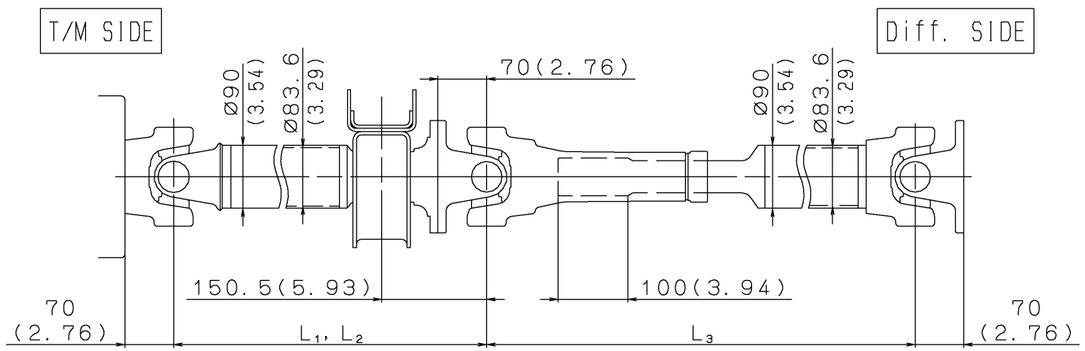
13.2 FK62F & FK65F Series



	C
FK62F	3°30'
FK65F	3°



REAR AXLE LOCATION Ⅰ:CHASSIS WITH CAB Ⅱ:UPPER REBOUND LIMIT		T/M LENGTH mm(in.)	PROPELLER SHAFT LENGTH mm(in.)				JOINT POSITION mm(in.)					JOINT ANGLE					
		L_0	L_1	L_2	L_3	L_4	h_0	h_1	h_2	h_3	h_4	a_1	a_2	a_3	a_4	a_5	b
FK62FF-G (T/M M060S6)	Ⅰ	790.5 (31.12)	596 (23.46)	–	–	1063 (41.85)	277 (10.91)	311 (12.24)	–	–	453 (17.83)	0°12'	–	–	-4°25'	4°05'	2°11'
	Ⅱ					1058 (41.65)					302 (11.89)				3°48'	-3°53'	
FK62FJ-G (T/M M060S6)	Ⅰ	↑	1066 (41.97)	–	–	1349 (53.11)	↑	339 (13.35)	–	–	↑	0°09'	–	–	-1°31'	1°15'	1°42'
	Ⅱ					↑									4°56'	-4°58'	
FK62FL-G (T/M M060S6)	Ⅰ	↑	↑	641 (25.24)	–	1347 (53.03)	↑	300 (11.81)	339 (13.35)	–	↑	2°13'	-2°13'	–	-1°22'	1°14'	↑
	Ⅱ					↑									5°05'	-4°59'	
FK62FM-G (T/M M060S6)	Ⅰ	↑	1071 (42.17)	966 (38.03)	–	1348 (53.07)	↑	279 (10.98)	340 (13.39)	–	↑	3°21'	-3°25'	–	-1°16'	1°13'	↑
	Ⅱ					↑									5°11'	-4°59'	
FK62FS-G (T/M M060S6)	Ⅰ	↑	1066 (41.97)	976 (38.43)	1016 (40.00)	1347 (53.03)	↑	319 (12.56)	293 (11.54)	337 (13.27)	↑	1°13'	3°50'	-4°01'	-2°30'	1°21'	↑
	Ⅱ					↑									3°57'	-4°52'	
FK62FJ-H (T/M LCT2200)	Ⅰ	830.4 (32.69)	1031 (40.59)	–	–	1349 (53.11)	279 (10.98)	339 (13.35)	–	–	453 (17.83)	0°09'	–	–	-1°31'	1°15'	1°42'
	Ⅱ					↑					302 (11.89)				4°56'	-4°58'	
FK62FL-H (T/M LCT2200)	Ⅰ	↑	↑	641 (25.24)	–	1347 (53.03)	↑	300 (11.81)	339 (13.35)	–	↑	2°19'	-2°21'	–	-1°22'	1°14'	↑
	Ⅱ					↑									5°05'	-4°59'	
FK62FM-H (T/M LCT2200)	Ⅰ	↑	↑	966 (38.03)	–	1348 (53.07)	↑	279 (10.98)	340 (13.39)	–	↑	3°30'	-3°34'	–	-1°16'	1°13'	↑
	Ⅱ					↑									5°11'	-4°59'	
FK62FS-H (T/M LCT2200)	Ⅰ	↑	↑	976 (38.43)	1016 (40.00)	1347 (53.03)	↑	319 (12.56)	293 (11.54)	337 (13.27)	↑	1°16'	3°47'	-4°01'	-2°30'	1°21'	↑
	Ⅱ					↑									3°57'	-4°52'	
FK65FM-G (T/M M060S6)	Ⅰ	790.5 (31.12)	1071 (42.17)	966 (38.03)	–	1356 (53.39)	277 (10.91)	279 (10.98)	340 (13.39)	–	438 (17.24)	3°21'	-3°25'	–	-0°37'	1°09'	1°42'
	Ⅱ					1361 (53.58)					401 (15.79)				0°58'	3°34'	
FK65FS-G (T/M M060S6)	Ⅰ	↑	1066 (41.97)	976 (38.43)	1016 (40.00)	1350 (53.15)	↑	319 (12.56)	293 (11.54)	337 (13.27)	↑	1°13'	3°50'	-4°01'	-1°51'	1°16'	↑
	Ⅱ					1356 (53.39)									-0°16'	3°41'	
FK65FM-H (T/M LCT2200)	Ⅰ	830.4 (32.69)	1031 (40.59)	966 (38.03)	–	1356 (53.39)	279 (10.98)	279 (10.98)	340 (13.39)	–	438 (17.24)	3°30	-3°35'	–	-0°37'	1°09'	1°42'
	Ⅱ					1361 (53.58)					401 (15.79)				0°58'	3°34'	
FK65FS-H (T/M LCT2200)	Ⅰ	↑	↑	976 (38.43)	1016 (40.00)	1350 (53.15)	↑	319 (12.56)	293 (11.54)	337 (13.27)	↑	1°16'	3°47'	-4°01'	-1°51'	1°16'	↑
	Ⅱ					1356 (53.39)									-0°16'	3°41'	

UNIT:mm(in.)

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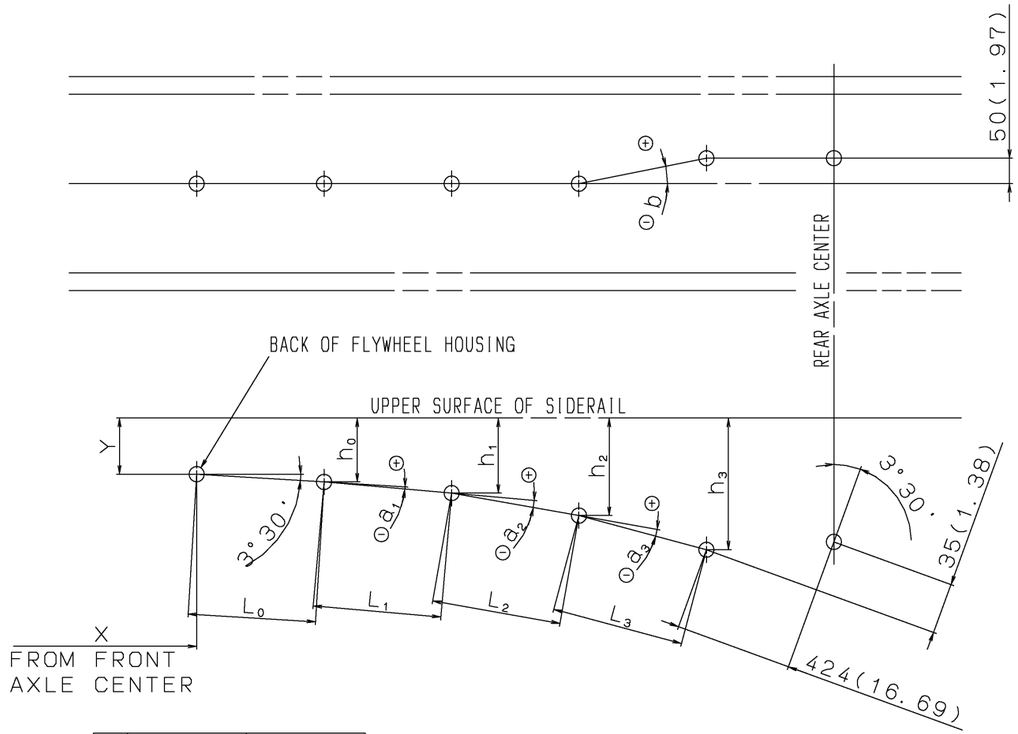
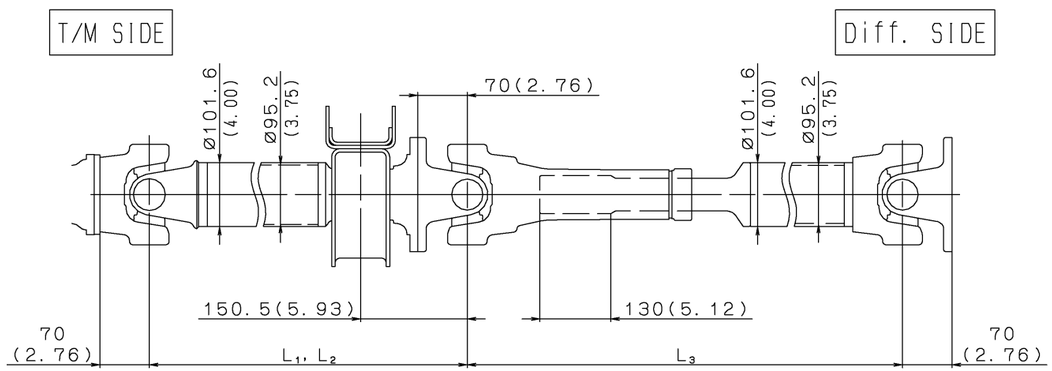
13.3 FM65F Series



	FM65F-G	FM65F-H
X	879 (34.61)	887 (34.92)
Y	229 (9.02)	230 (9.06)

REAR AXLE LOCATION Ⅰ:CHASSIS WITH CAB Ⅱ:UPPER REBOUND LIMIT		T/M LENGTH mm(in.)	PROPELLER SHAFT LENGTH mm(in.)			JOINT POSITION mm(in.)				JOINT ANGLE				
		L_0	L_1	L_2	L_3	h_0	h_1	h_2	h_3	a_1	a_2	a_3	a_4	b
FM65FJ-G (T/M M070S6)	Ⅰ	855.5 (33.68)	1086 (42.76)	–	1387 (54.61)	281 (11.06)	353 (13.90)	–	544 (21.42)	-0°18'	–	-4°08'	4°10'	2°05'
	Ⅱ				1376 (54.17)				364 (14.33)			3°20'	-3°06'	
FM65FL-G (T/M M070S6)	Ⅰ	↑	746 (29.37)	801 (31.54)	1383 (54.45)	↑	338 (13.31)	392 (15.43)	↑	-0°50'	0°27'	-2°27'	2°35'	↑
	Ⅱ				1377 (54.21)							5°02'	-4°43'	
FM65FM-G (T/M M070S6)	Ⅰ	↑	1086 (42.76)	1161 (45.71)	1151 (45.31)	↑	353 (13.90)	424 (16.69)	↑	-0°18'	0°17'	-2°28'	2°14'	2°30'
	Ⅱ				1149 (45.24)							6°31'	-6°34'	
FM65FP-G (T/M M070S6)	Ⅰ	↑	↑	1461 (57.52)	1381 (54.37)	↑	311 (12.24)	390 (15.35)	↑	1°57'	-1°34'	-3°19'	2°40'	2°05'
	Ⅱ				1375 (54.13)							4°11'	-4°38'	
FM65FJ-H (T/M MD3000)	Ⅰ	956.1 (37.64)	976 (38.43)	–	1389 (54.69)	288 (11.34)	353 (13.90)	–	544 (21.42)	-0°20'	–	-4°05'	4°10'	2°05'
	Ⅱ				1378 (54.25)				364 (14.33)			3°23'	-3°06'	
FM65FL-H (T/M MD3000)	Ⅰ	↑	636 (25.04)	801 (31.54)	1385 (54.53)	↑	338 (13.31)	392 (15.43)	↑	-1°01'	0°41'	-2°30'	2°35'	↑
	Ⅱ				1379 (54.29)							4°59'	-4°42'	
FM65FM-H (T/M MD3000)	Ⅰ	↑	976 (38.43)	1161 (45.71)	1153 (45.39)	↑	353 (13.90)	424 (16.69)	↑	-0°20'	0°19'	-2°28'	2°14'	2°30'
	Ⅱ				1150 (45.28)							6°30'	-6°33'	
FM65FP-H (T/M MD3000)	Ⅰ	↑	↑	1461 (57.52)	1383 (54.45)	↑	311 (12.24)	390 (15.35)	↑	2°13'	-1°51'	-3°17'	2°40'	2°05'
	Ⅱ				1377 (54.21)							4°13'	-4°37'	



UNIT:mm(in.)

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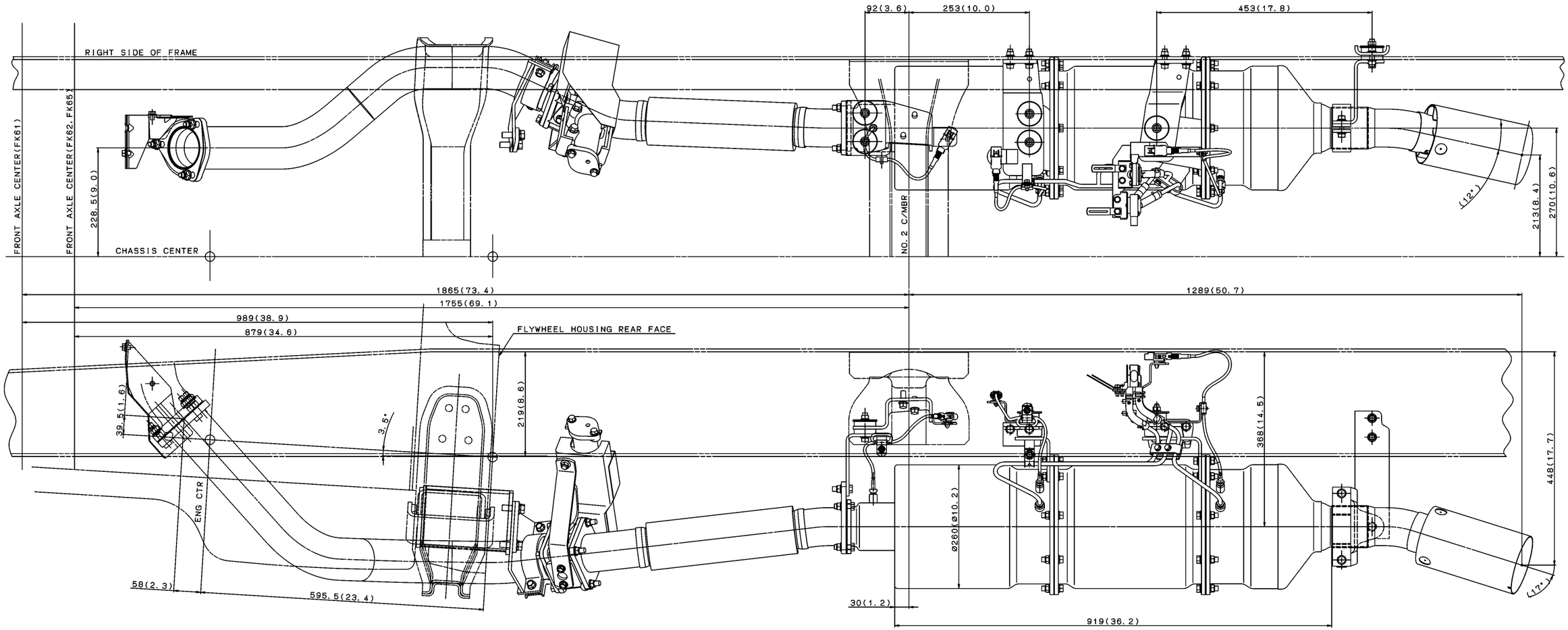
14. EXHAUST SYSTEM

14.1 FK6□FJ, FK, FL, FM, FS Series



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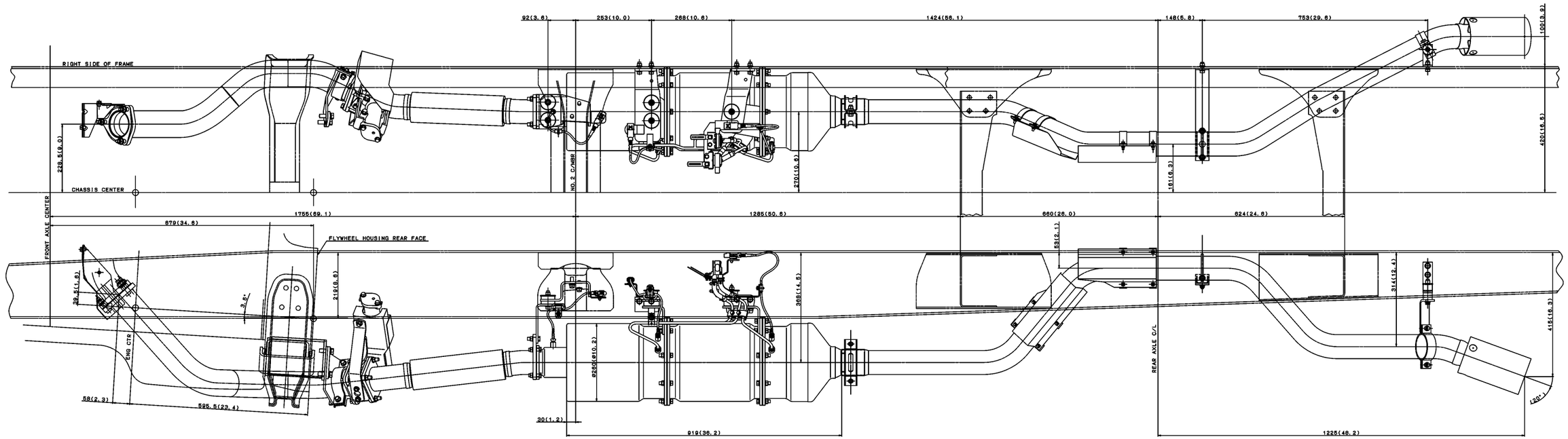
14.2 FK62FF Series



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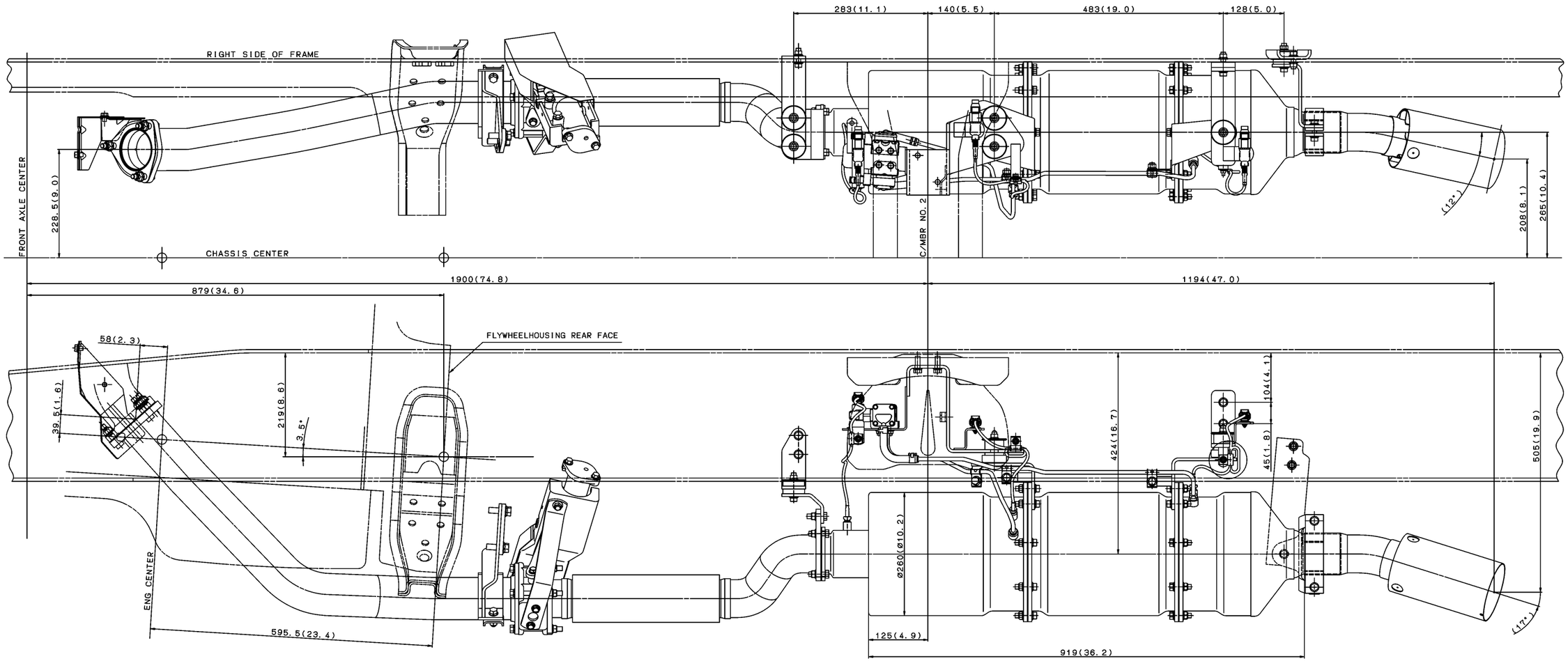
14.3 FM65F Series



UNIT:mm (in.)

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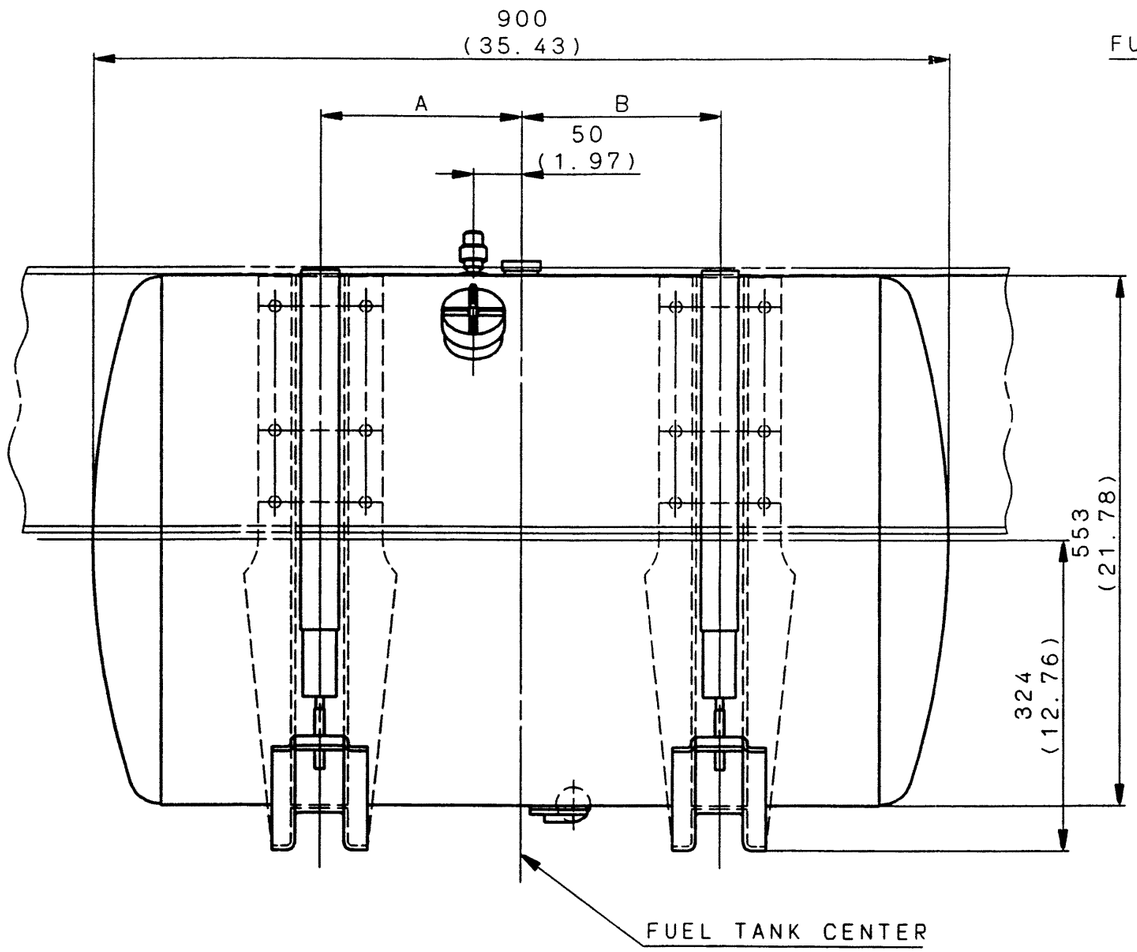
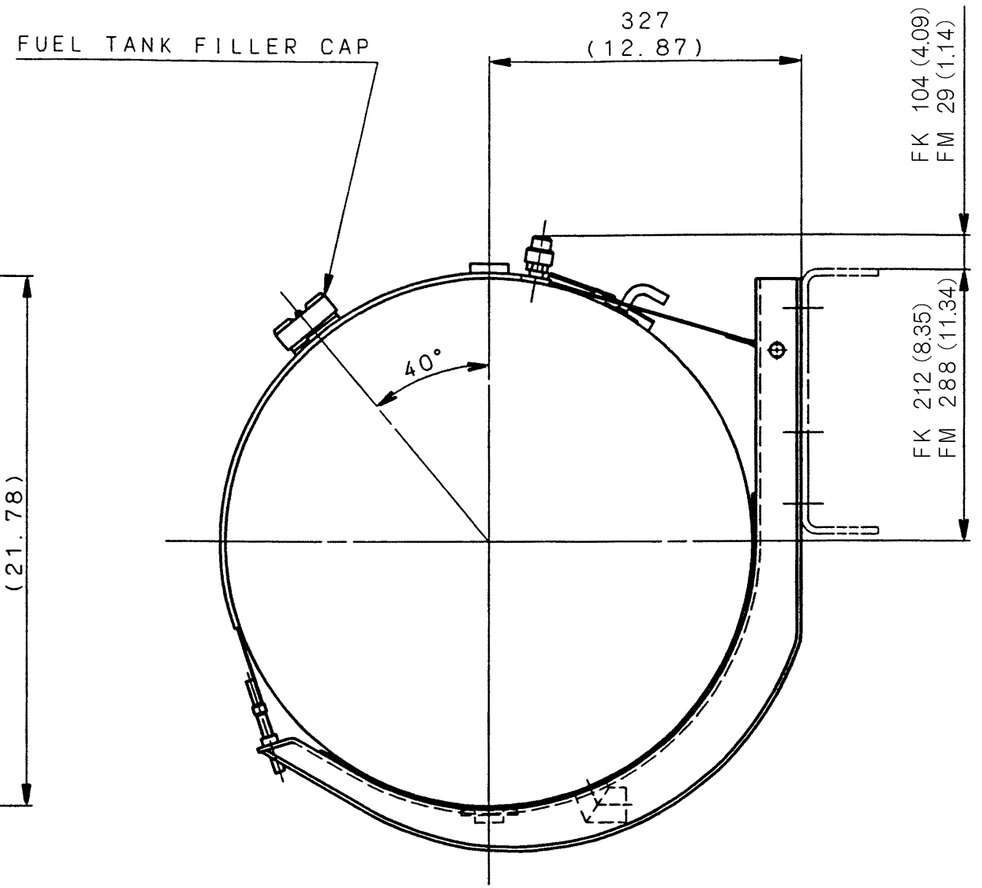
15. FUEL TANK





MAIN TANK

MODEL	A	B
FK	205 (8.07)	215 (8.46)
FM	254 (10.0)	215 (8.46)

SPARE TANK

MODEL	A	B
FK61FK	250 (9.84)	215 (8.46)
FK62FL	205 (8.07)	215 (8.46)
FK6□FM FK6□FS	210 (8.27)	215 (8.46)
FM65F□-G	254 (10.0)	215 (8.46)
FM65FL-H	215 (8.46)	215 (8.46)
FM65FM-H FM65FP-H	254 (10.0)	215 (8.46)

UNIT:mm (in.)

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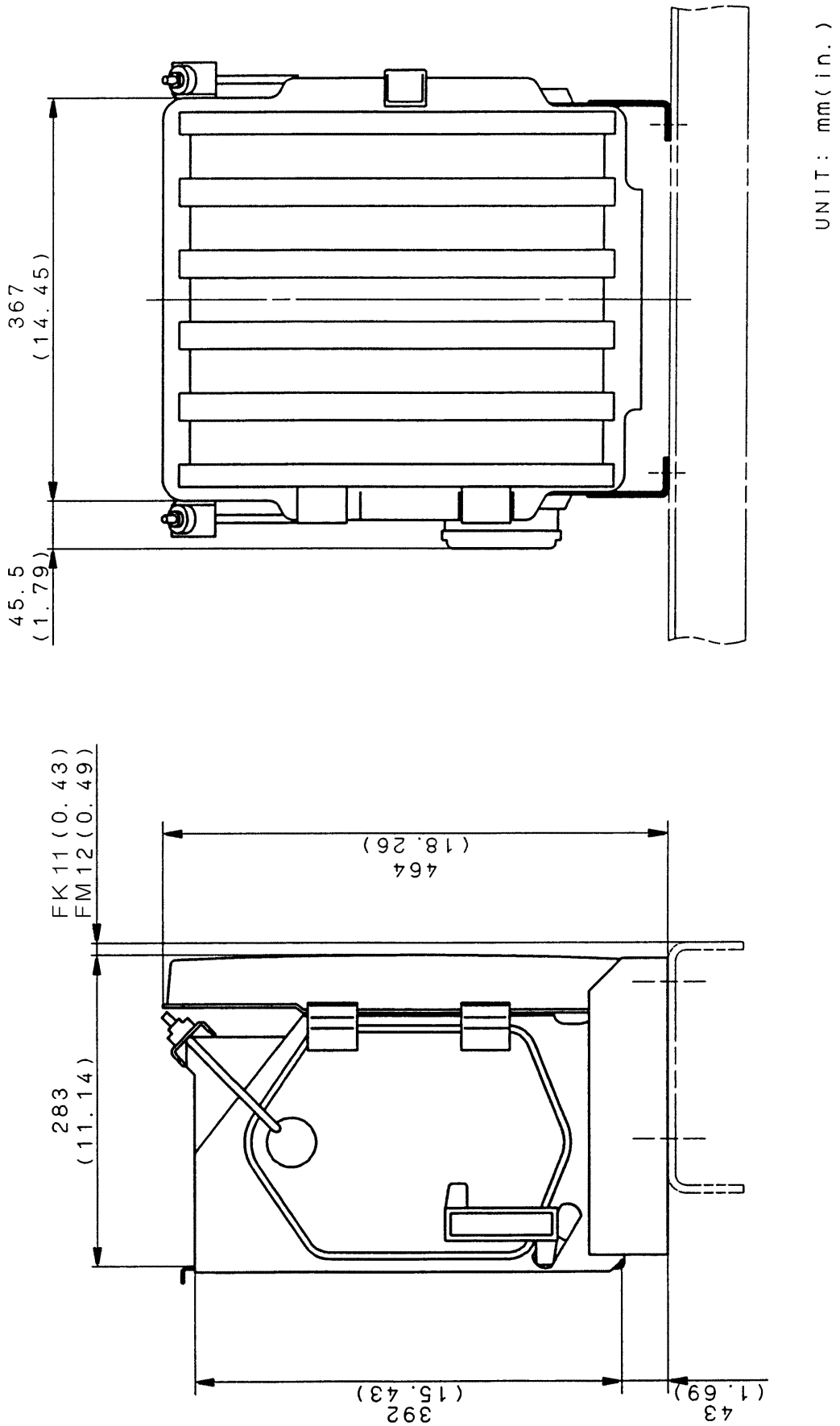
16. BATTERY BOX



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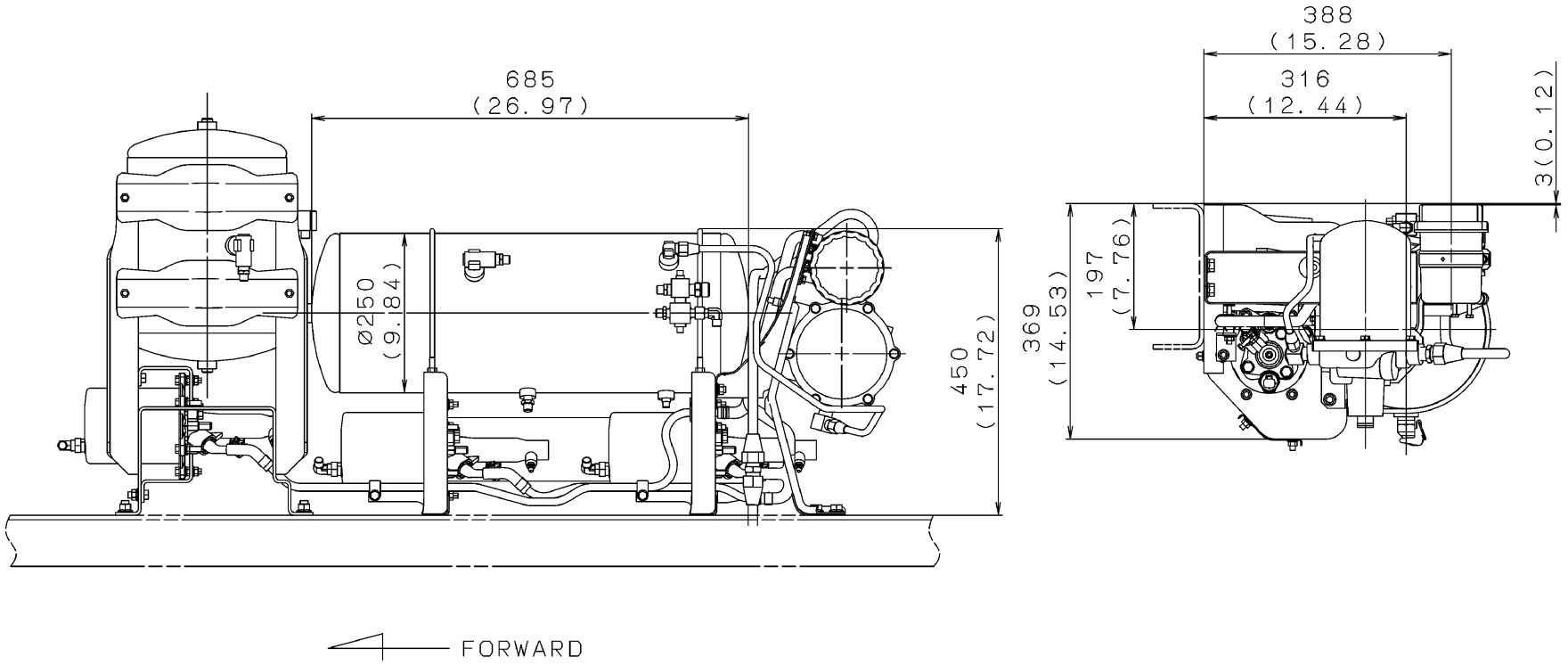
17. AIR SERVO ASSISTANCE & AIR TANK

17.1 FK61F Series



UNIT:mm(in.)

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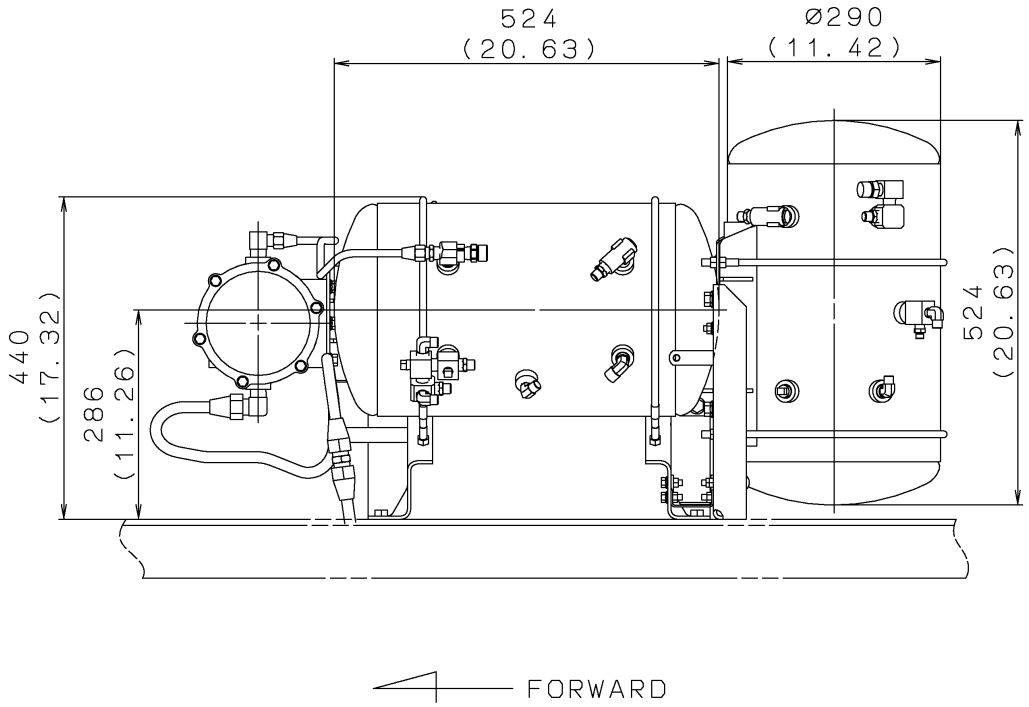
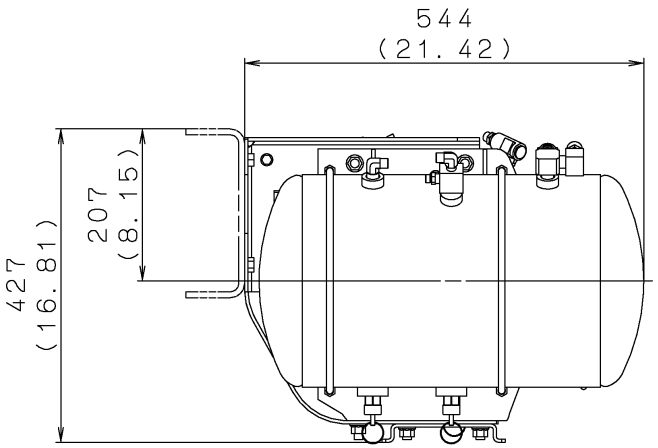
17.2 FK62F, FK65F Series





UNIT:mm(in.)

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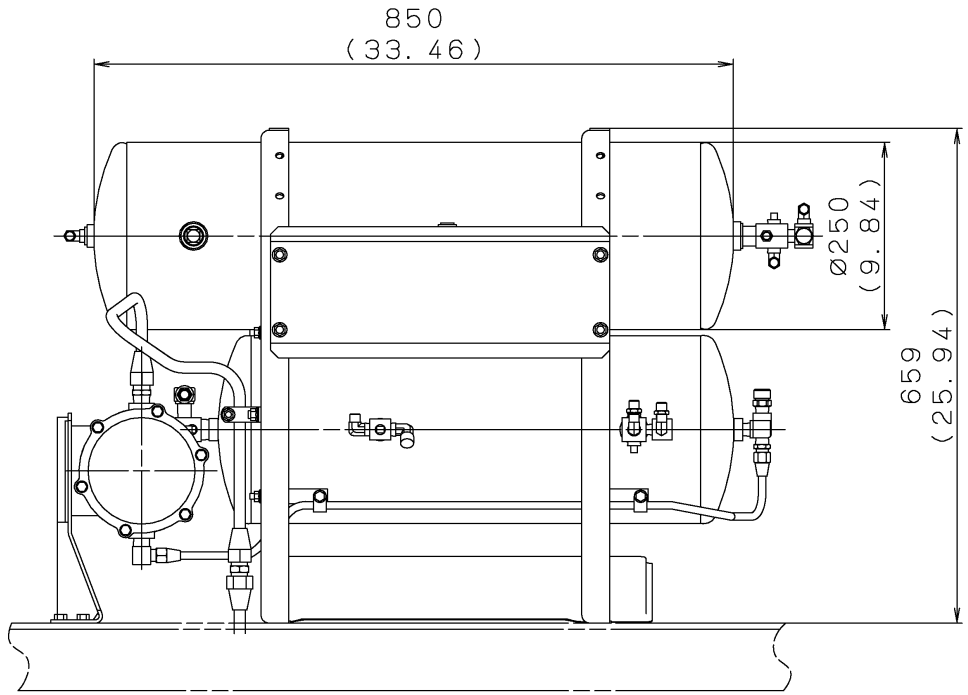
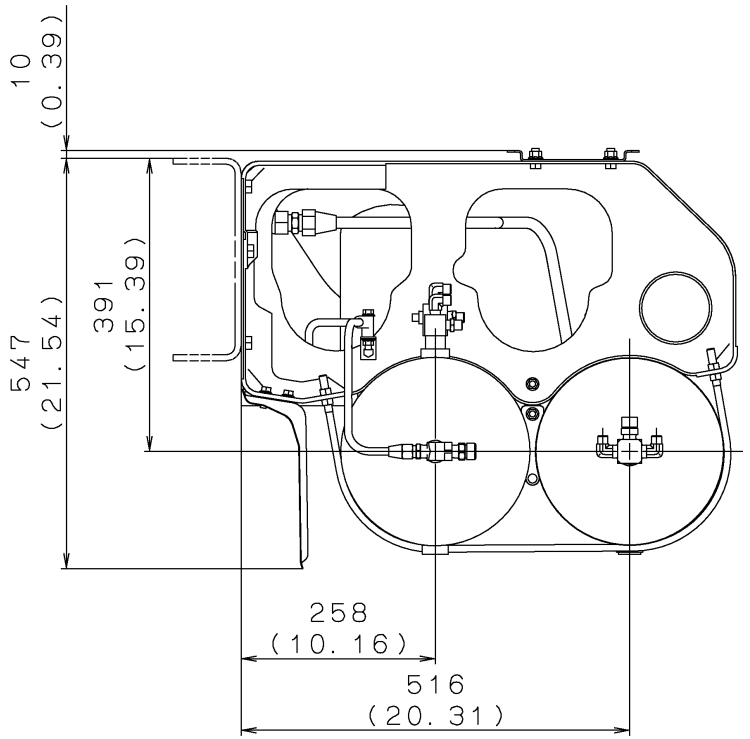
17.3 FM65F Series





UNIT:mm(in.)

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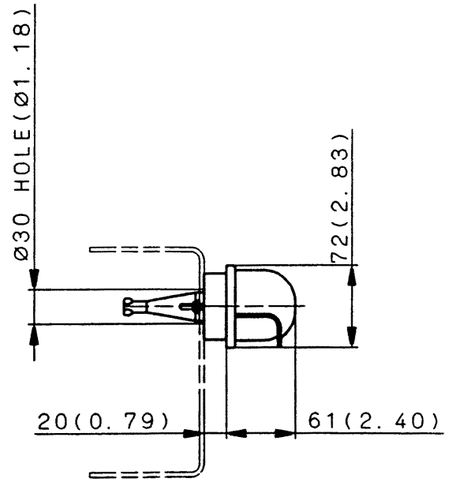
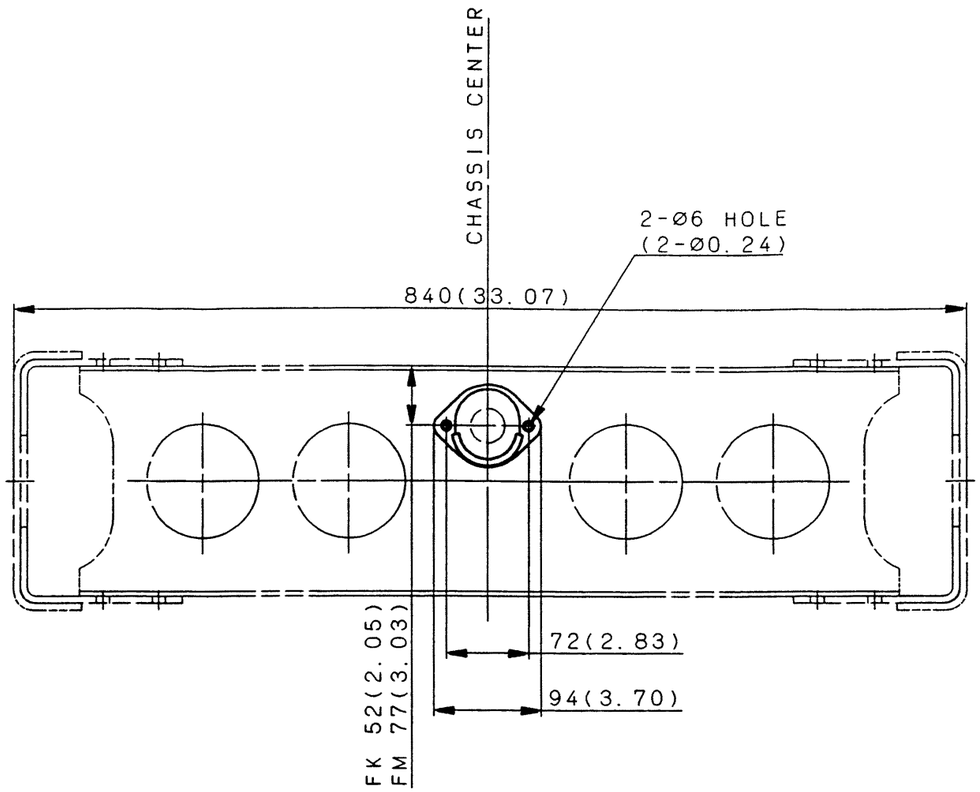
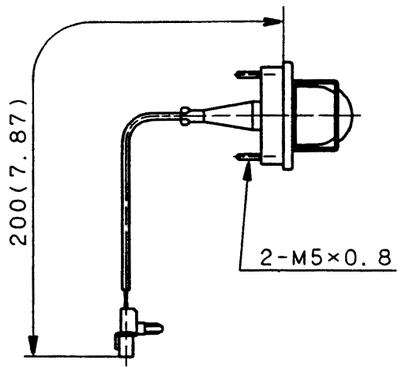
18. LICENCE PLATE LAMP







LICENCE PLATE LAMP

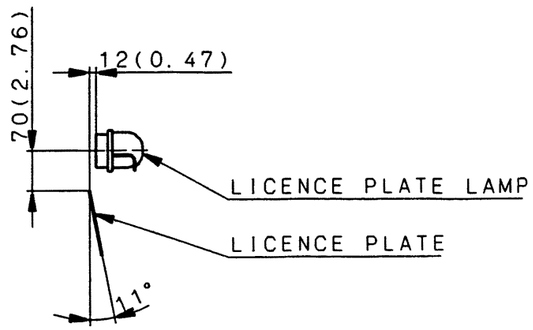


Fig. A

NOTE:

(1) Recommended dimensions to install the license plate are shown in Fig. A.

(2) Illustartion of lamp position are for reference only.

UNIT: mm(in.)

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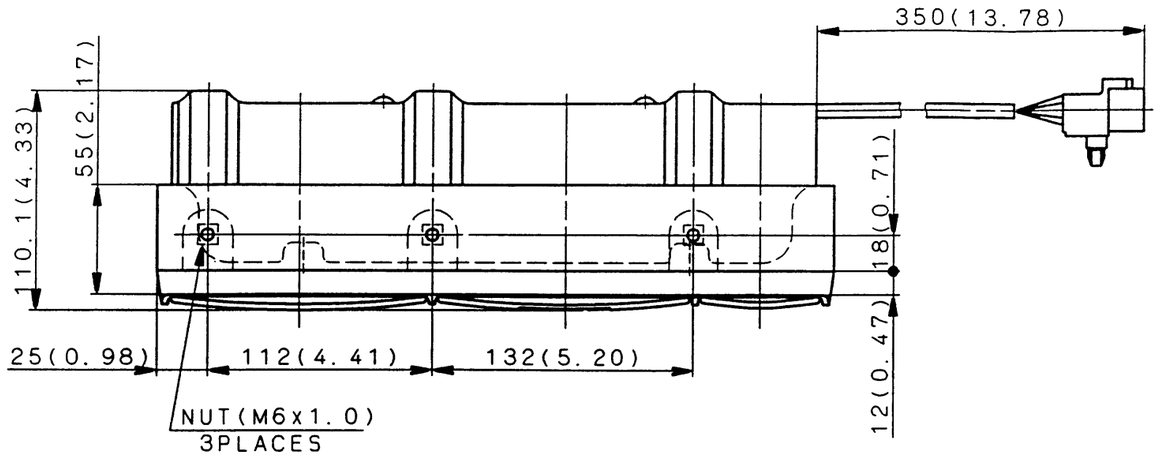
19. REAR COMBINATION LAMP



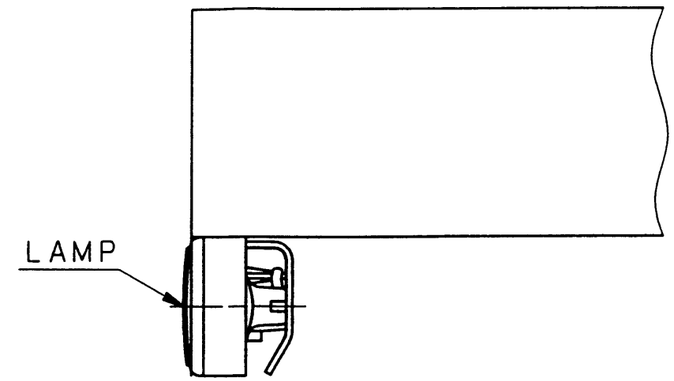
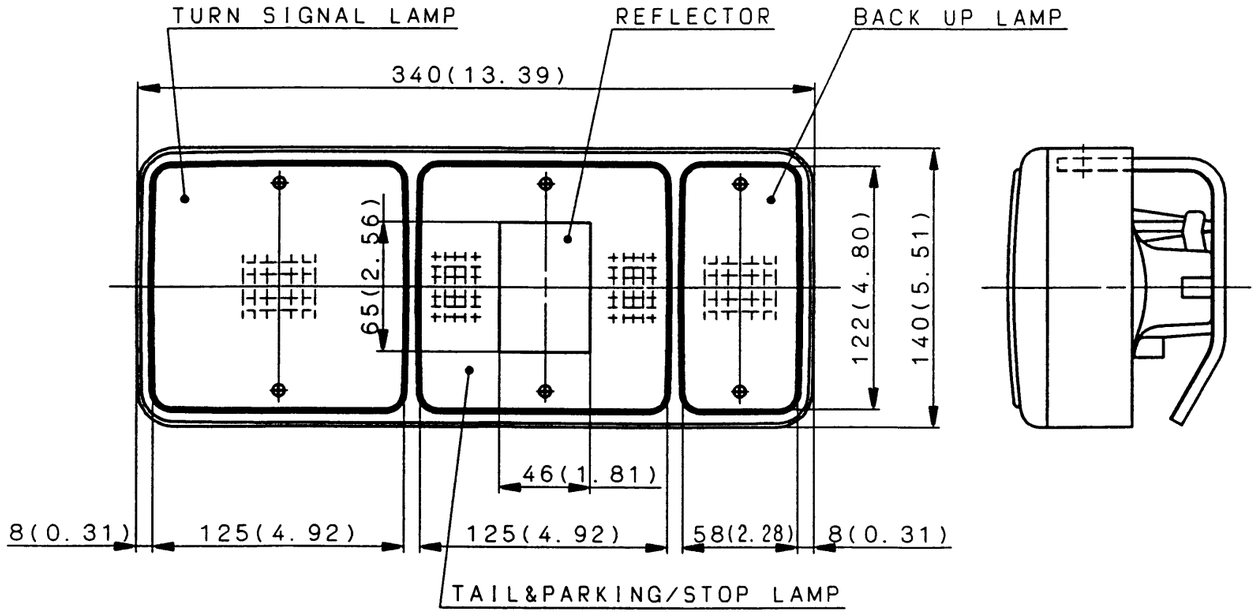


Fig. A



NOTE:

(1) This drawing shows the one for left side.
Lamp for right side is symmetrical.

(2) Use upper holes to install this lamp assy to bodies.

UNIT: mm(in.)

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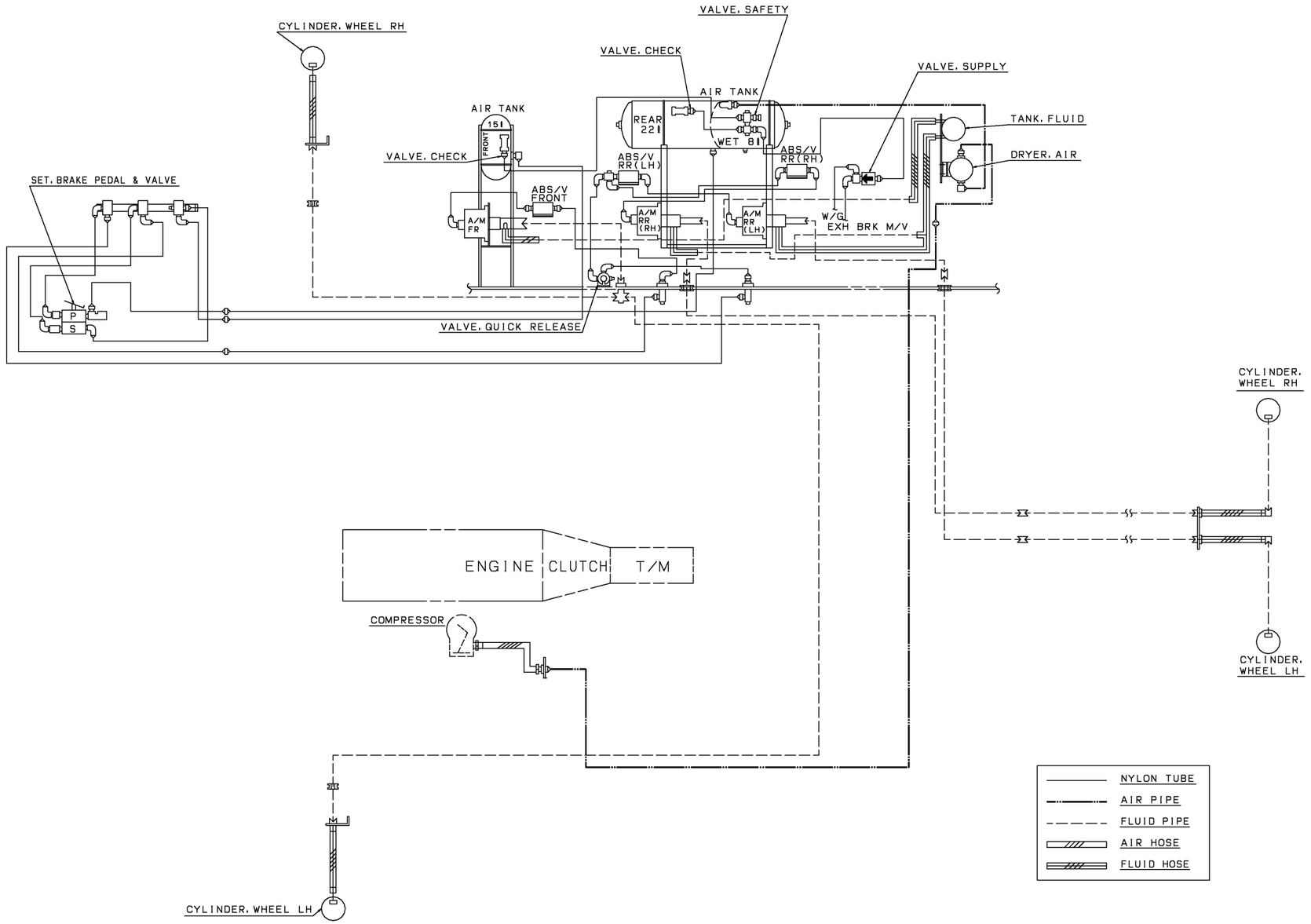
20. BRAKE PIPING DIAGRAM

20.1 FK61F Series



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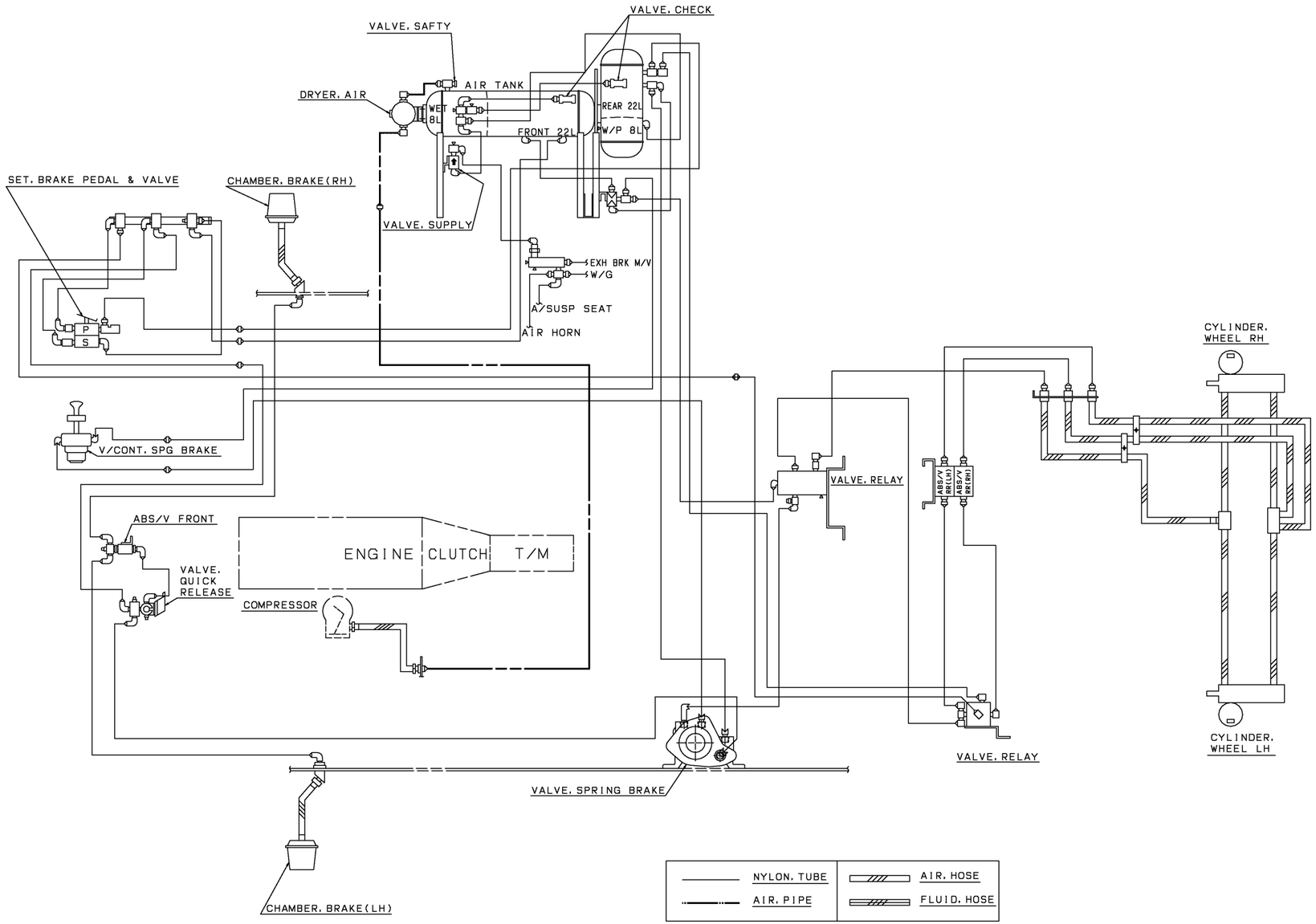
20.2 FK62F, FK65F Series



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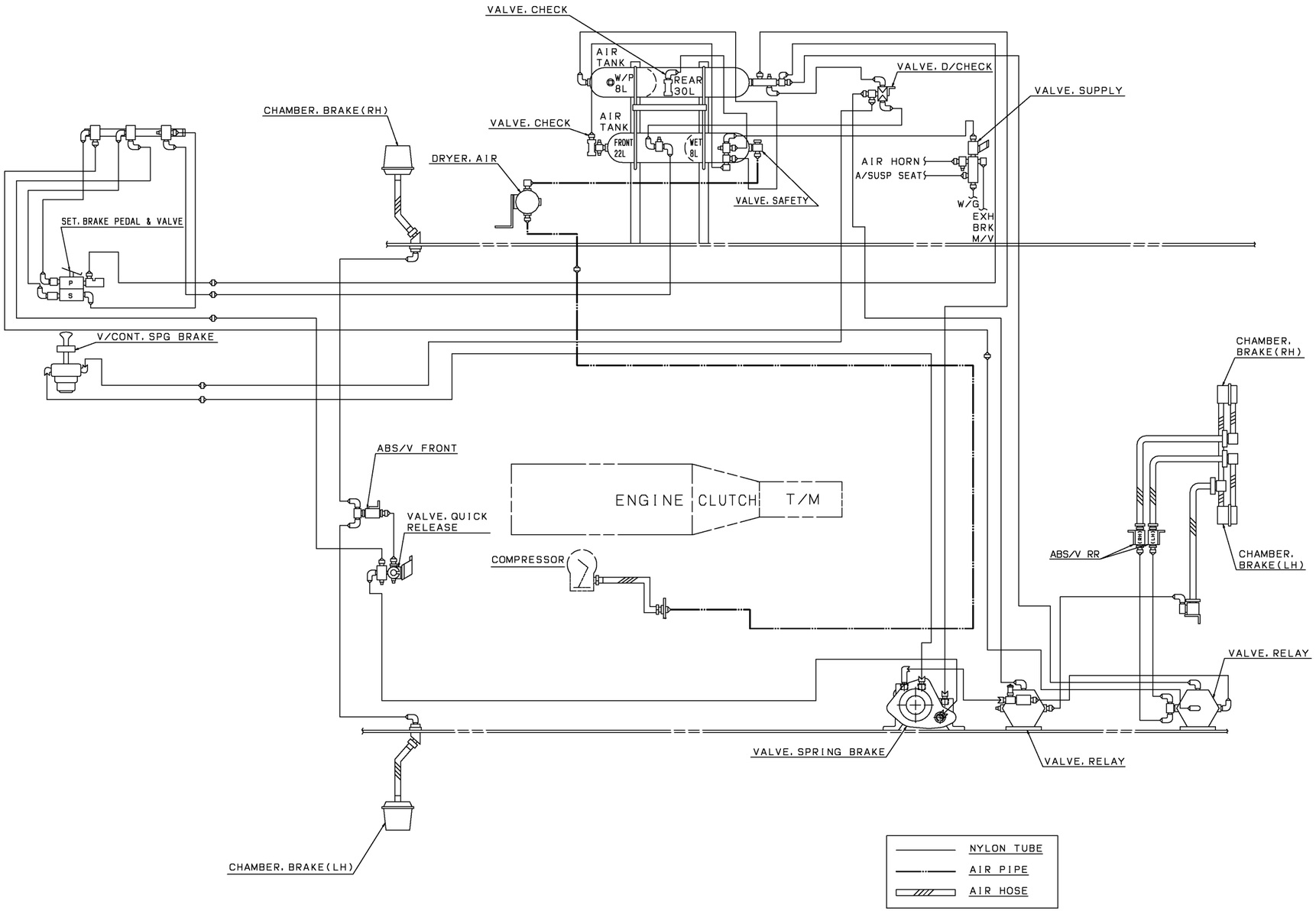
20.3 FM65F Series



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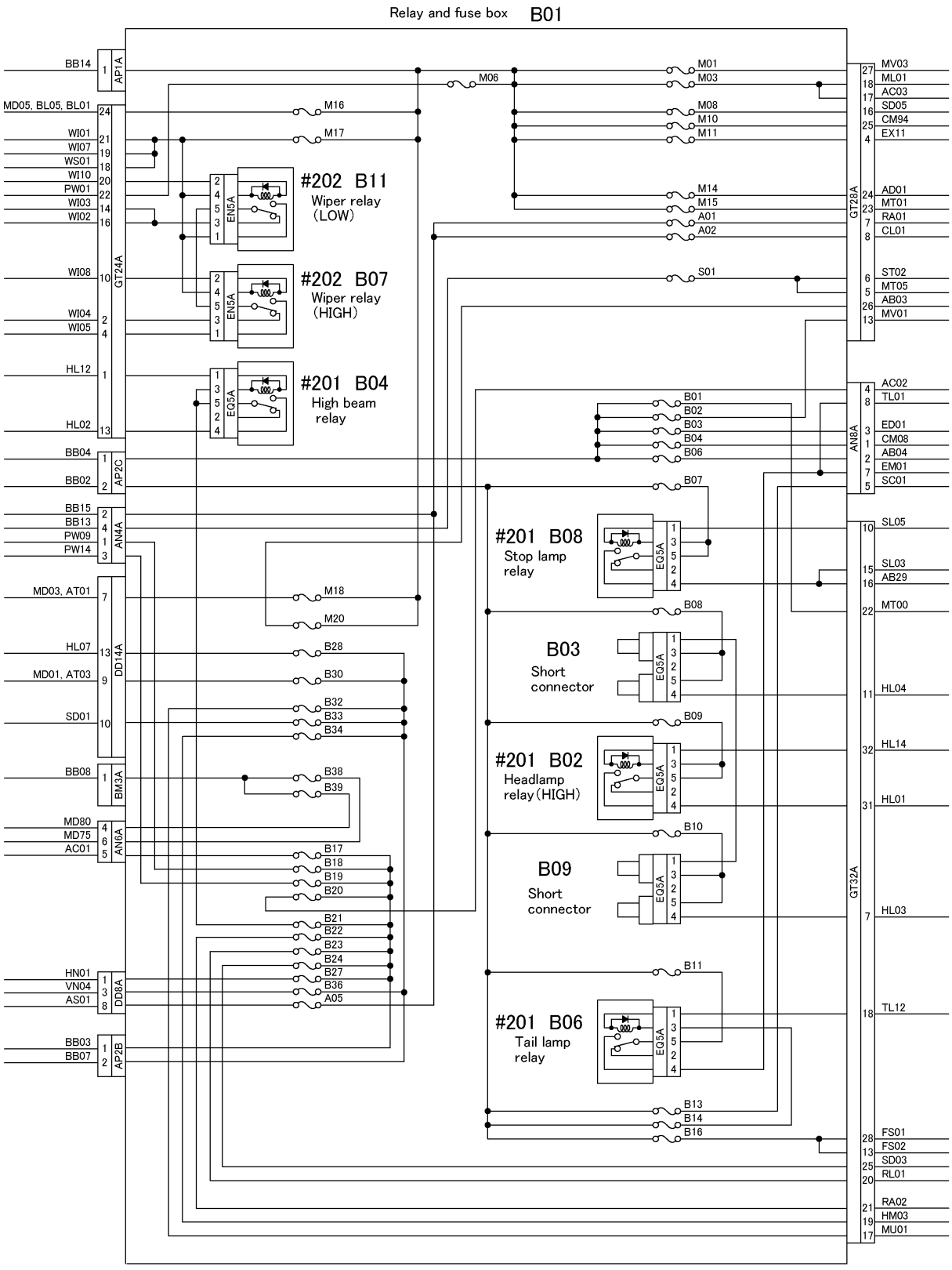
21. ELECTRIC CIRCUIT DIAGRAM

21.1 POWER, CHARGE AND GROUND CIRCUIT

(104) RELAY AND FUSE BOX CIRCUIT



104-C04061

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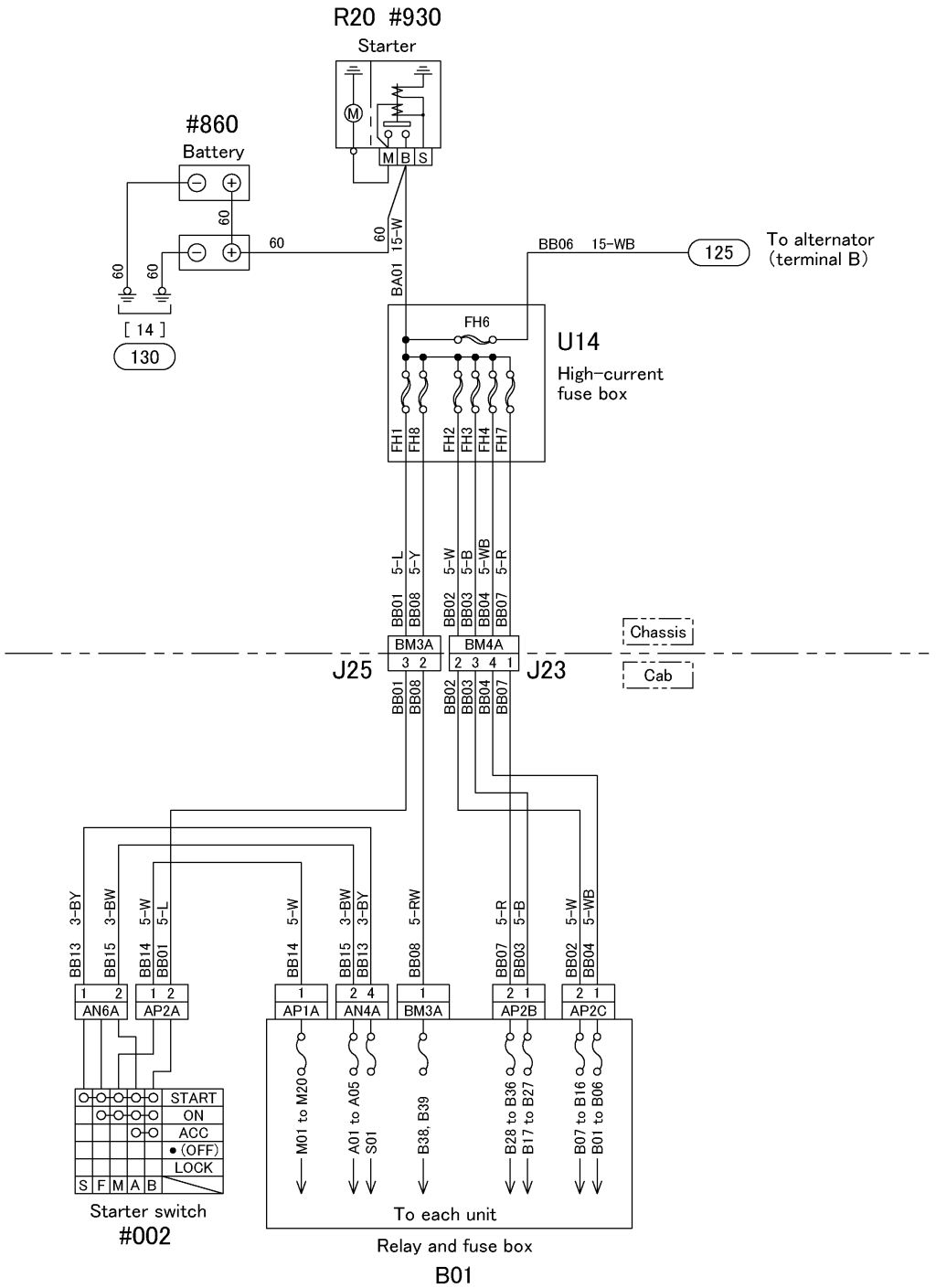
Battery to fuse



110-C04062

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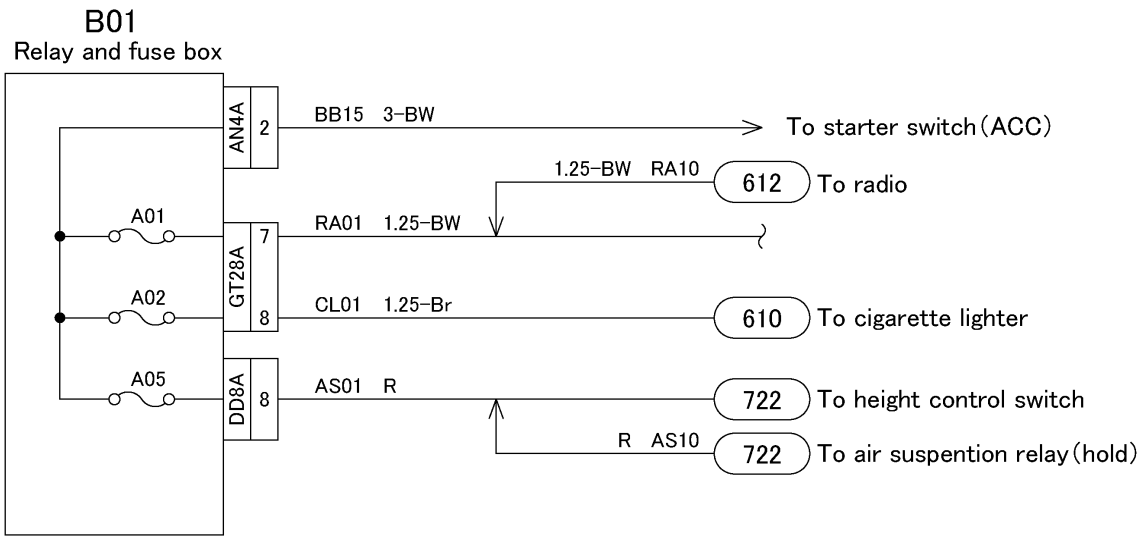
Relay and fuse box
(Fuse A01 to A05)



110-C04063

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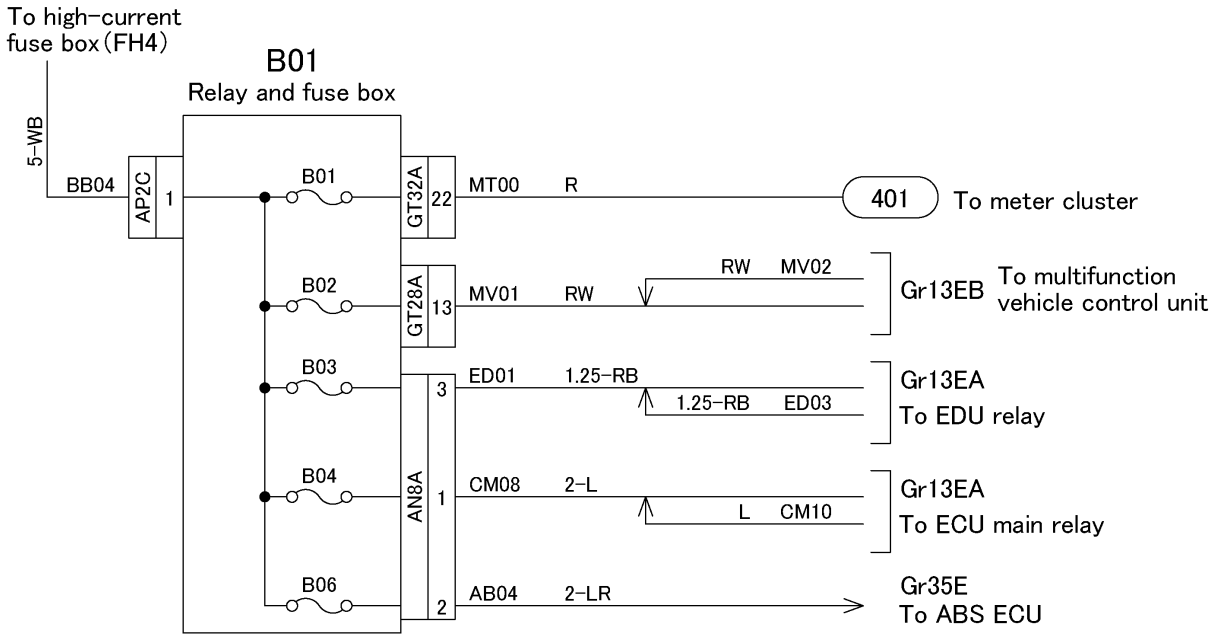
Relay and fuse box
(Fuse B01 to B06)



ECU: Electronic control unit
EDU: Electronic drive unit
ABS: Anti-lock brake system

110-C04064

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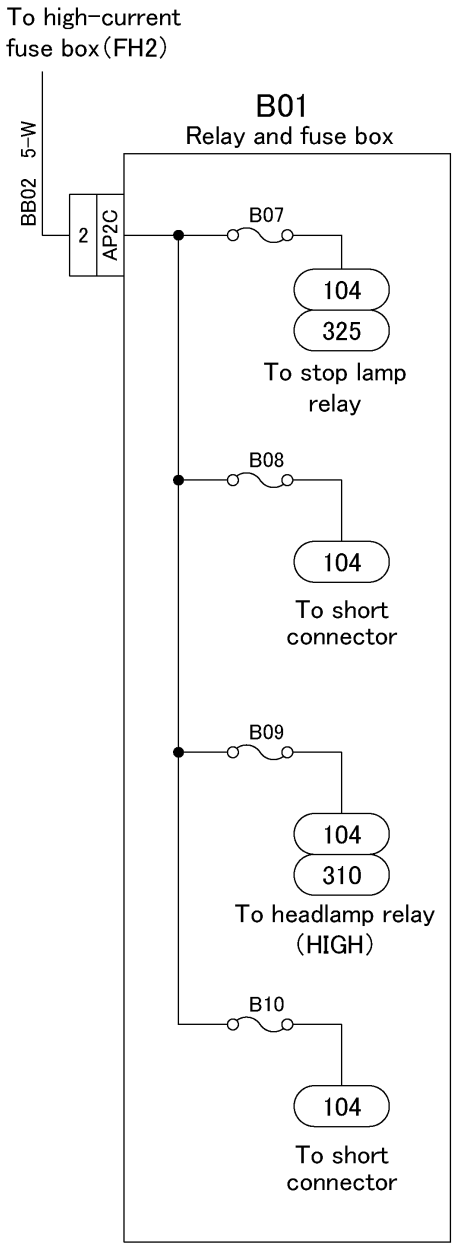
Relay and fuse box
(Fuse B07 to B10)



110-C04065

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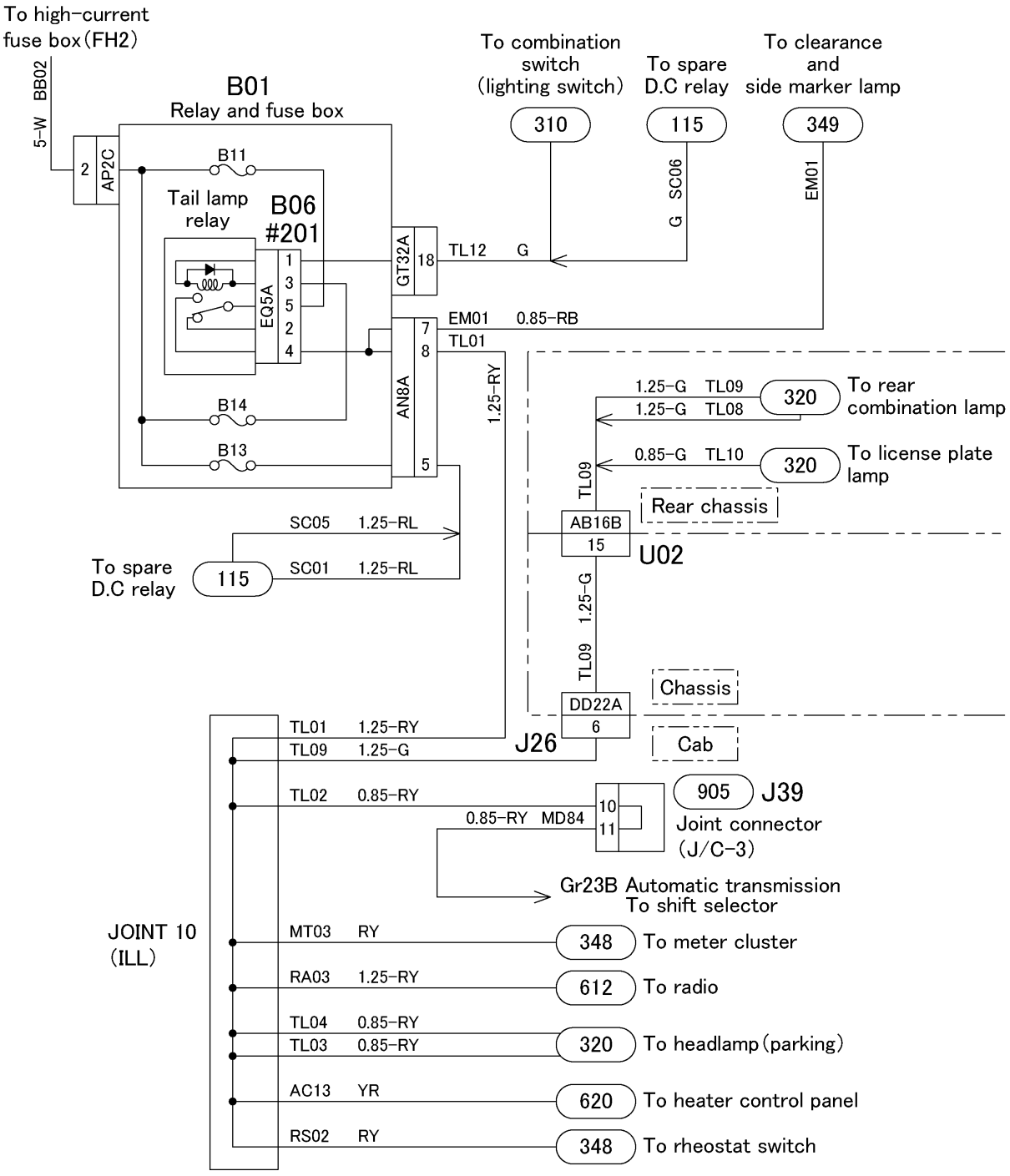
Relay and fuse box
(Fuse B11 to B14)



110-C04066

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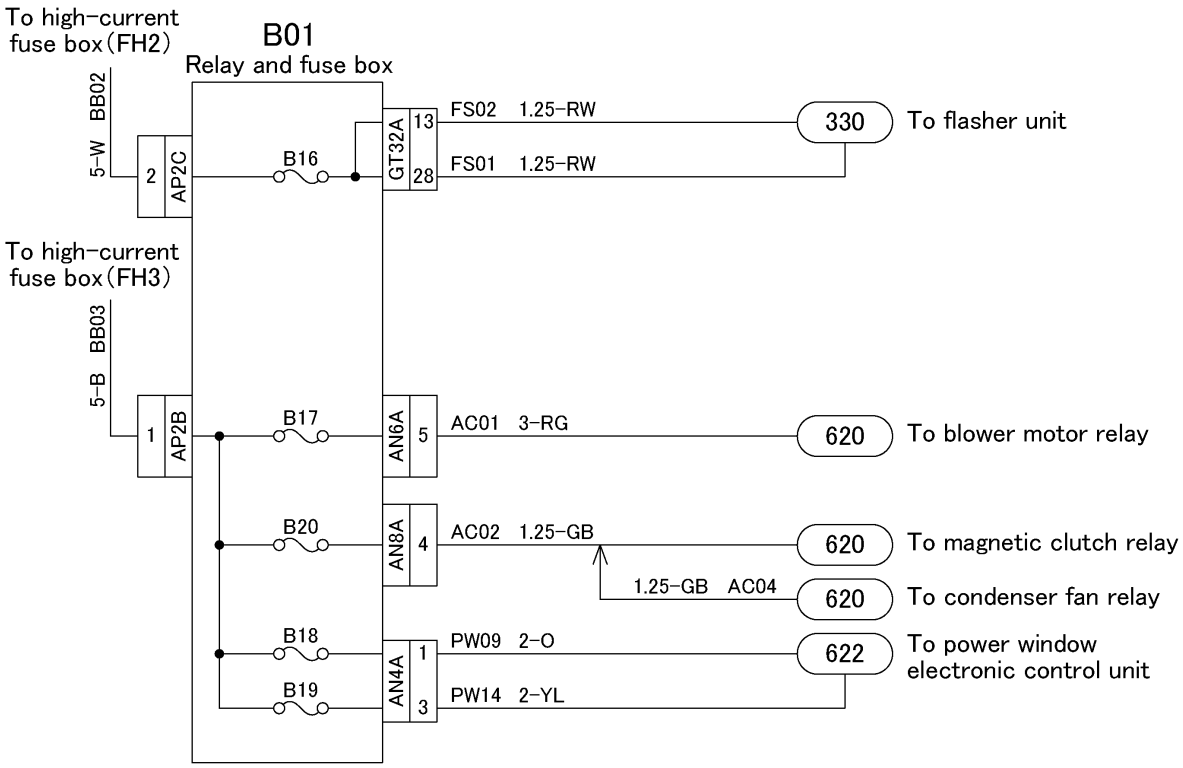
Relay and fuse box
(Fuse B16 to B20)



110-C04067

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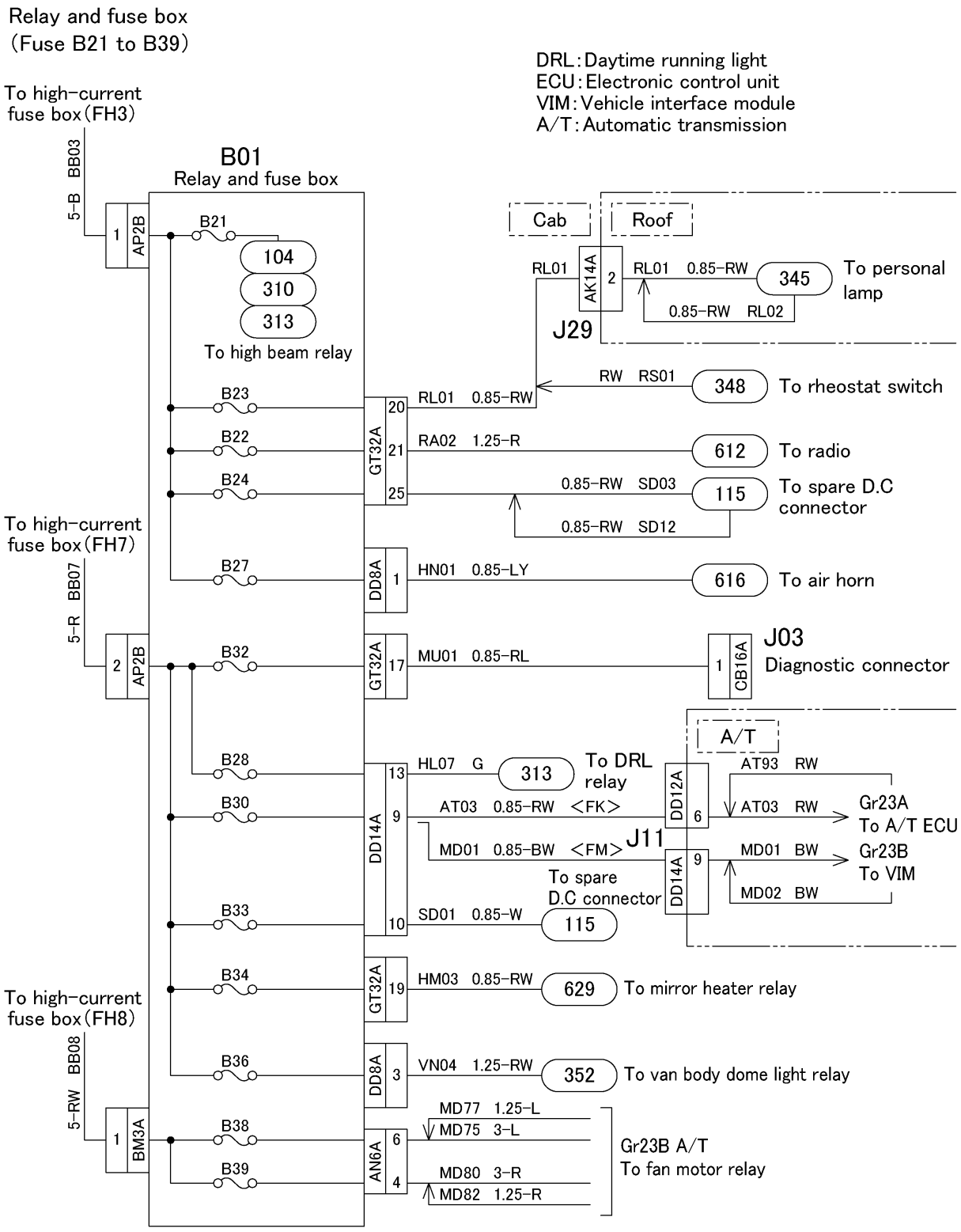

110-C04068

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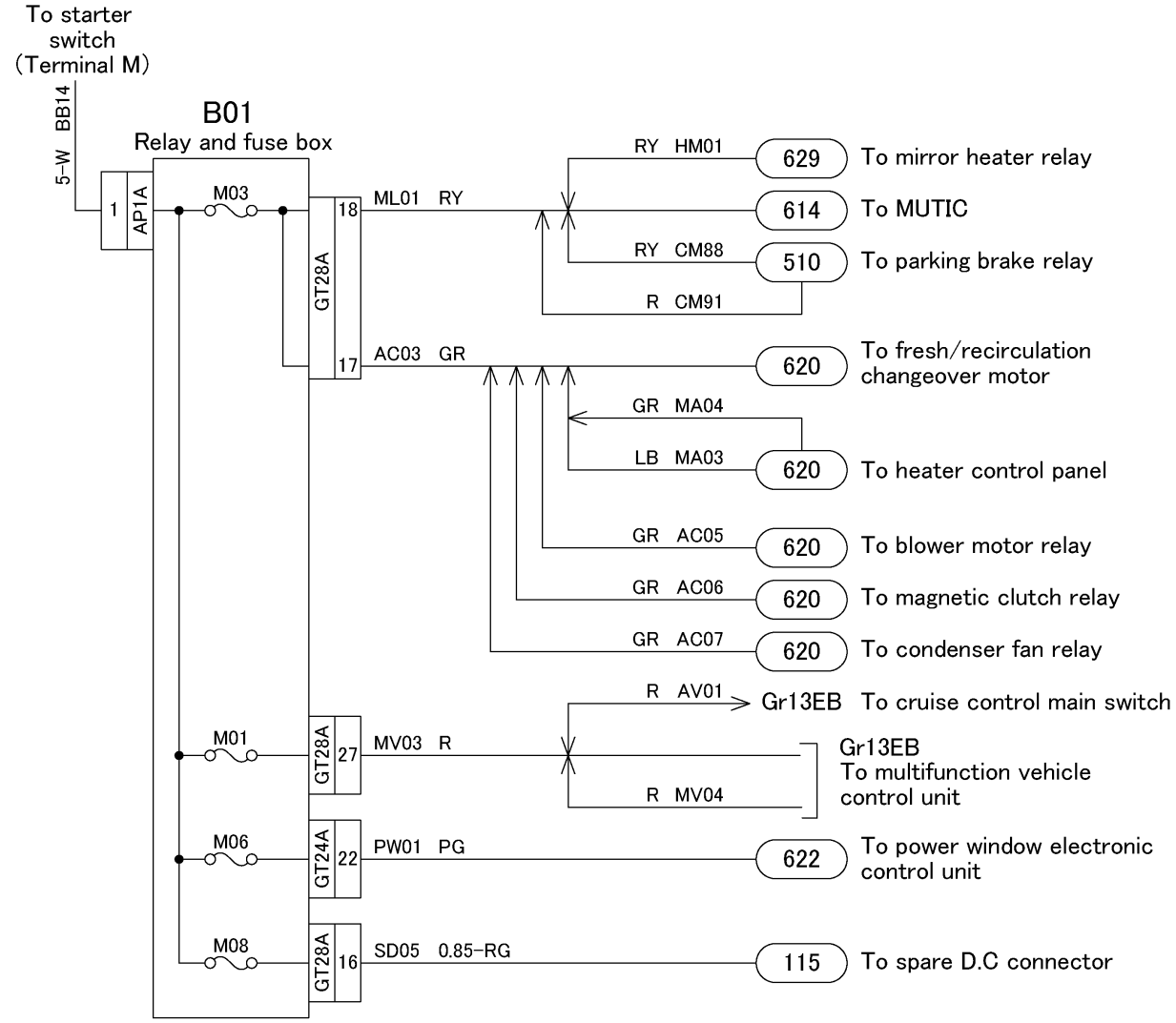
Relay and fuse box
(Fuse M01 to M08)



MUTIC : Multipurpose timing control unit

110-C04069

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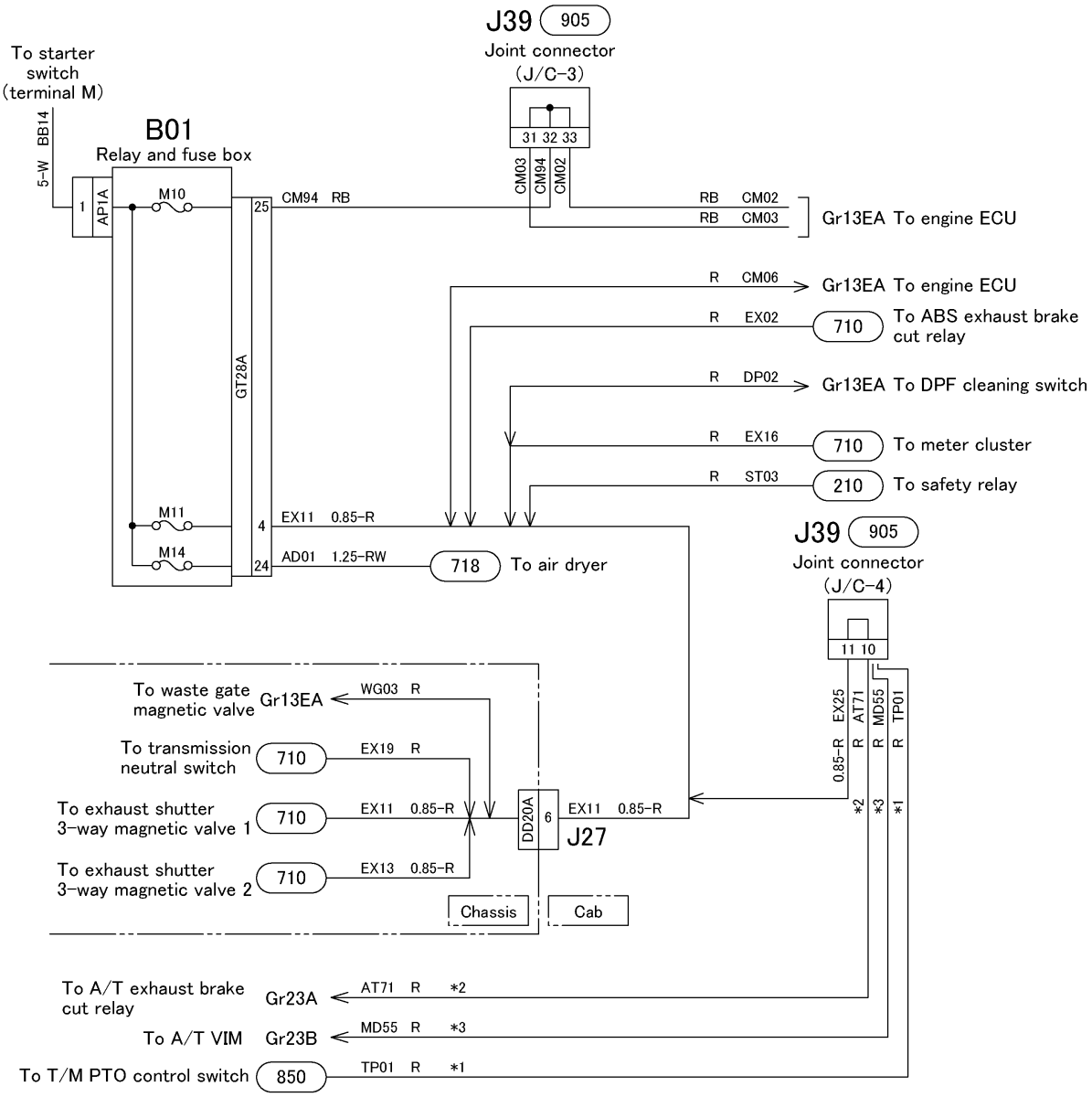
Relay and fuse box
(Fuse M10 to M14)



*1: Manual transmission
*2: Automatic transmission <FK>
*3: Automatic transmission <FM>

ECU: Electronic control unit
VIM: Vehicle interface module
DPF: Diesel particulate filter
ABS: Anti-lock brake system
PTO: Power take-off
T/M: Transmission

110-C04070

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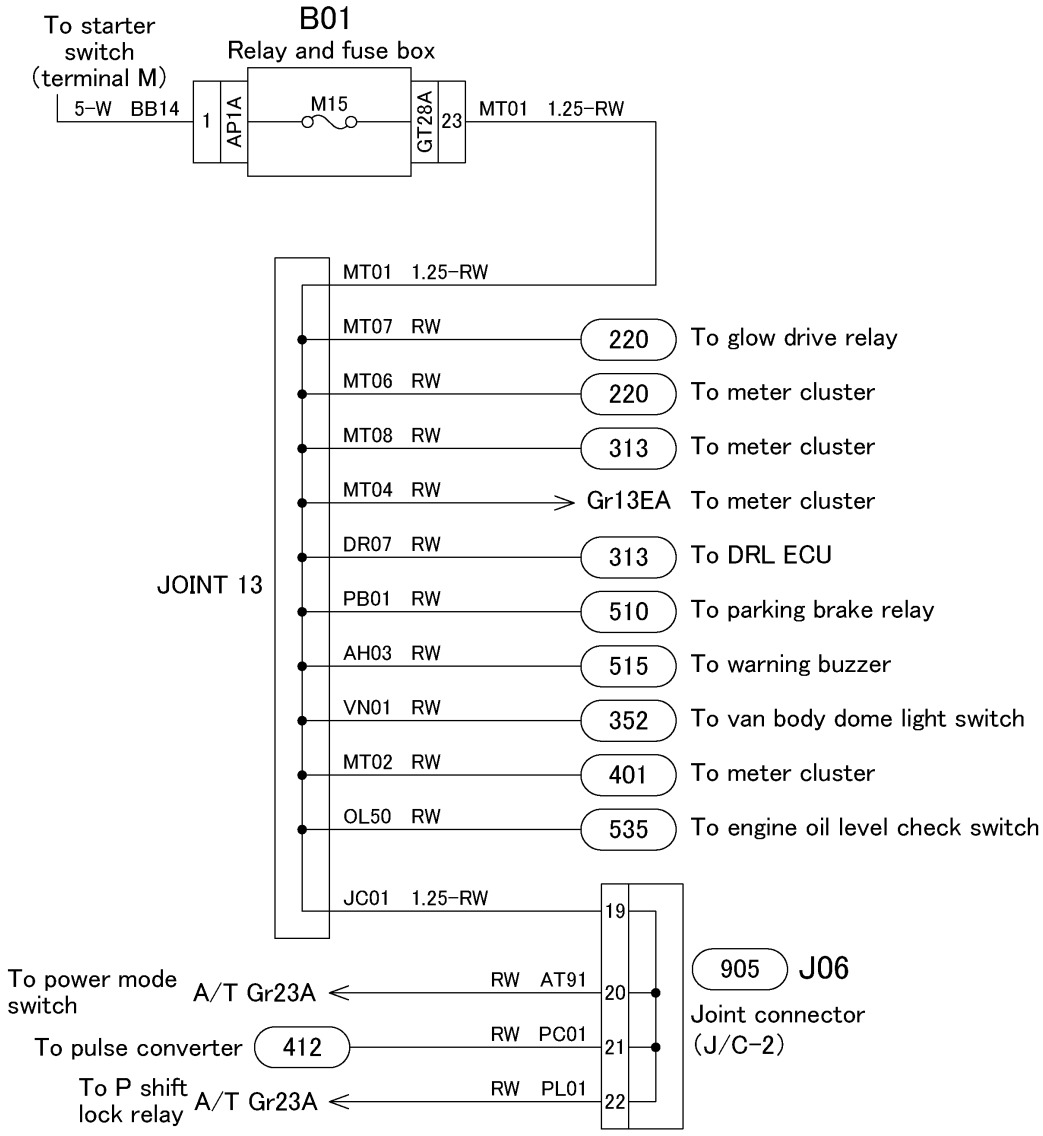
Relay and fuse box
(Fuse M15)



DRL: Daytime running light
ECU: Electronic control unit
A/T: Automatic transmission

110-C04071

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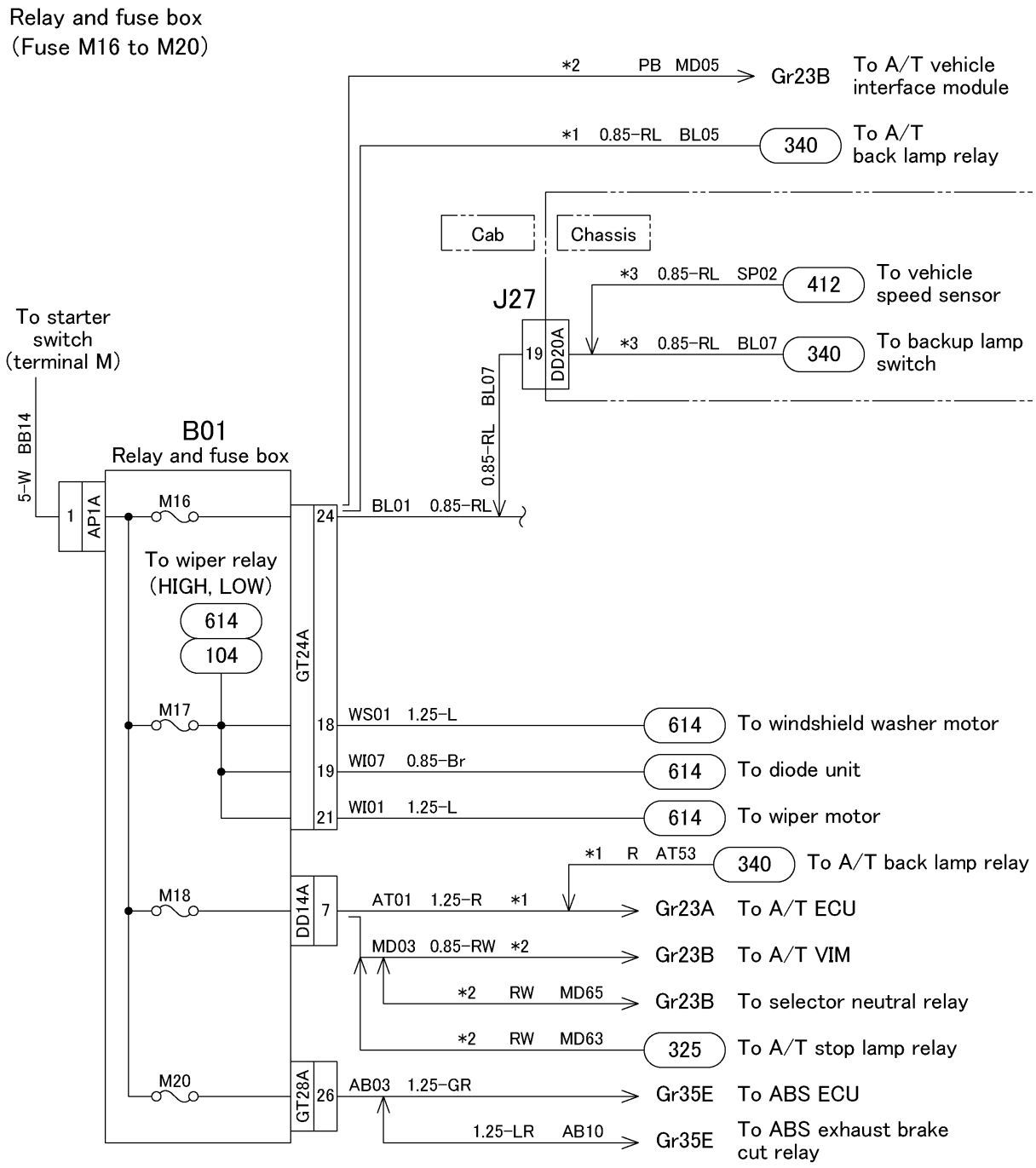

VIM: Vehicle interface module
ABS: Anti-lock brake system
A/T: Automatic transmission
ECU: Electronic control unit

*1: A/T<FK>
*2: A/T<FM>
*3: Manual transmission

110-C04072

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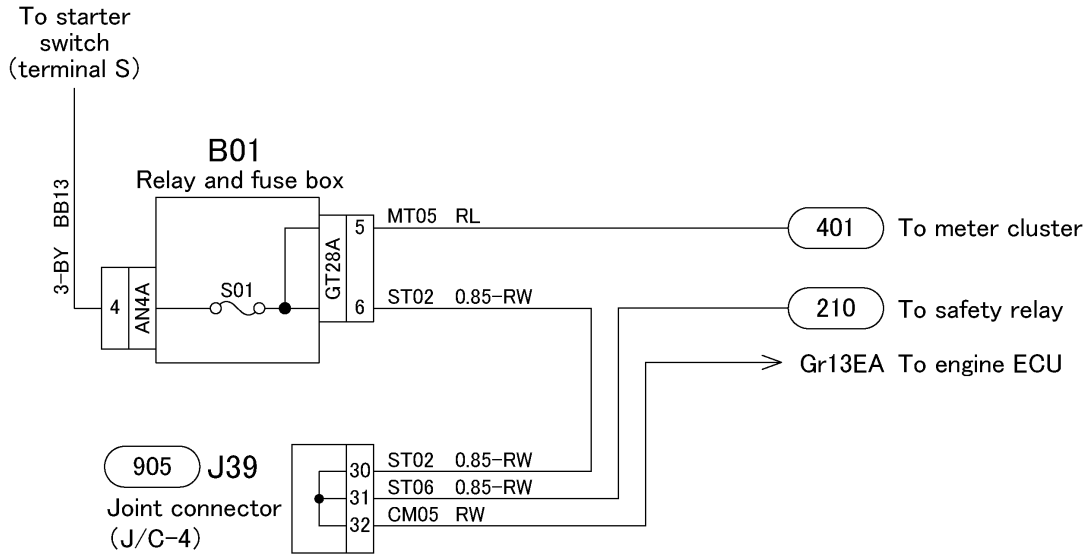
Relay and fuse box
(Fuse S01)



ECU : Electronic control unit

110-C04073

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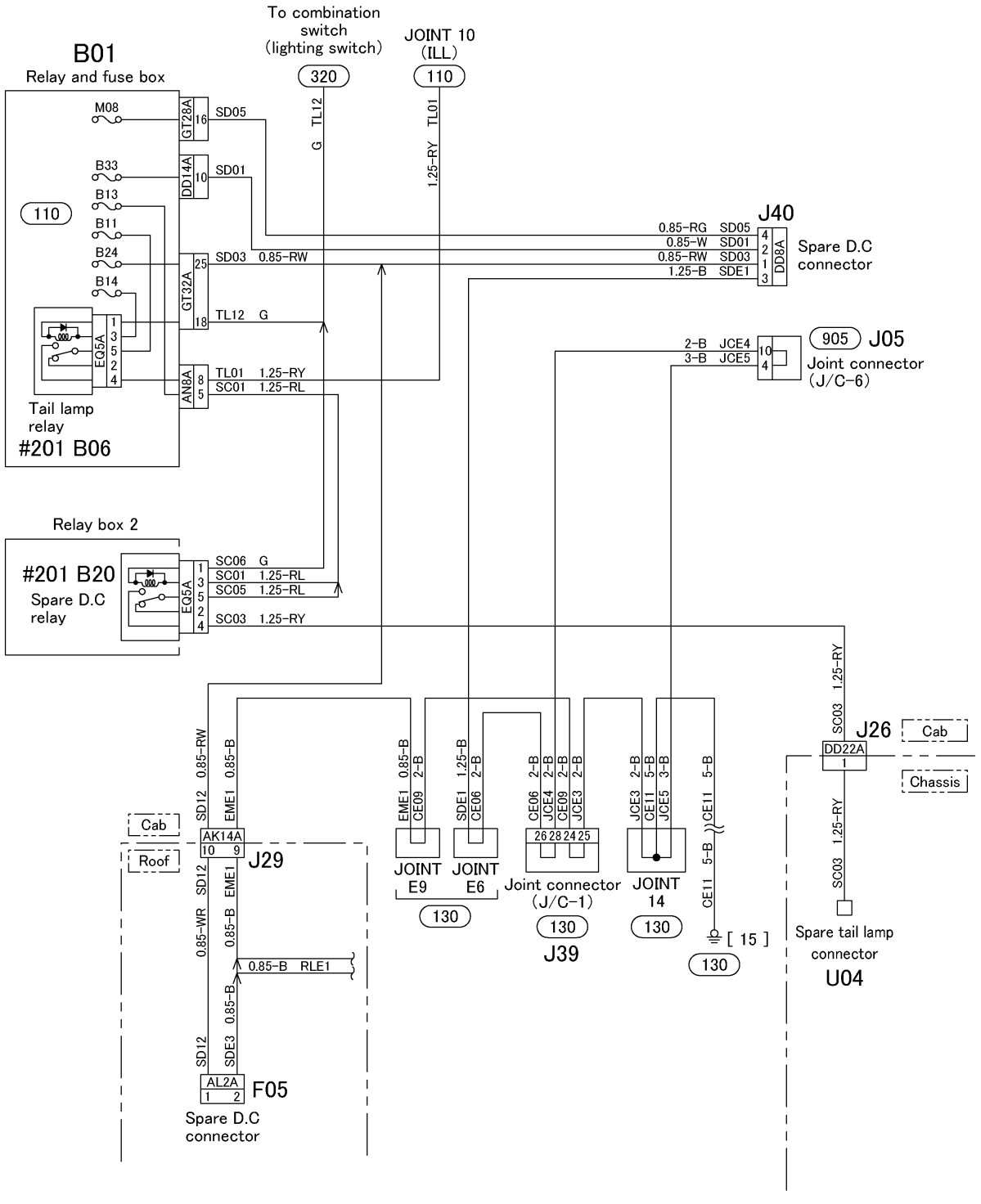

115-C04074

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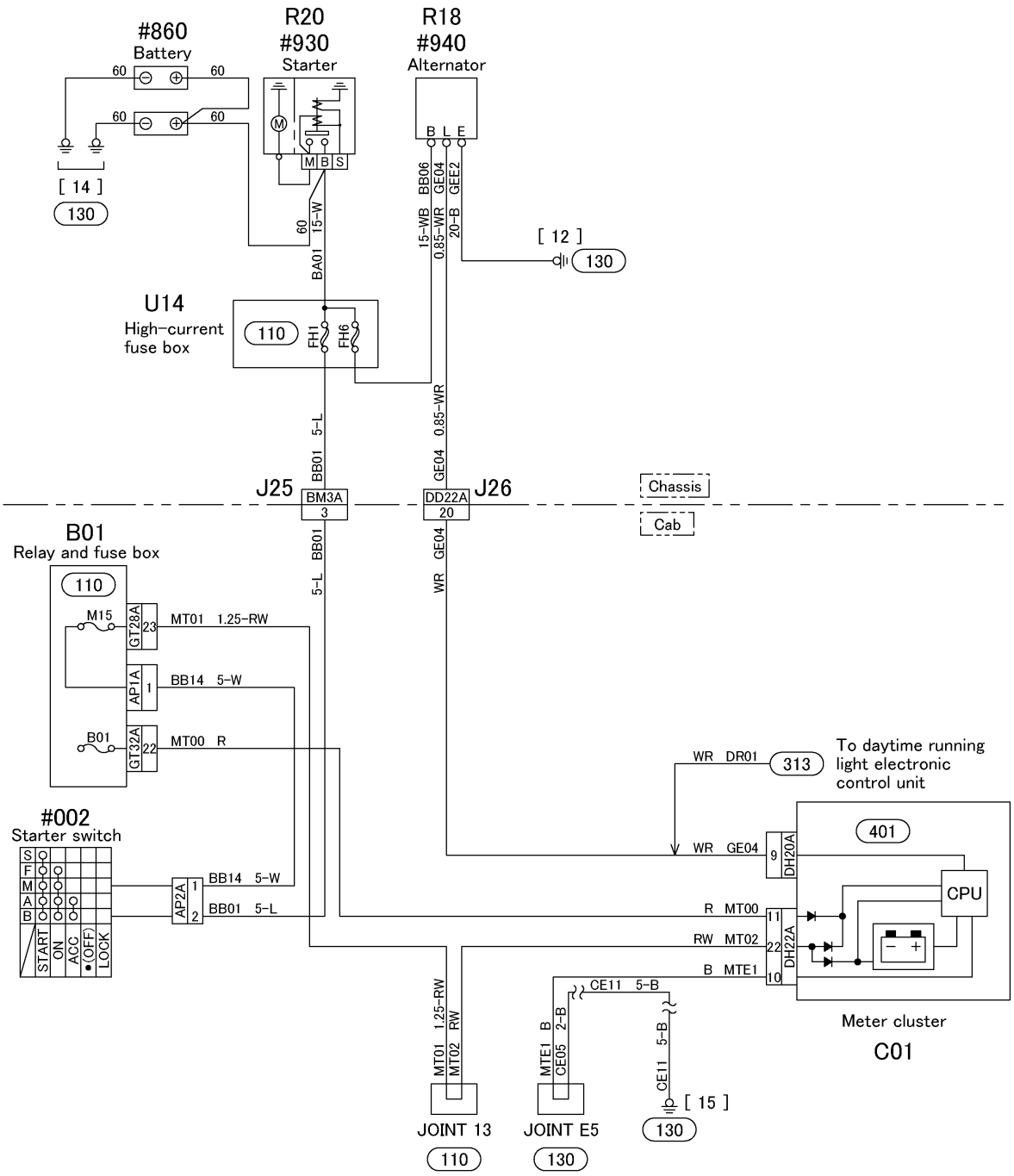
125 BATTERY CHARGING CIRCUIT



125-C04075

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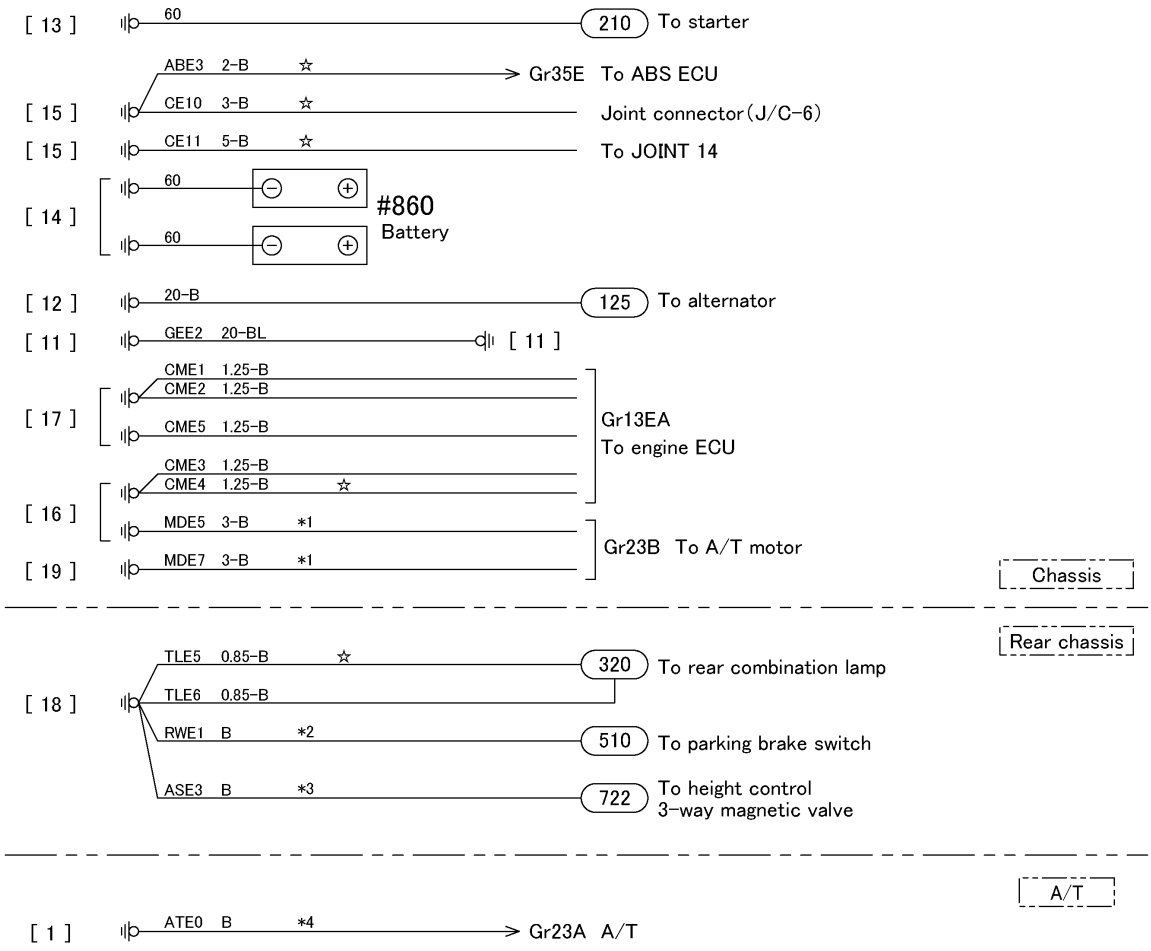
Entire ground

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



＊1:A/T＜FM＞
＊2:Wheel parking brake
＊3:Air suspention
＊4:A/T＜FK＞

ABS:Anti-lock brake system
ECU:Electronic control unit
A/T:Automatic transmission

130-C04076

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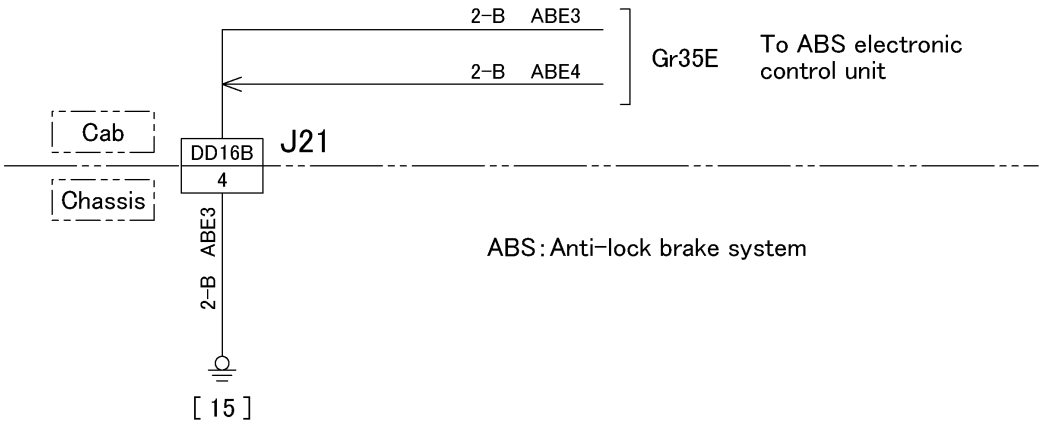
Circuit No. ABE3 chassis ground
＜ABS＞



130-C04077

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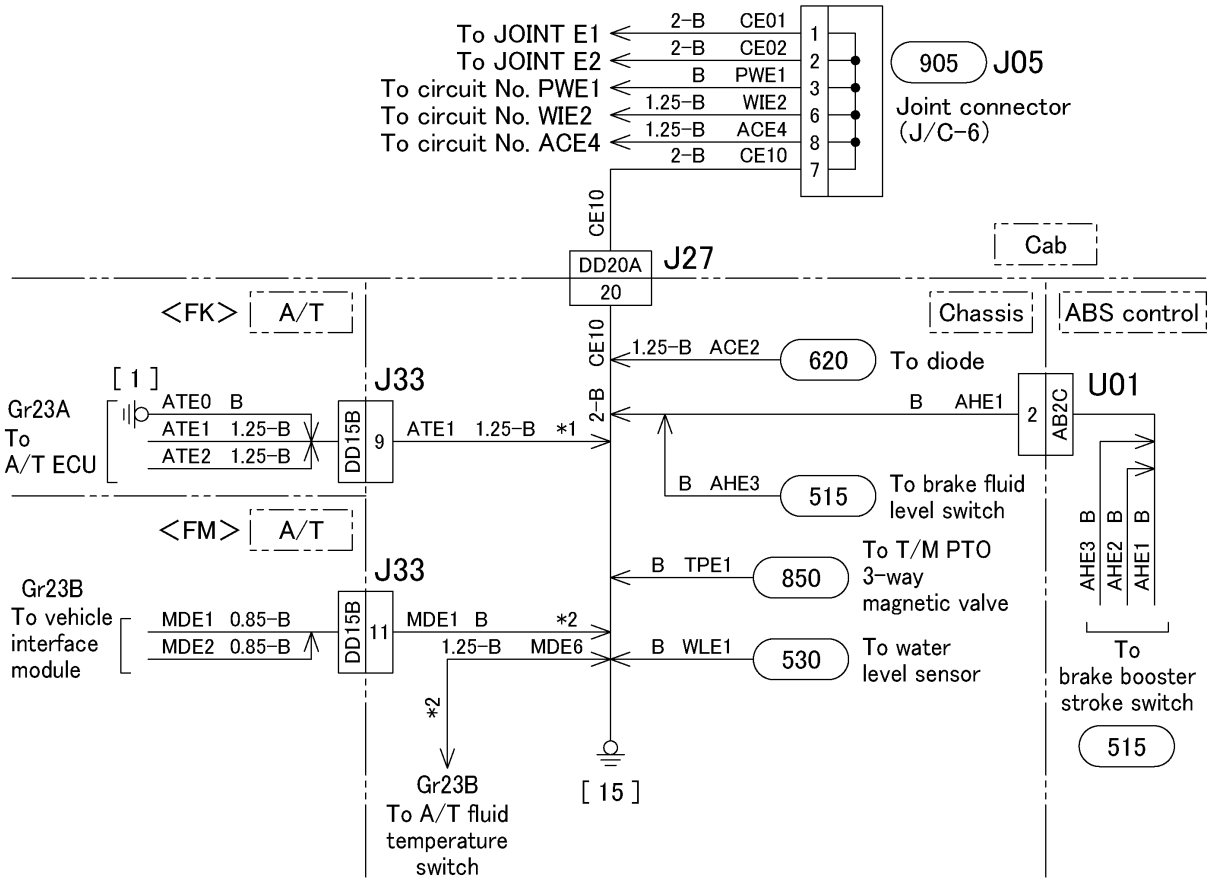
Circuit No. CE10 chassis ground
＜Main ground＞

A/T: Automatic transmission
T/M: Transmission
PTO: Power take-off
ABS: Anti-lock brake system
ECU: Electronic control unit

＊1: A/T＜FK＞
＊2: A/T＜FM＞



130-C04078

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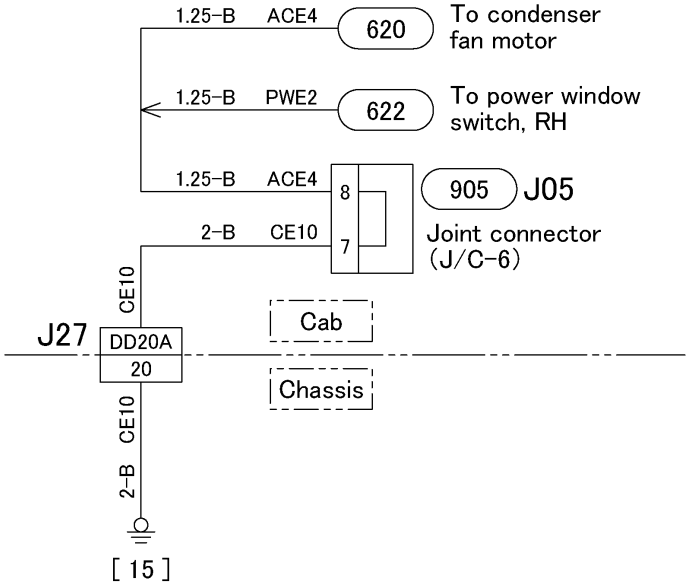
Circuit No. CE10 chassis ground
＜Circuit No. ACE4＞



130-C04079

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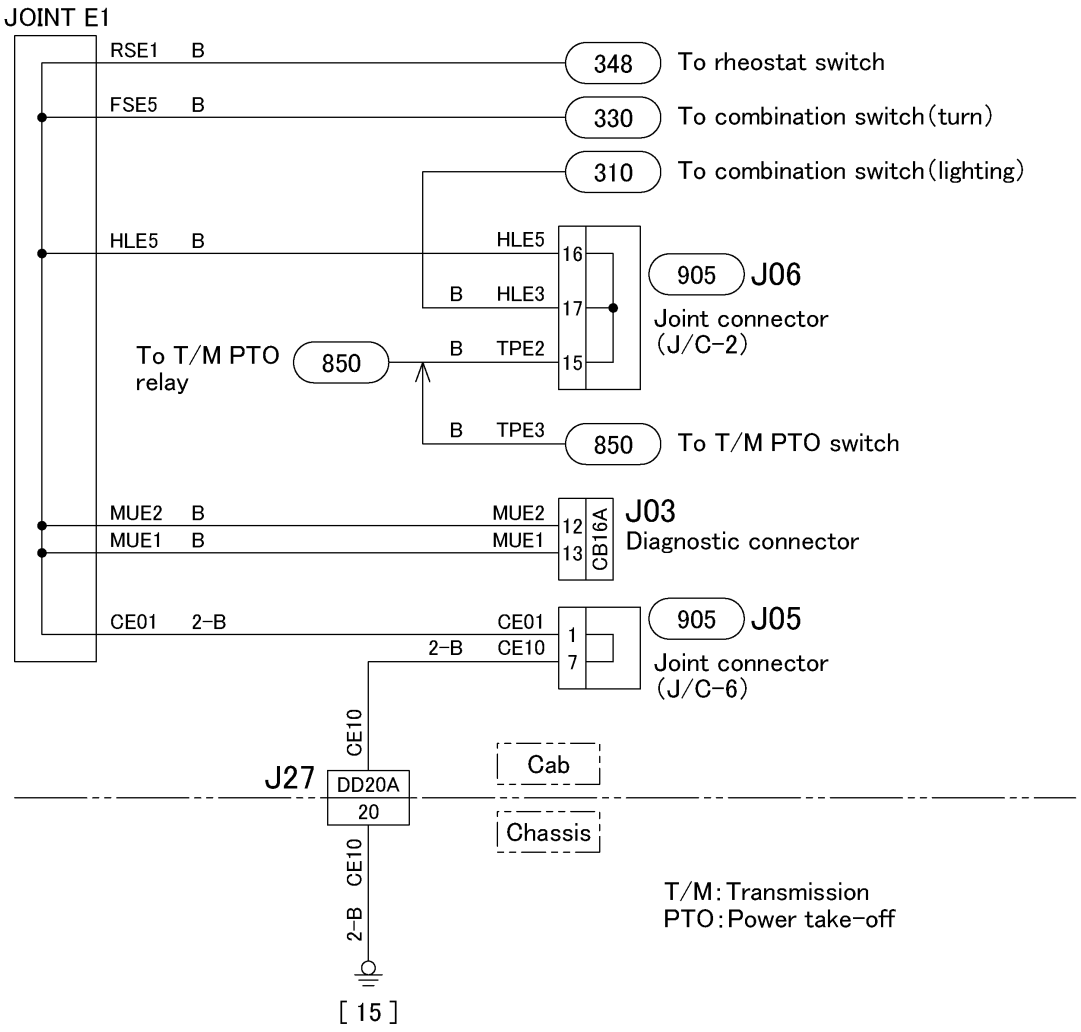
Circuit No. CE10 chassis ground
＜JOINT E1＞



130-C04080

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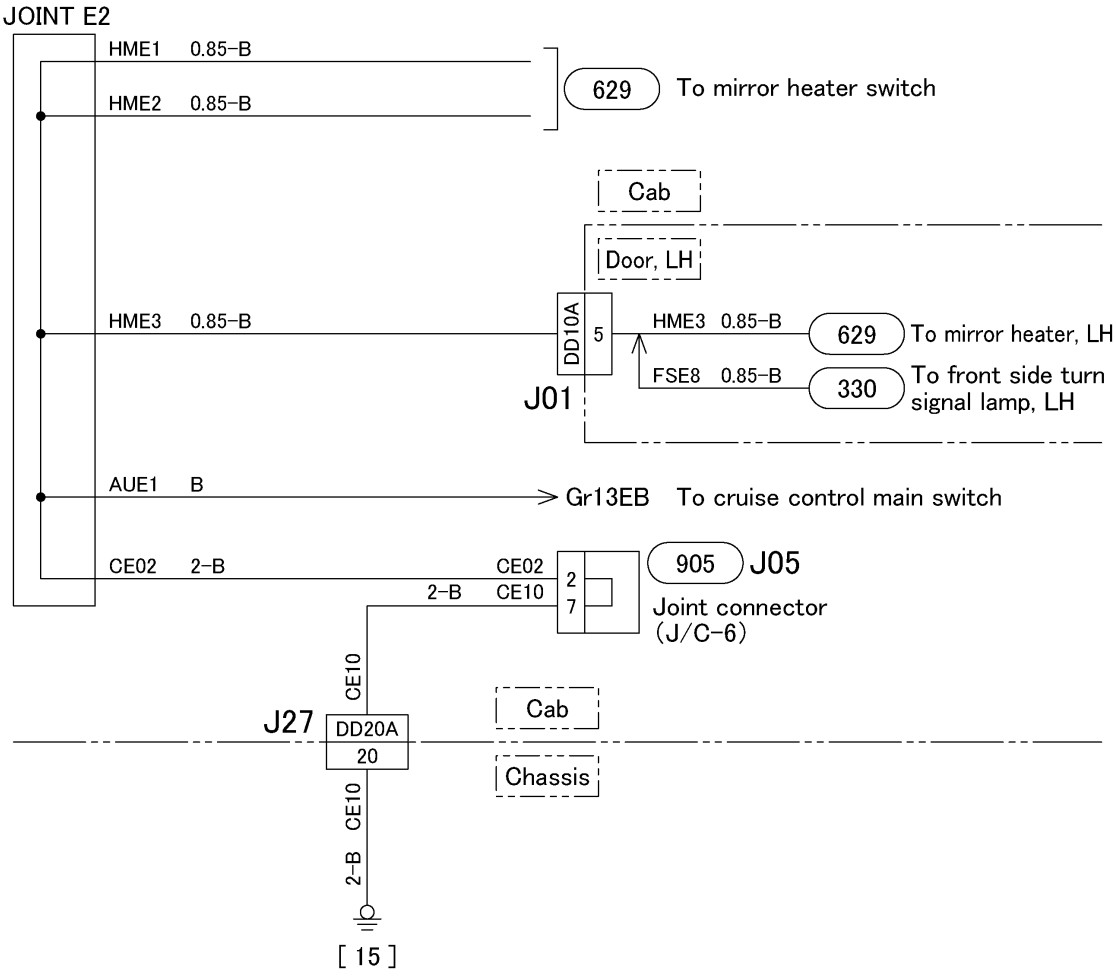
Circuit No. CE10 chassis ground
＜JOINT E2＞



130-C04081

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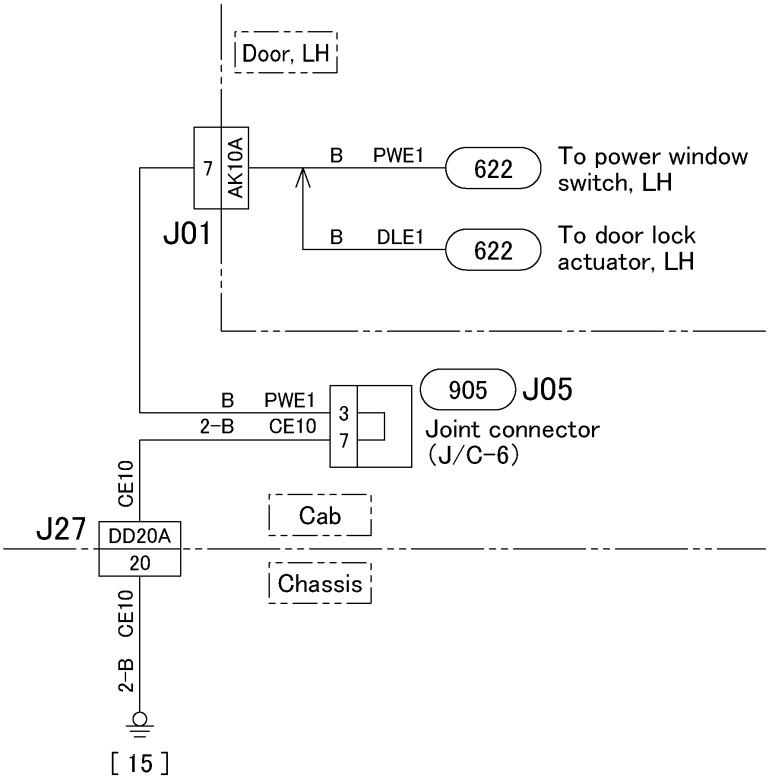
Circuit No. CE10 chassis ground
＜Circuit No. PWE1＞



130-C04082

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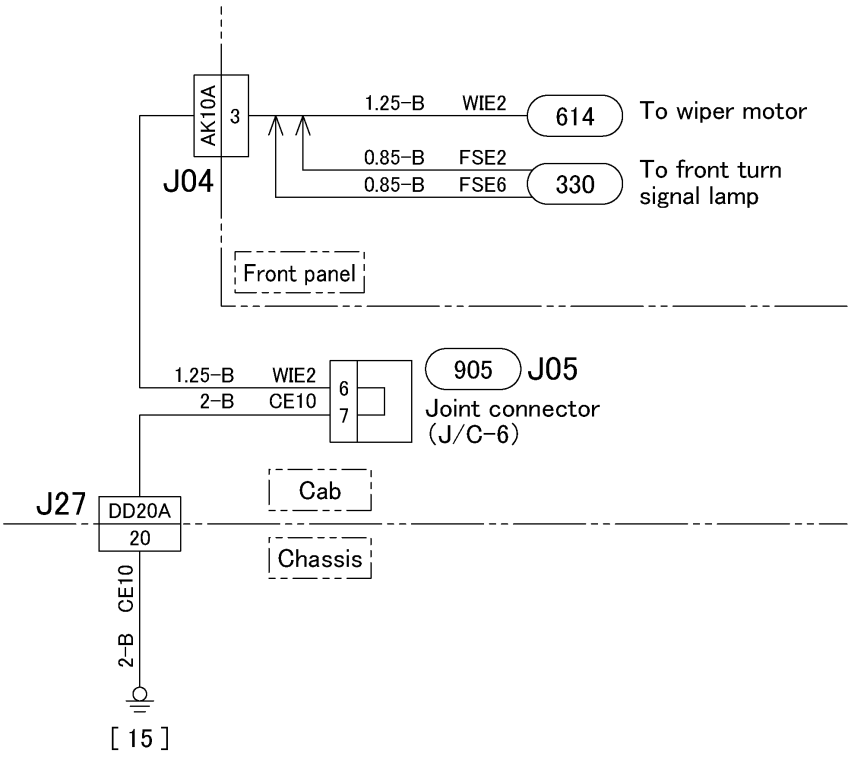
Circuit No. CE10 chassis ground
＜Circuit No. WIE2＞



130-C04083

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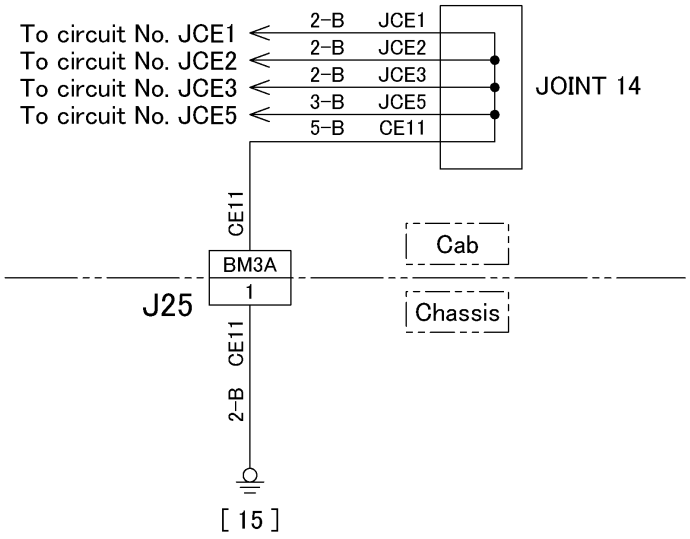
Circuit No. CE11 chassis ground
＜Main ground＞



130-C04084

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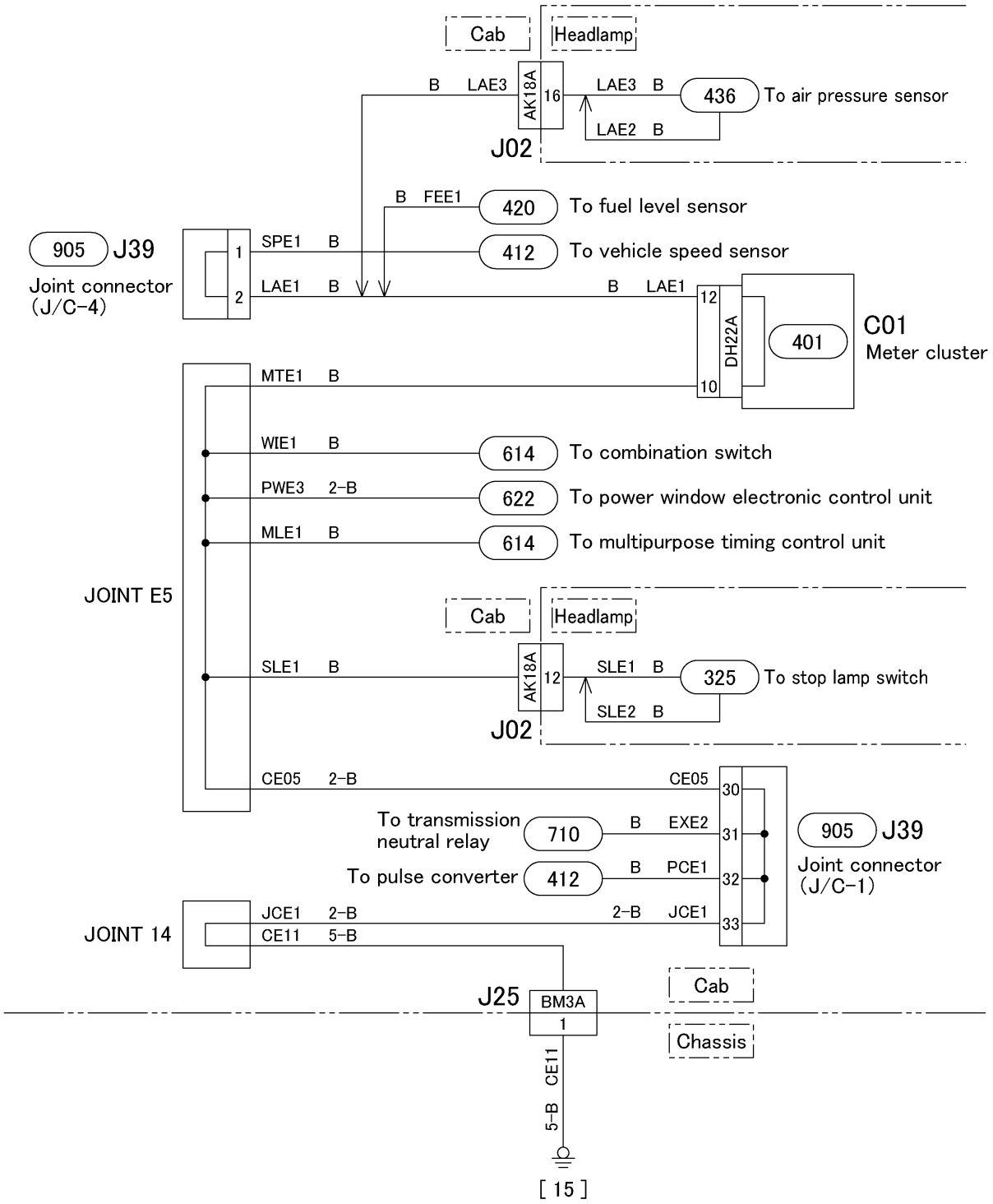
Circuit No. CE11 chassis ground
＜Circuit No. JCE1＞
＜JOINT E5＞



130-C04085

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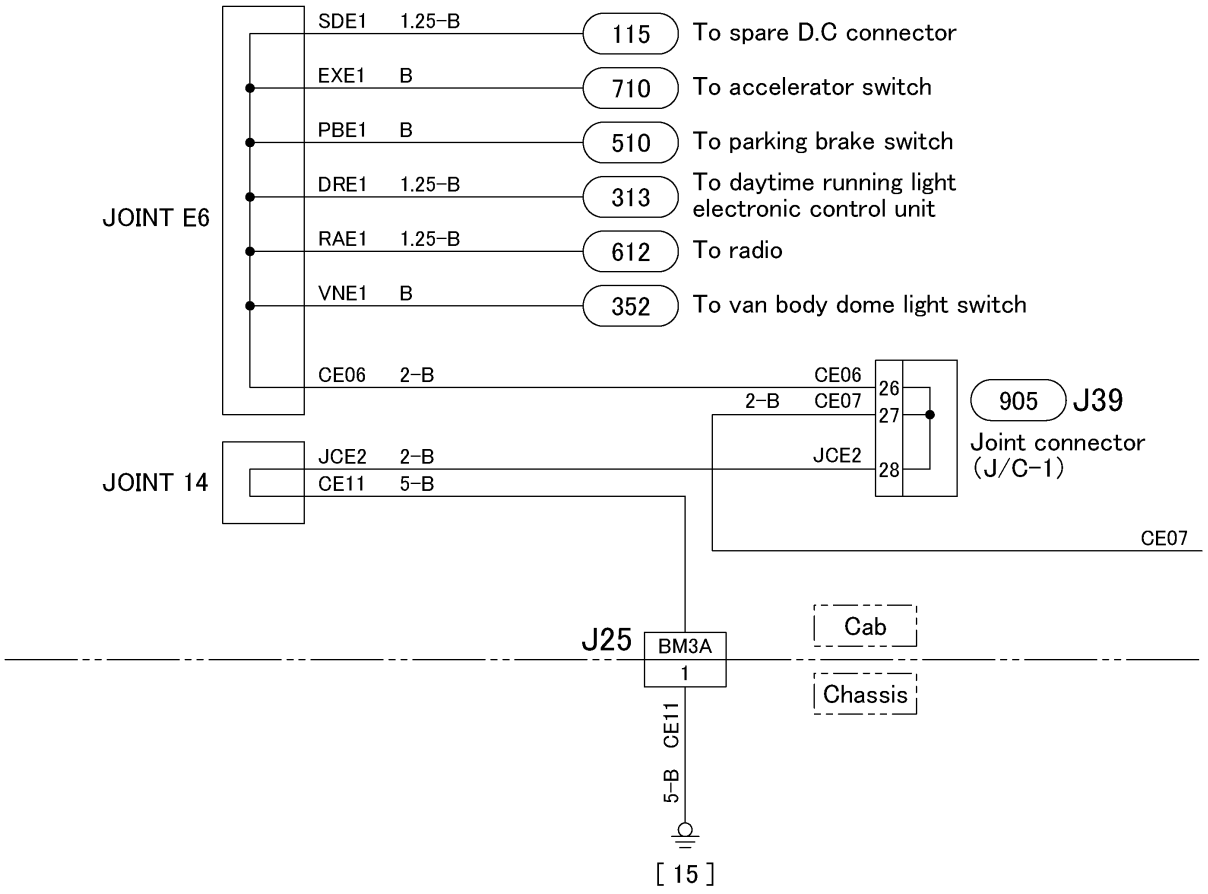
Circuit No. CE11 chassis ground
＜Circuit No. JCE2＞
＜JOINT E6, JOINT E7＞



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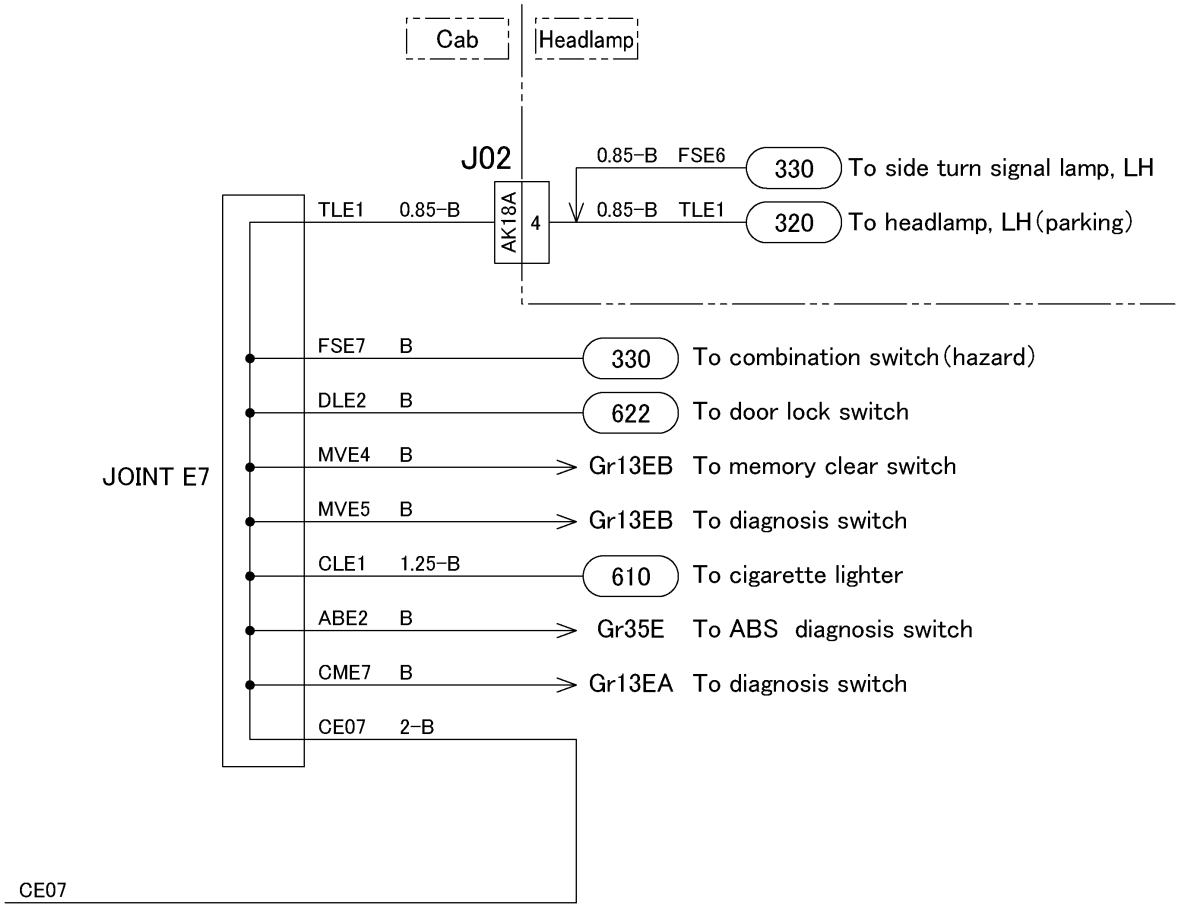

ABS : Anti-lock brake system

130-C04086-2

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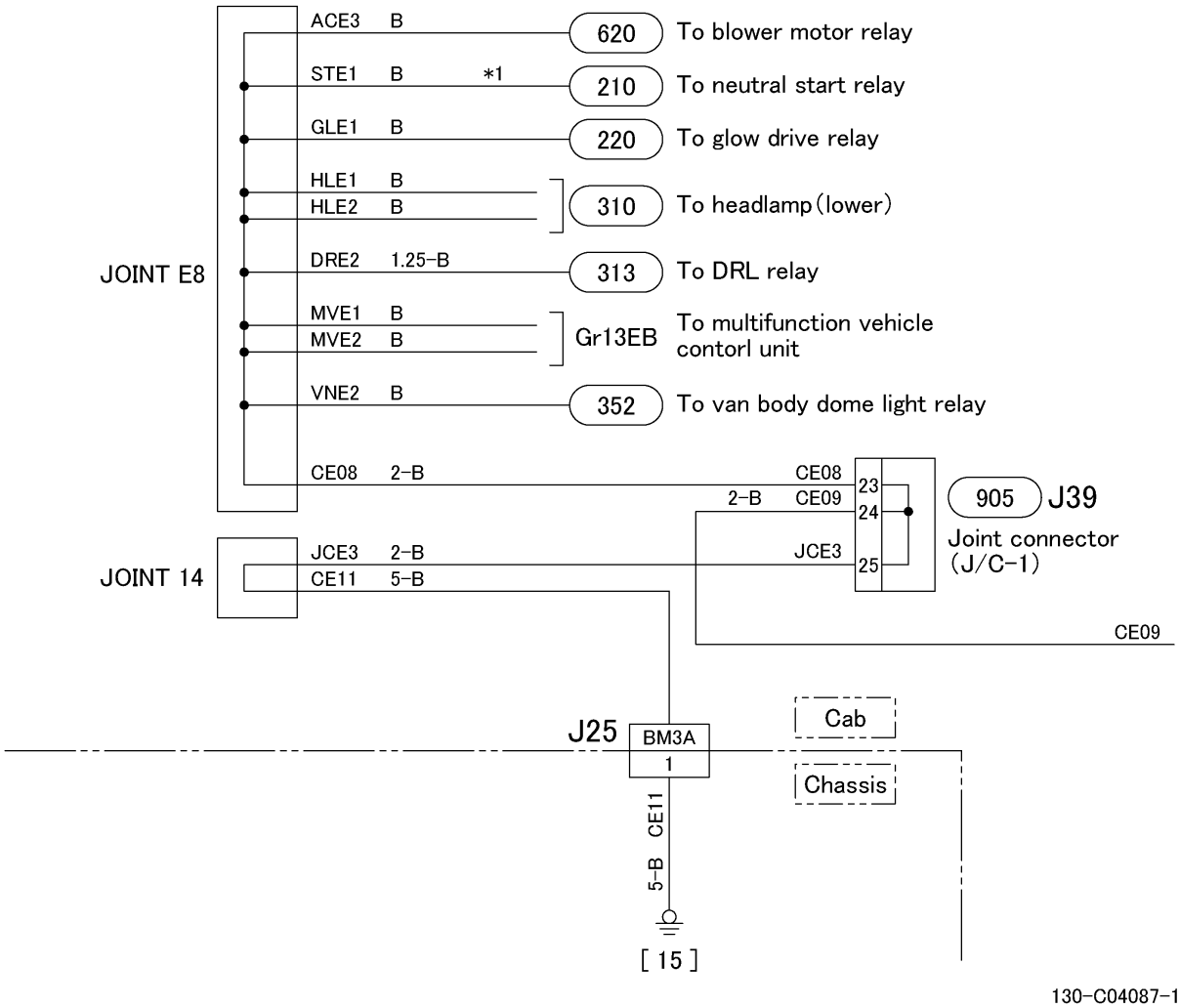
Circuit No. CE11 chassis ground
＜Circuit No. JCE3＞
＜JOINT E8, JOINT E9＞

＊1 : Manual transmission
＊2 : Automatic transmission

DRL : Daytime running light



130-C04087-1

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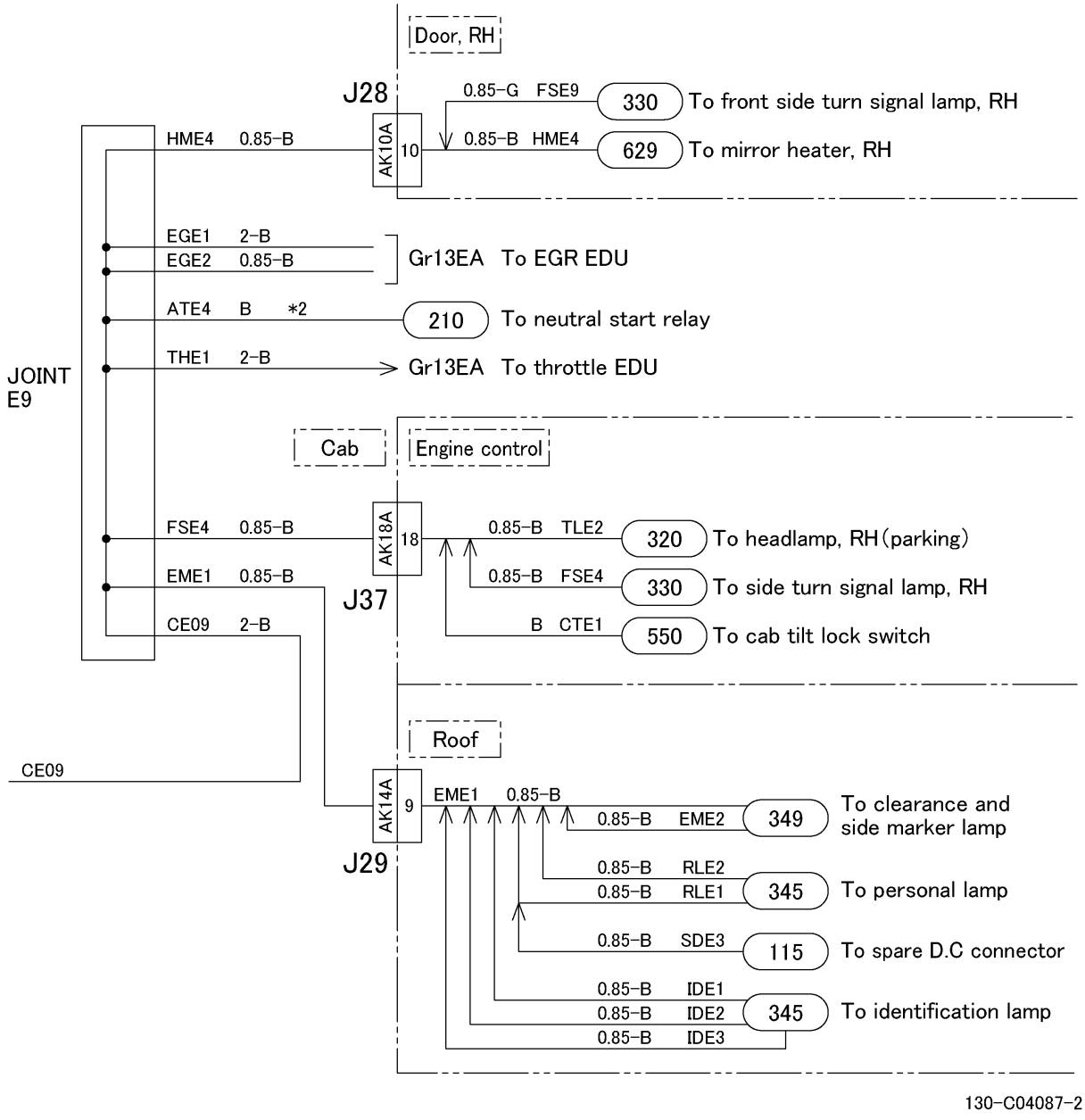
EDU: Electronic drive unit
EGR: Exhaust gas recirculation



130-C04087-2

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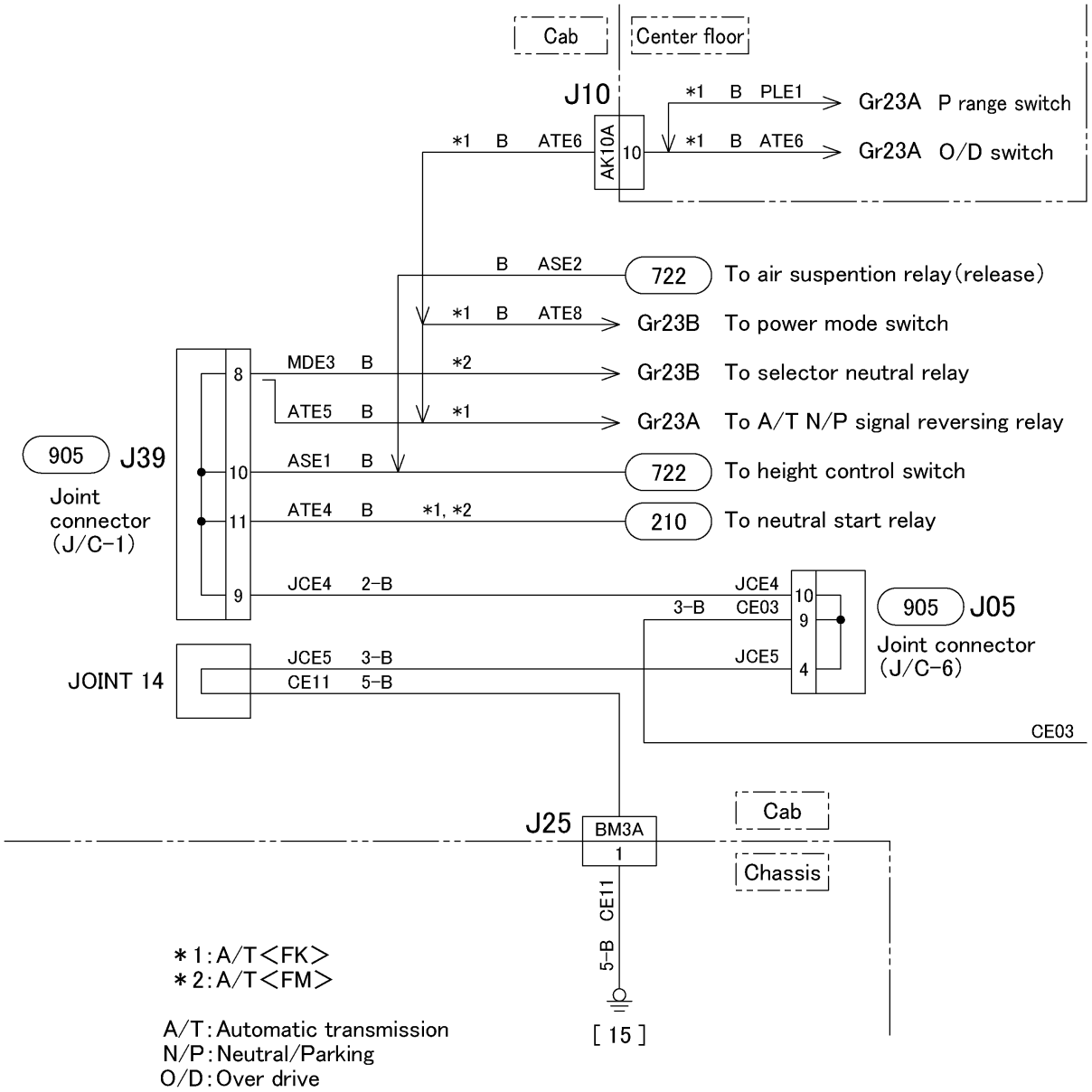
Circuit No. CE11 chassis ground
＜Circuit No. JCE5＞
＜JOINT E3＞



130-C04088-1

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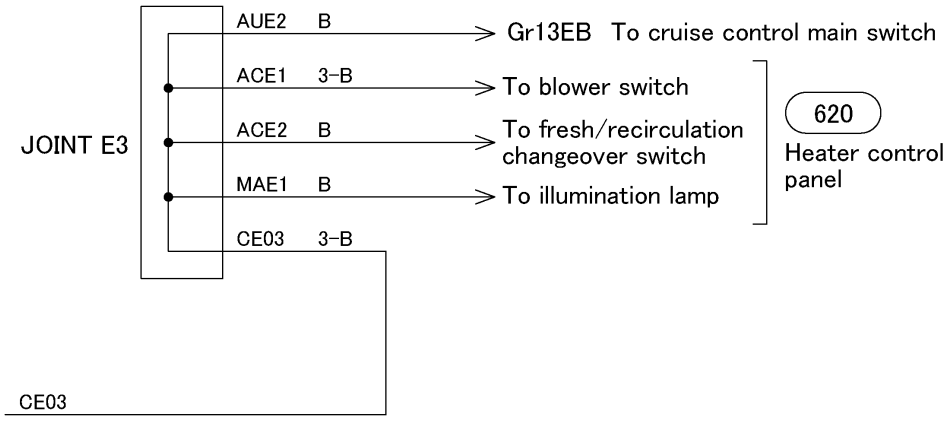

130-C04088-2

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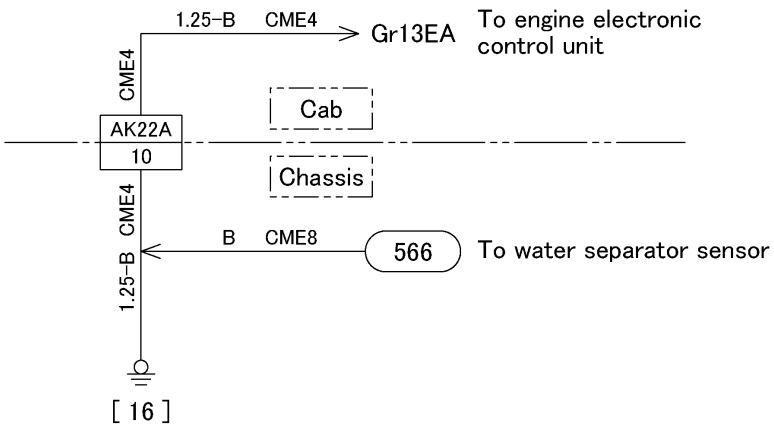
Circuit No. CME4 chassis ground



130-C04089

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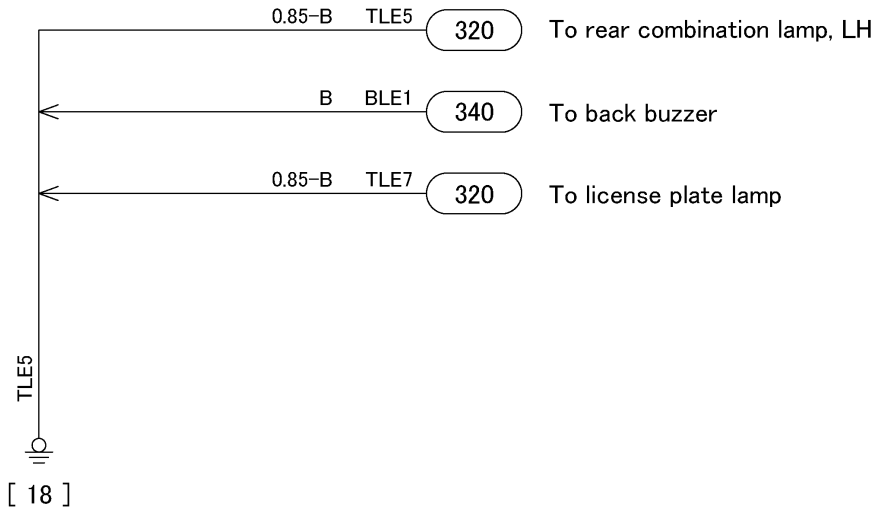
Circuit No. TLE5 rear chassis ground



130-C04090

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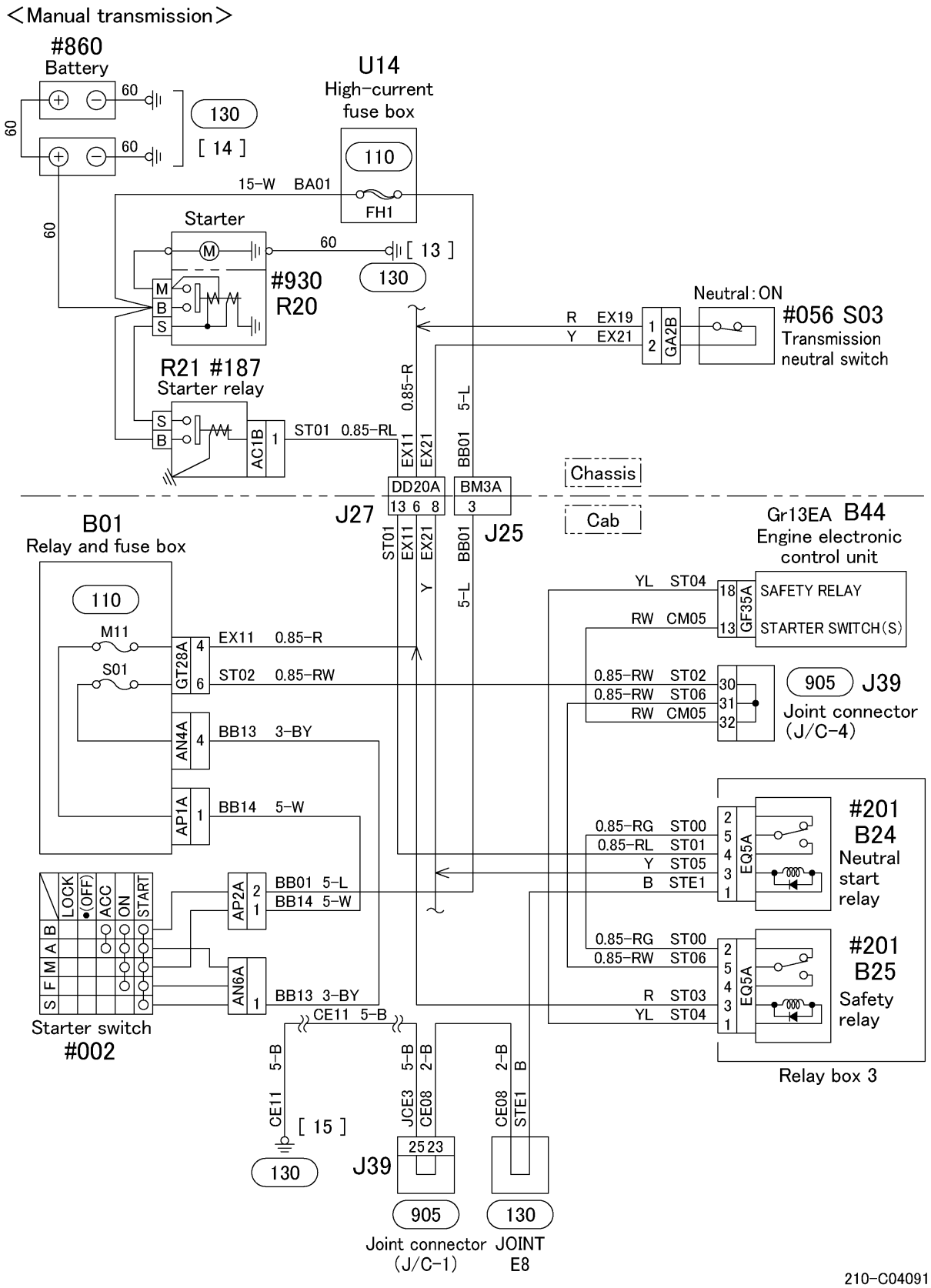
21.2 STARTING AND PREHEATING CIRCUIT
(210) ENGINE STARTING CIRCUIT



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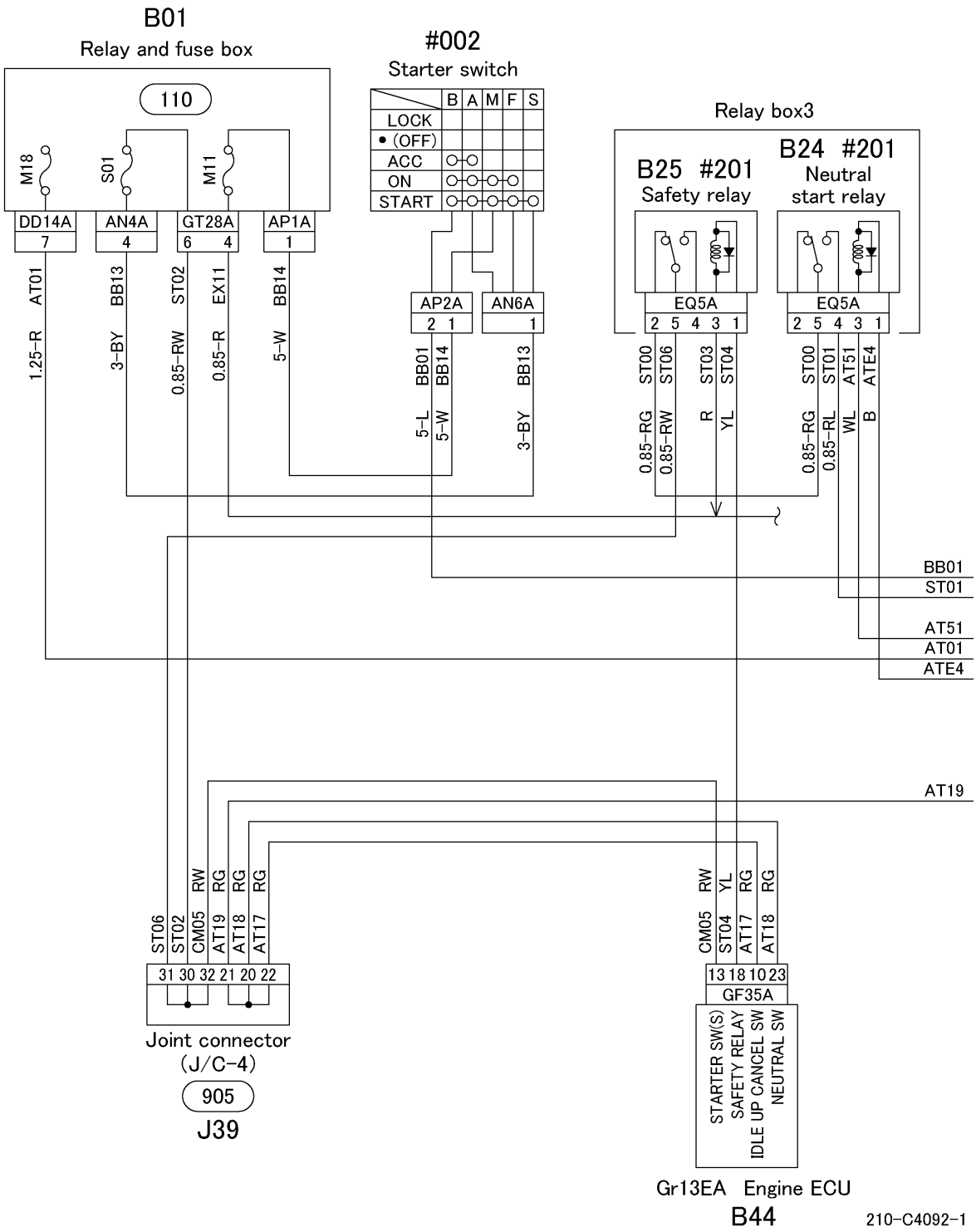
＜Automatic transmission(FK)＞

A/T: Automatic transmission
N/P: Neutral/Parking
ECU: Electronic control unit



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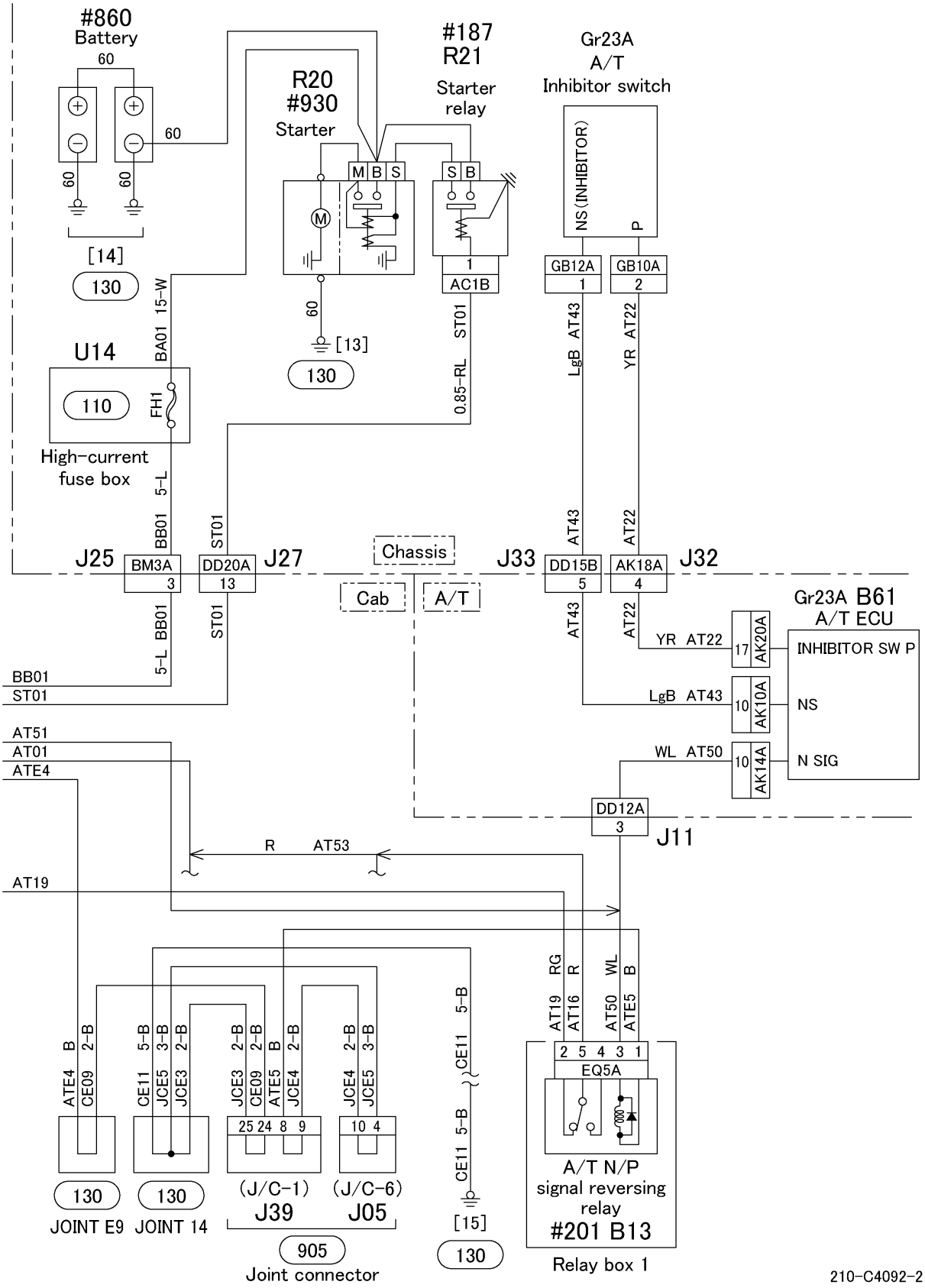

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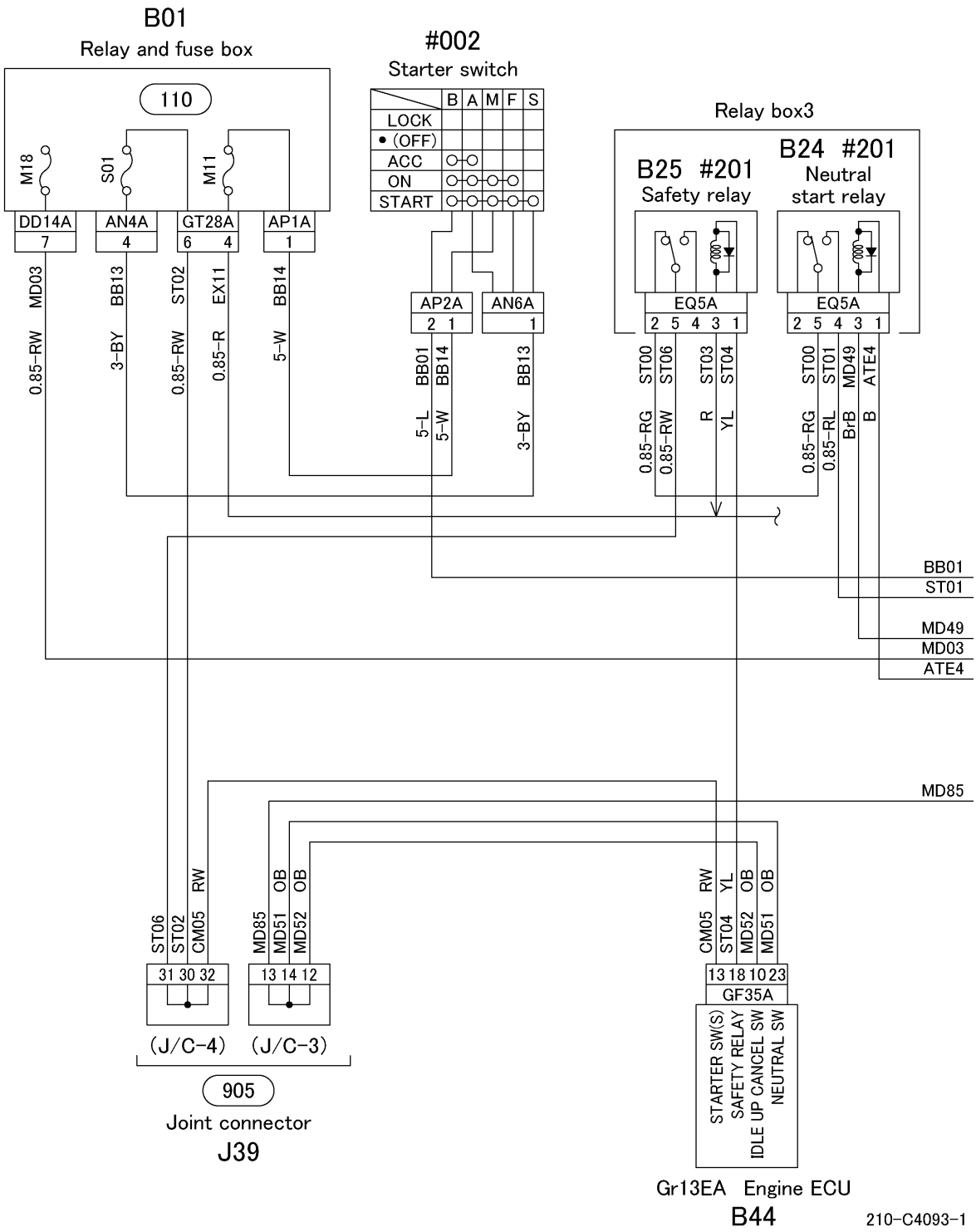
＜Automatic transmission（FM）＞

A/T：Automatic transmission
N/P：Neutral/Parking
ECU：Electronic control unit



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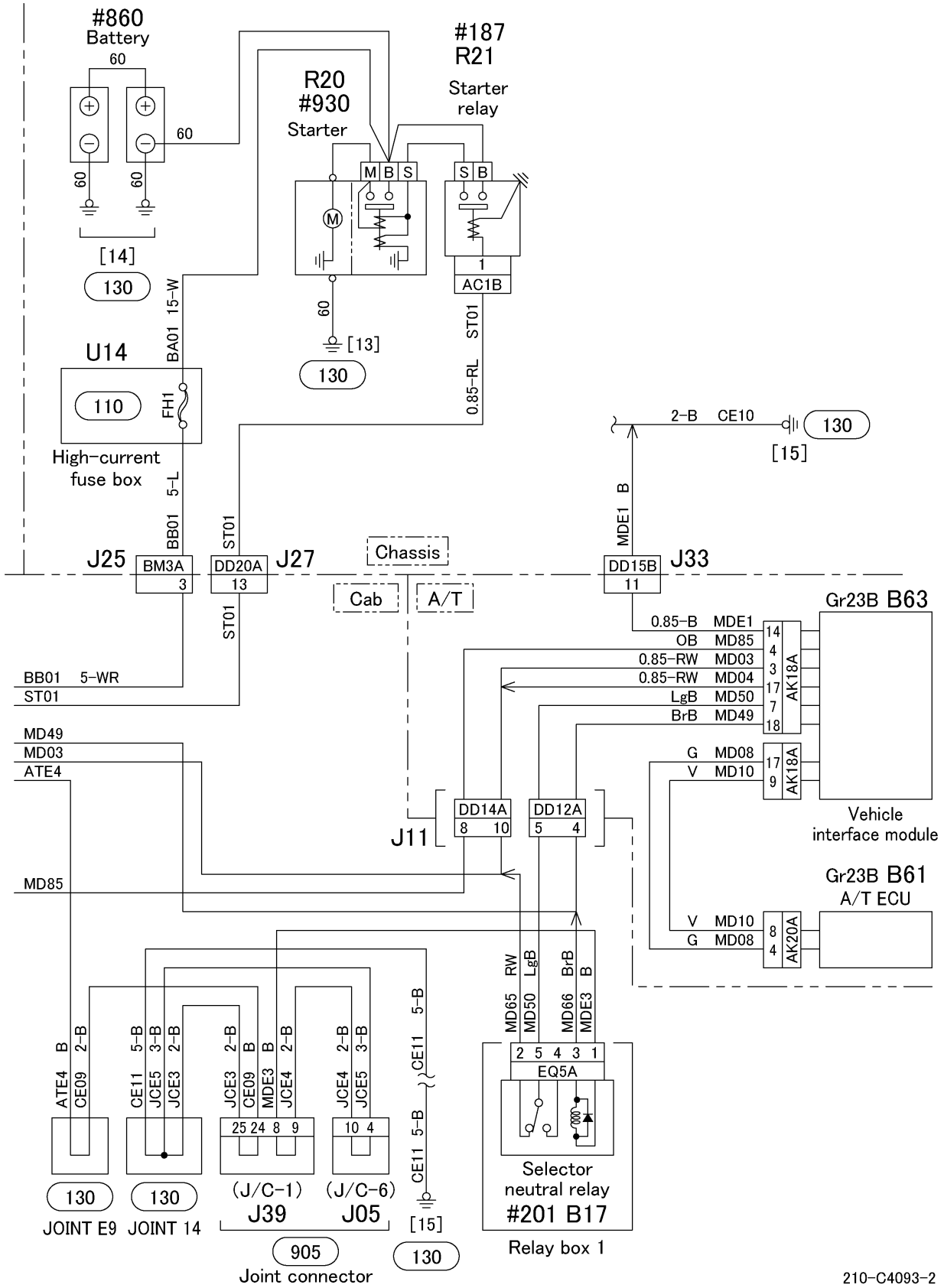

210-C4093-2

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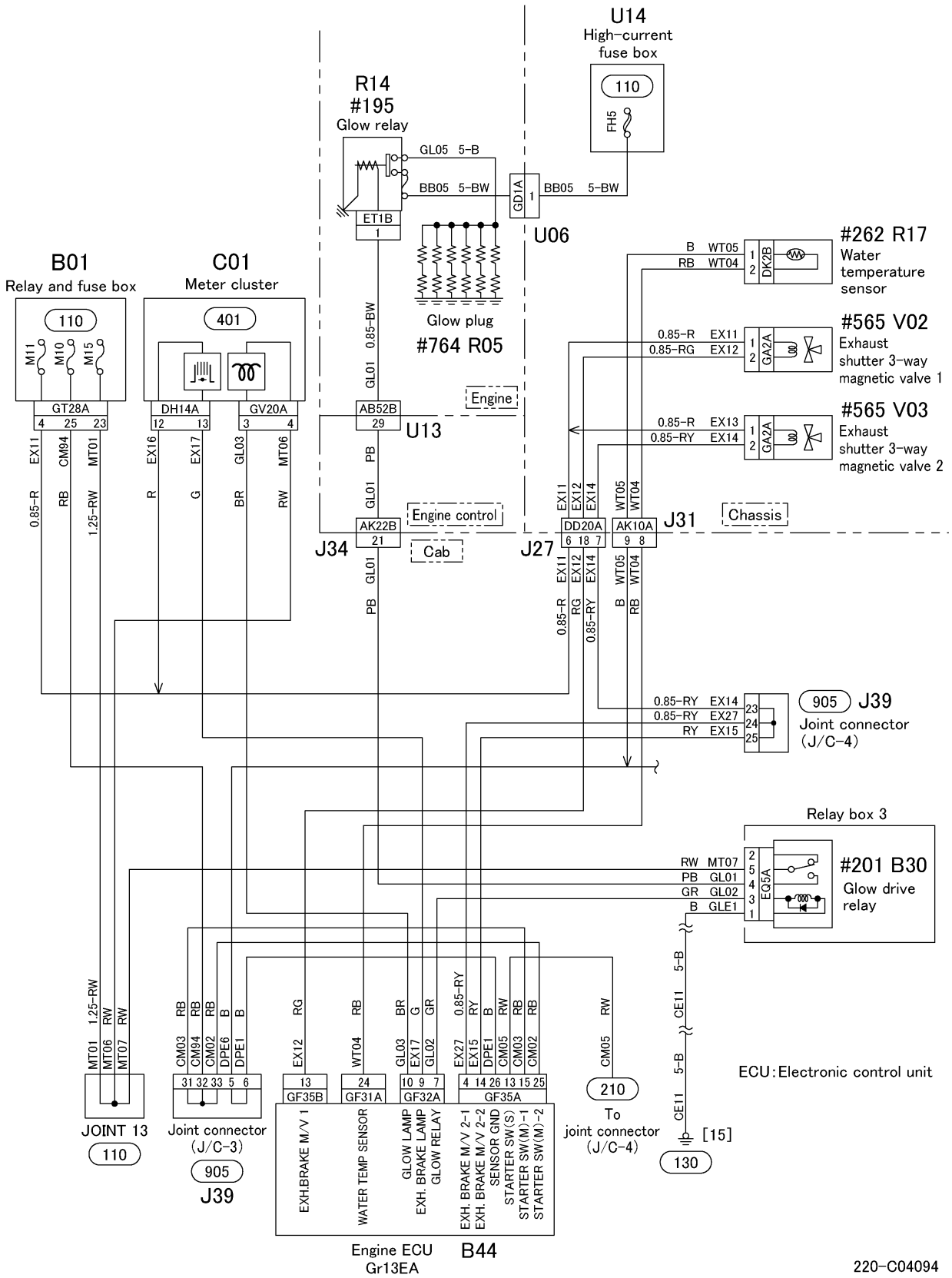

220-C04094

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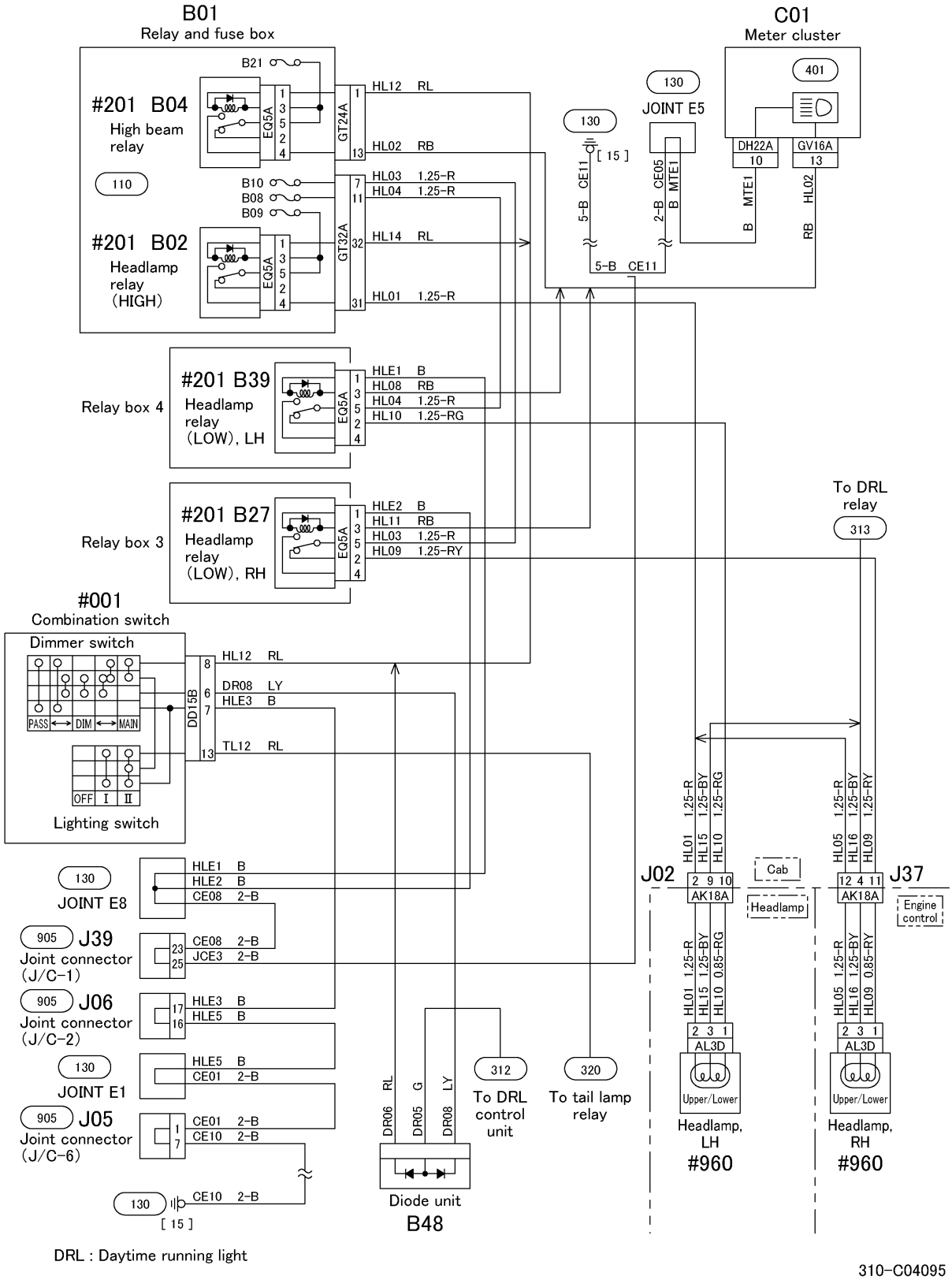

DRL : Daytime running light

310-C04095

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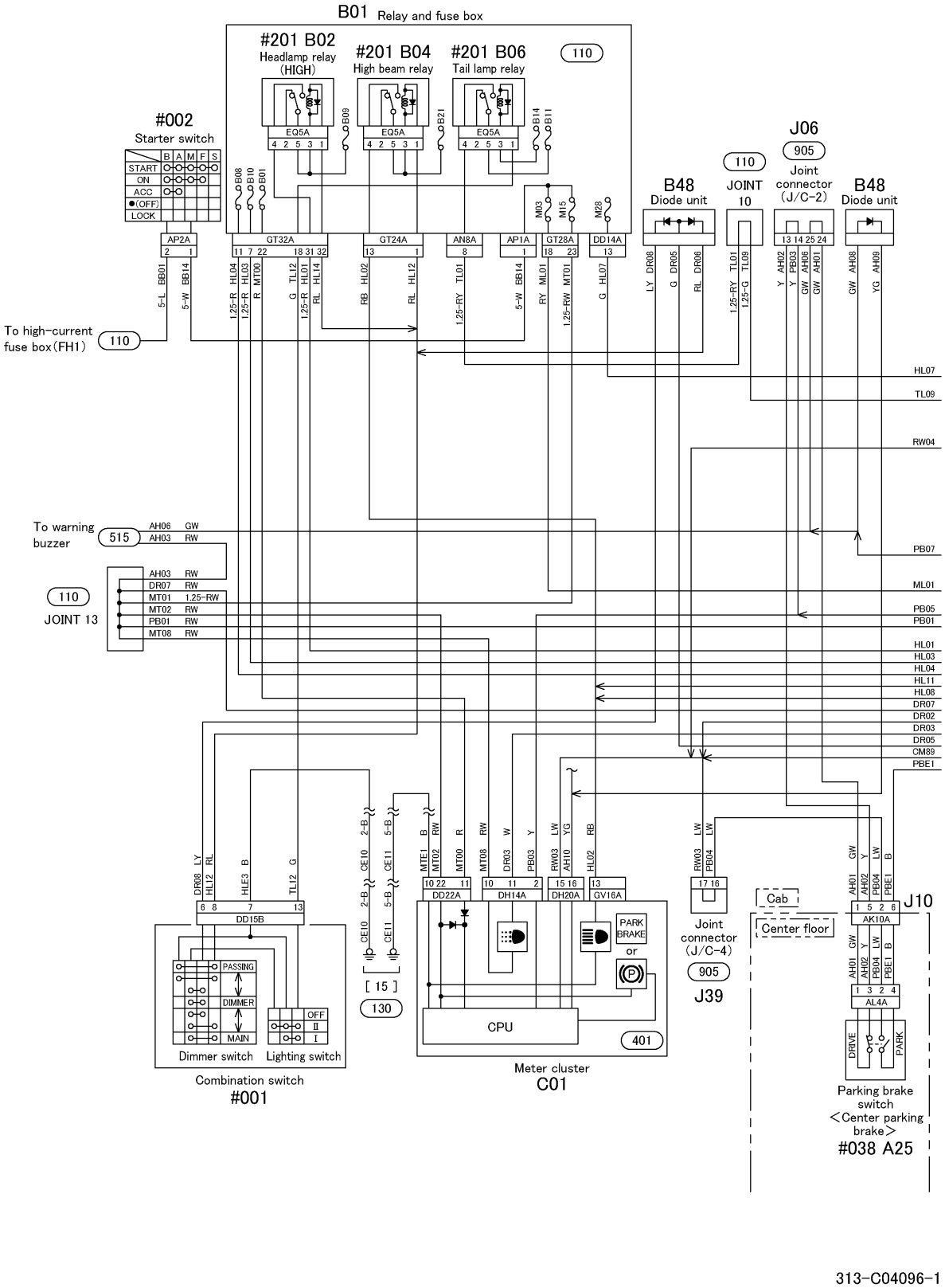
313 DAYTIME RUNNING LIGHT CIRCUIT



313-C04096-1

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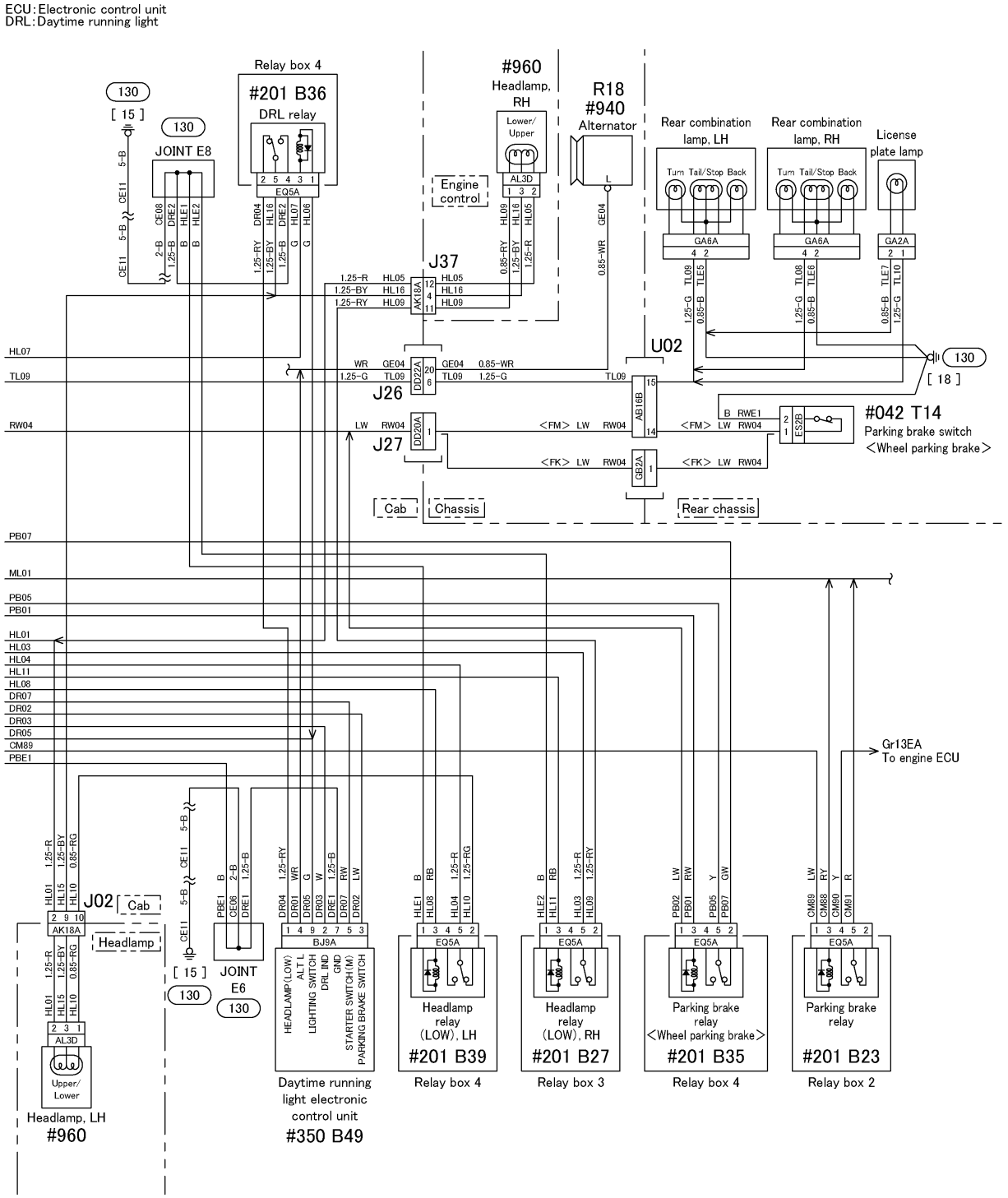
313 DAYTIME RUNNING LIGHT CIRCUIT



313-C04096-2

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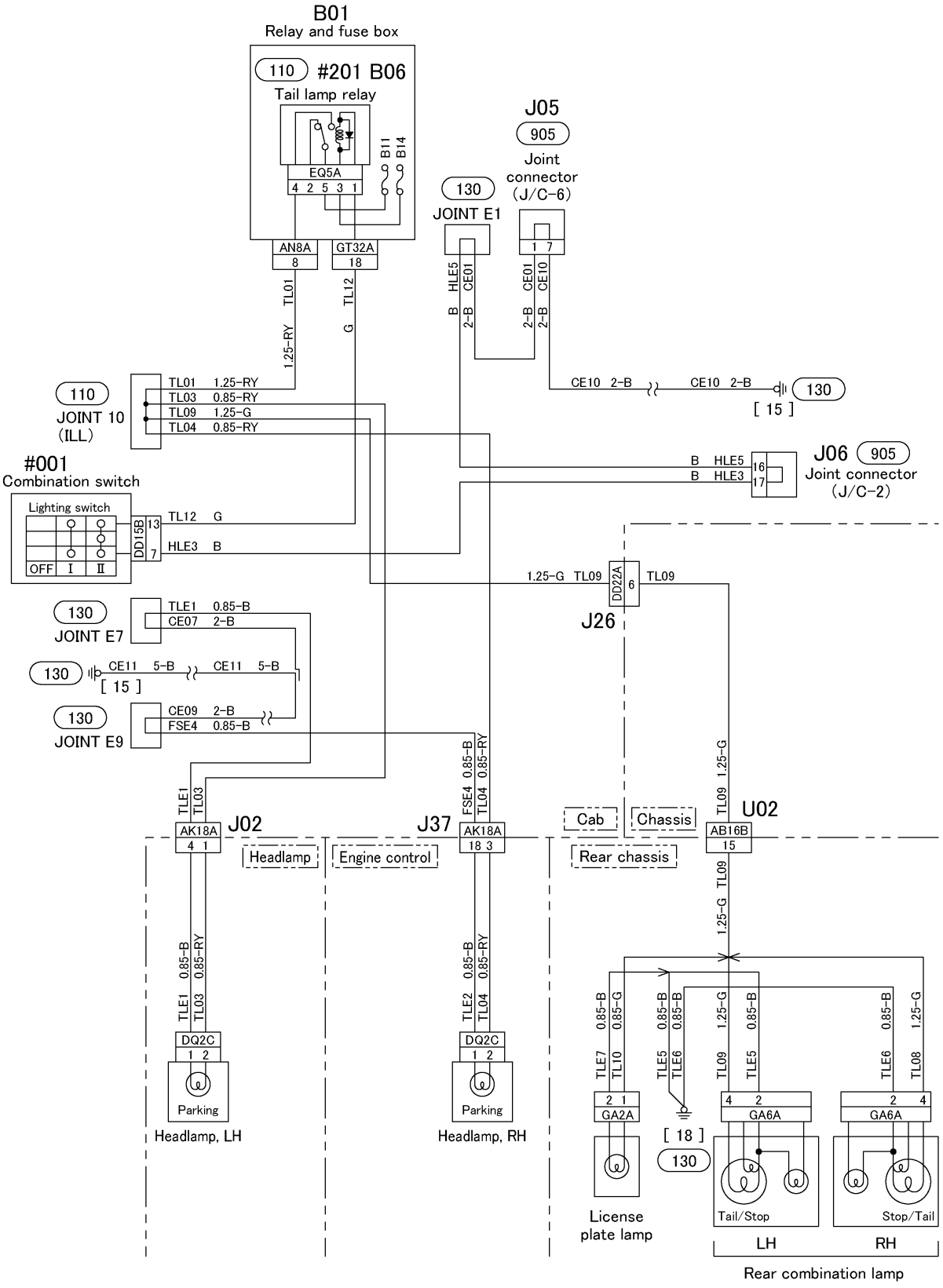

320-C04097

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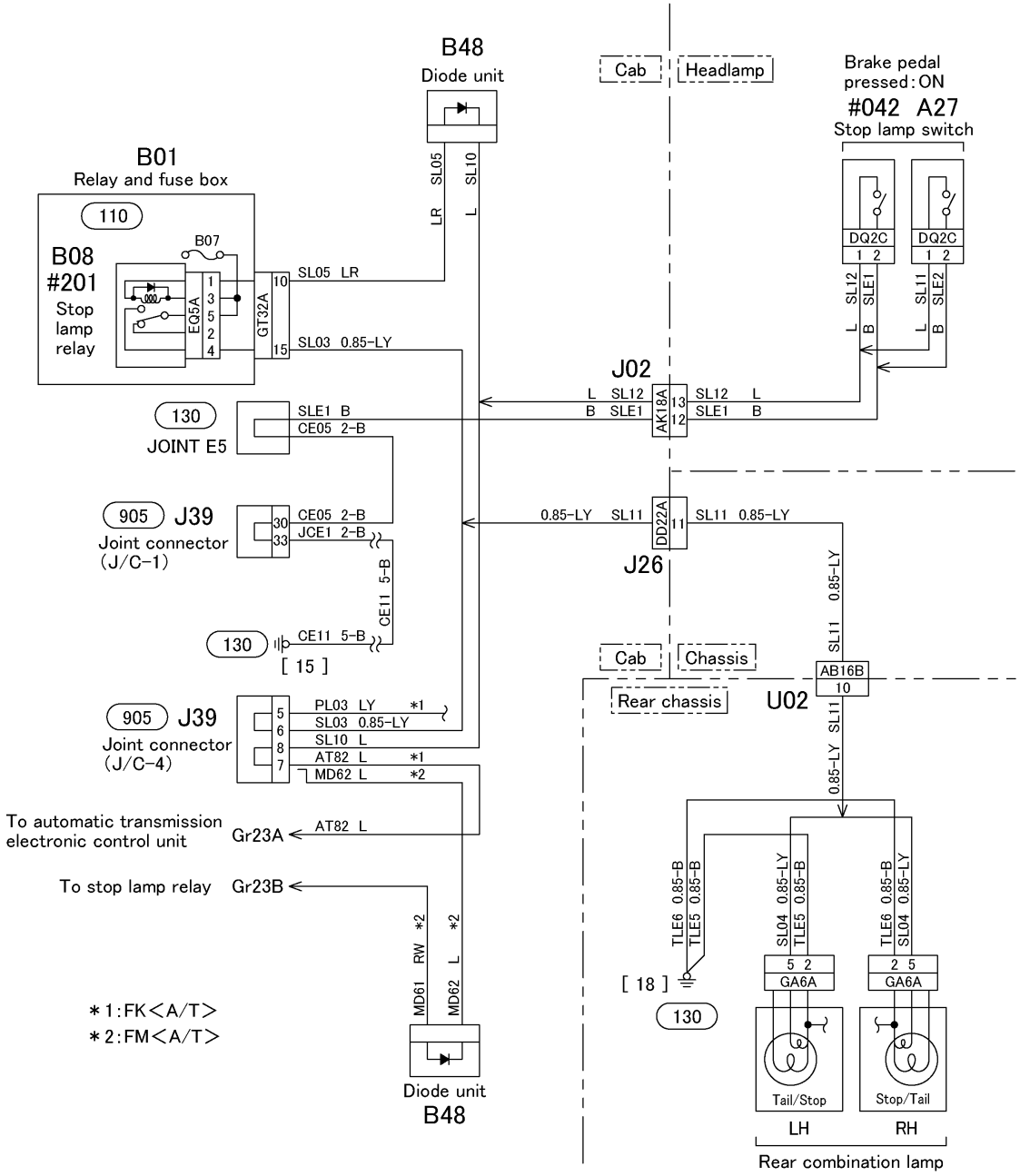

325-C04098

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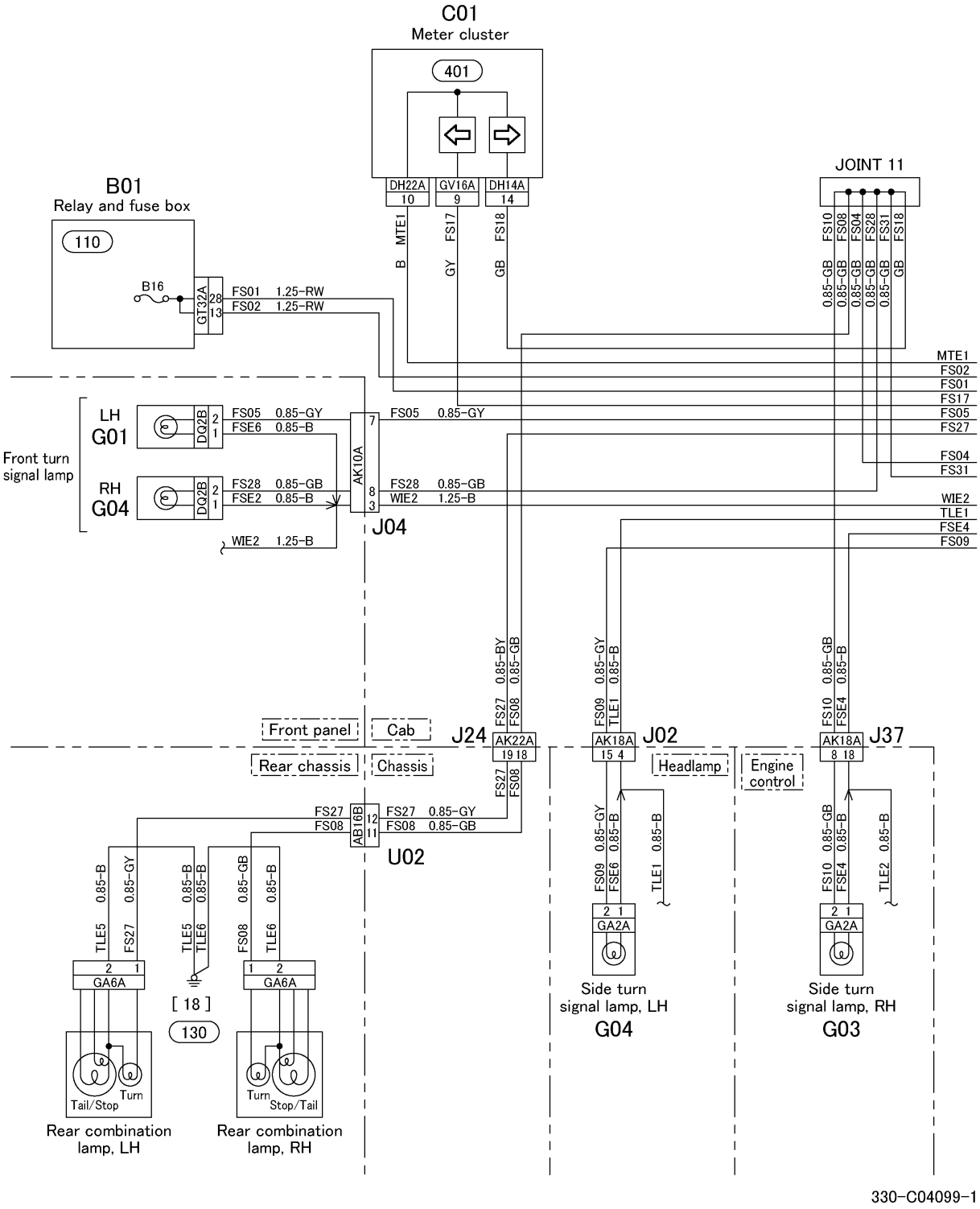

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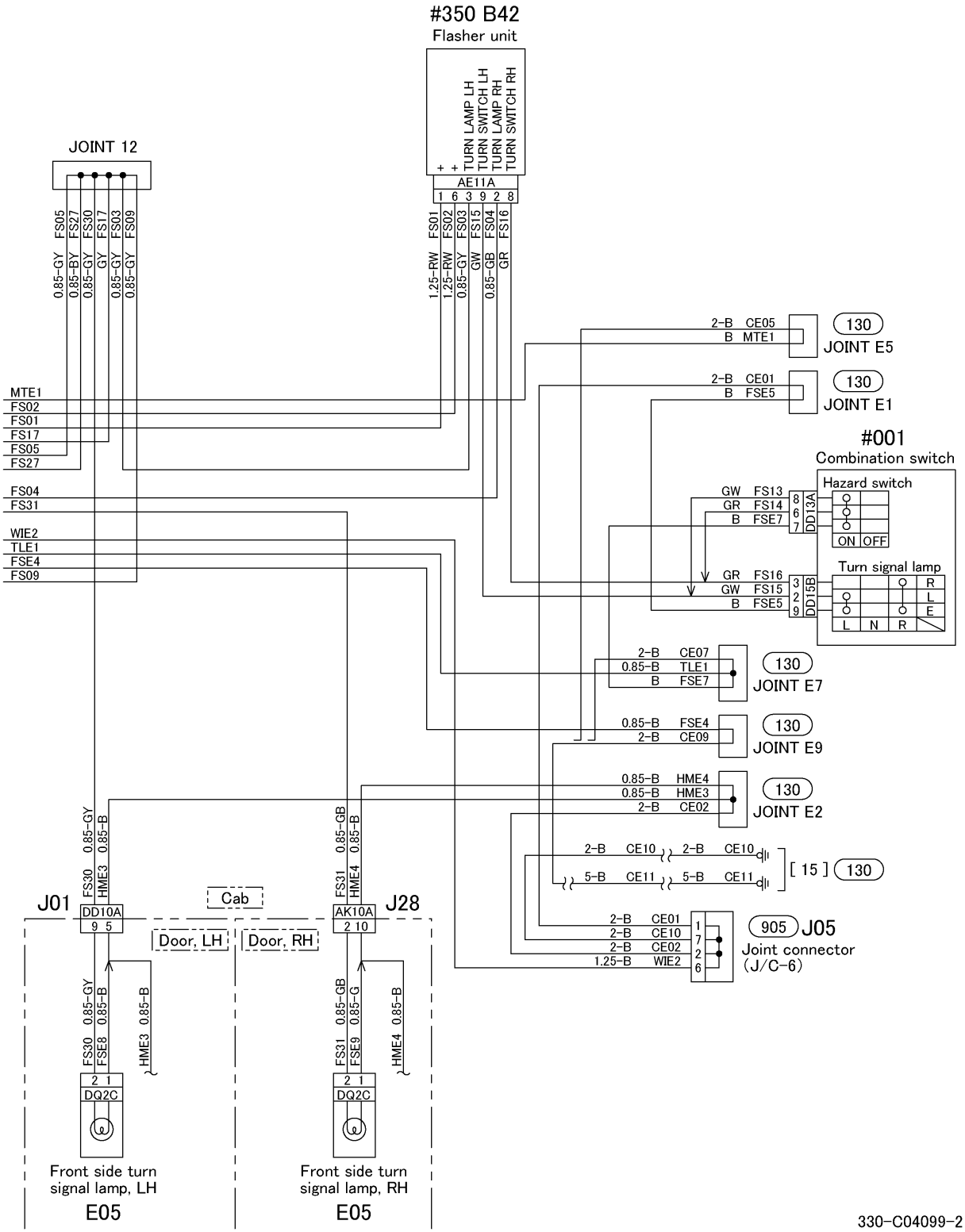

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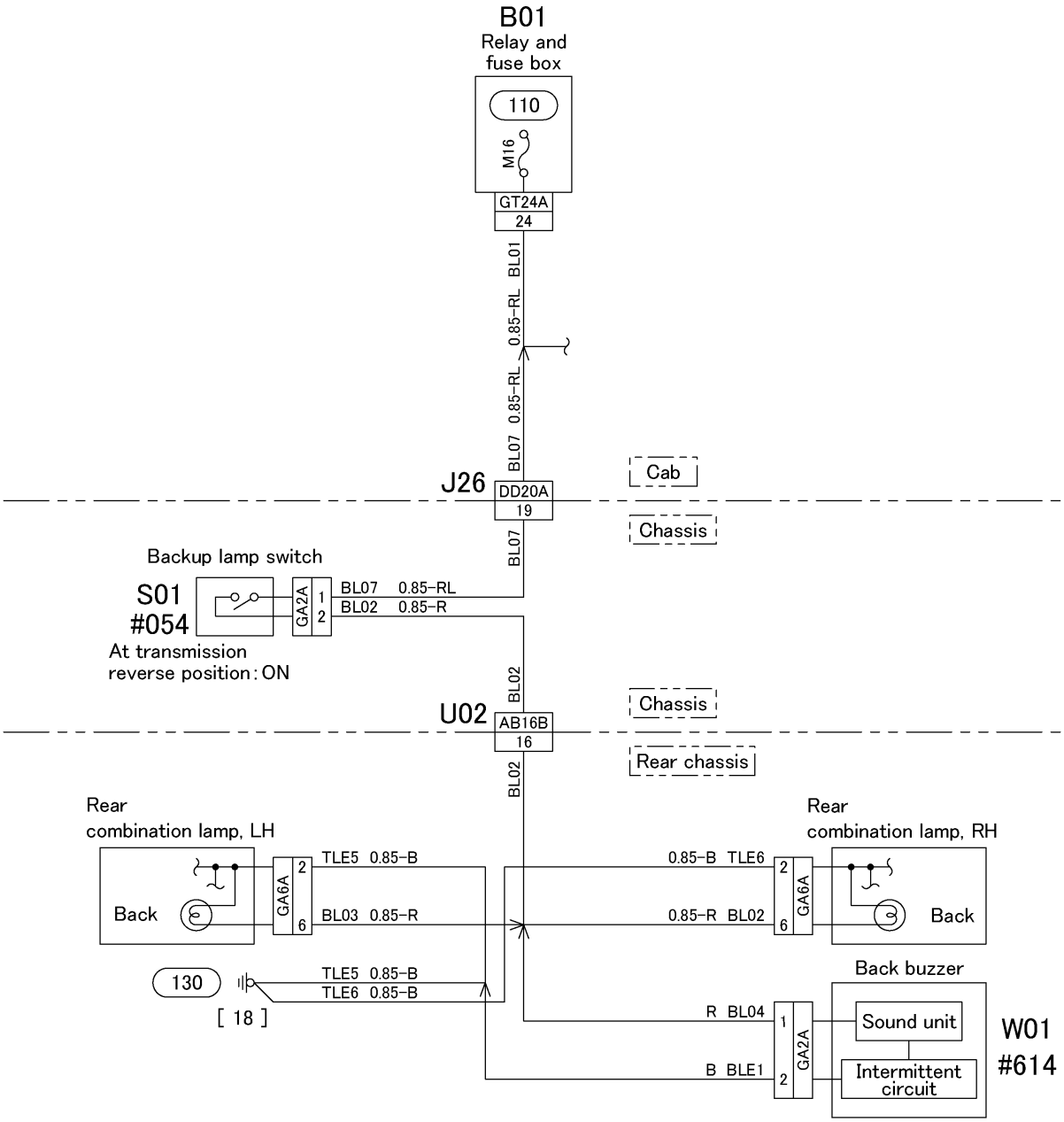
＜Manual transmission＞



340-C04100

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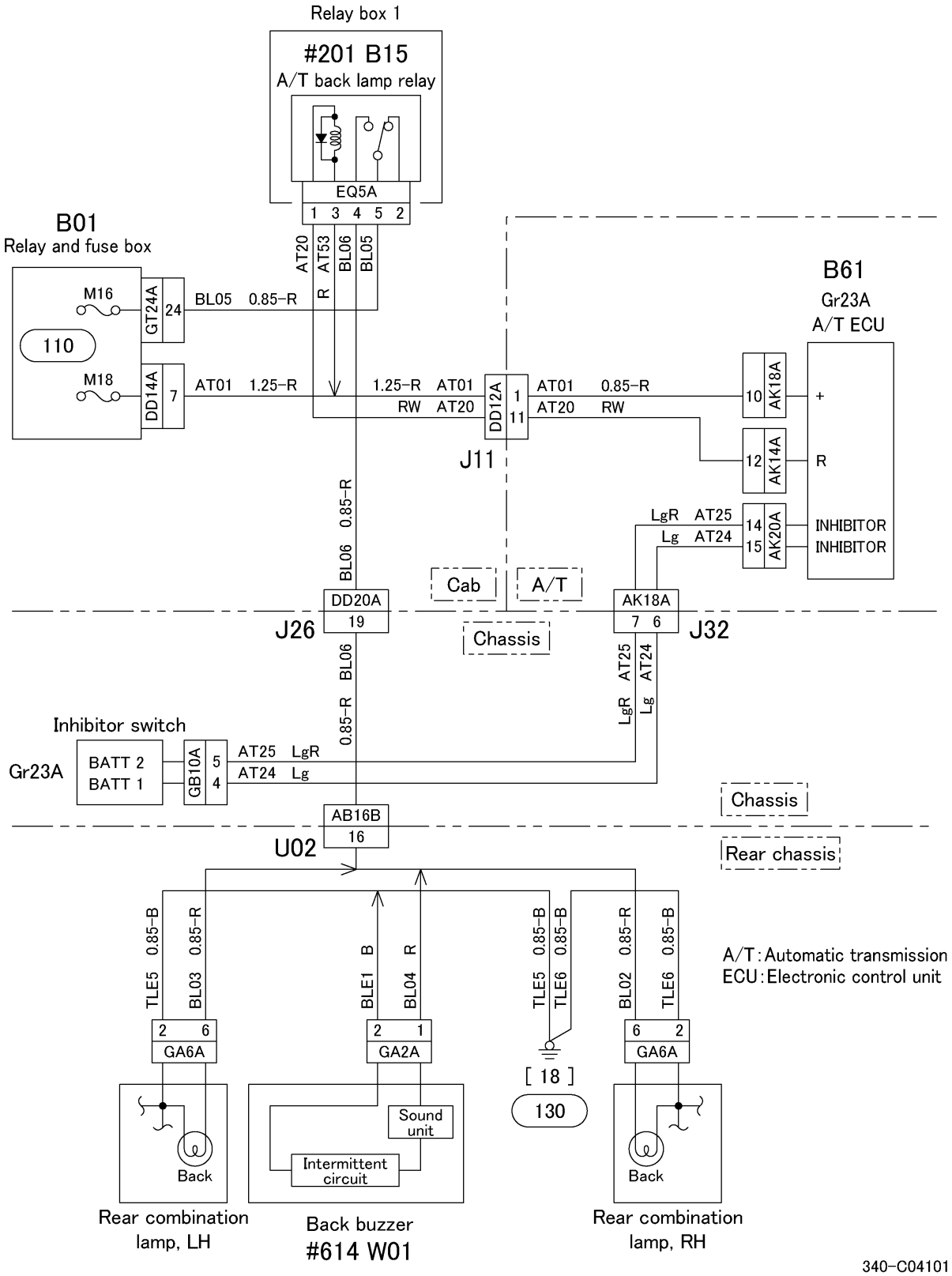
<Automatic transmission (FK)>



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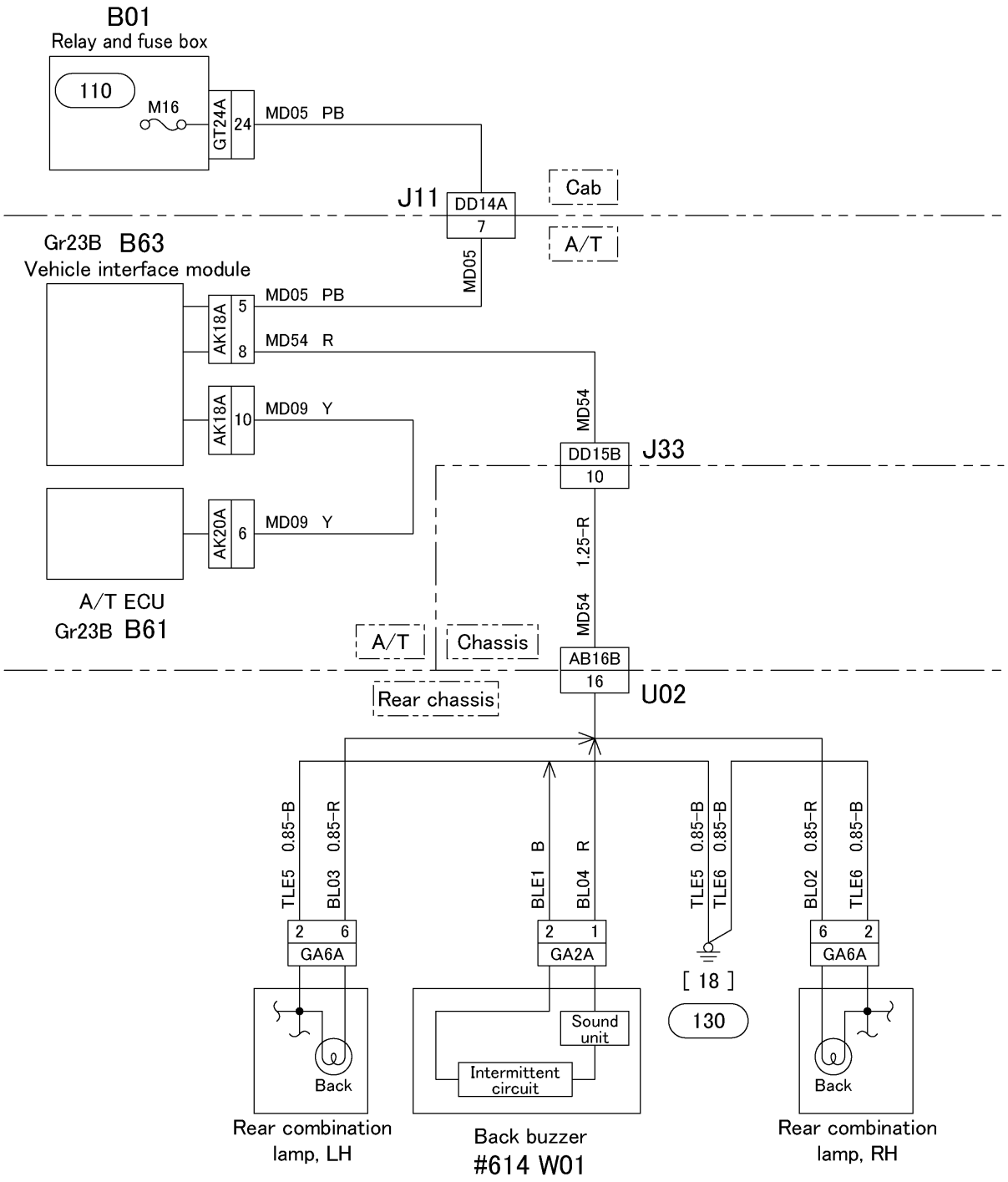
<Automatic transmission (FM)>



A/T: Automatic transmission
ECU: Electronic control unit

340-C04102

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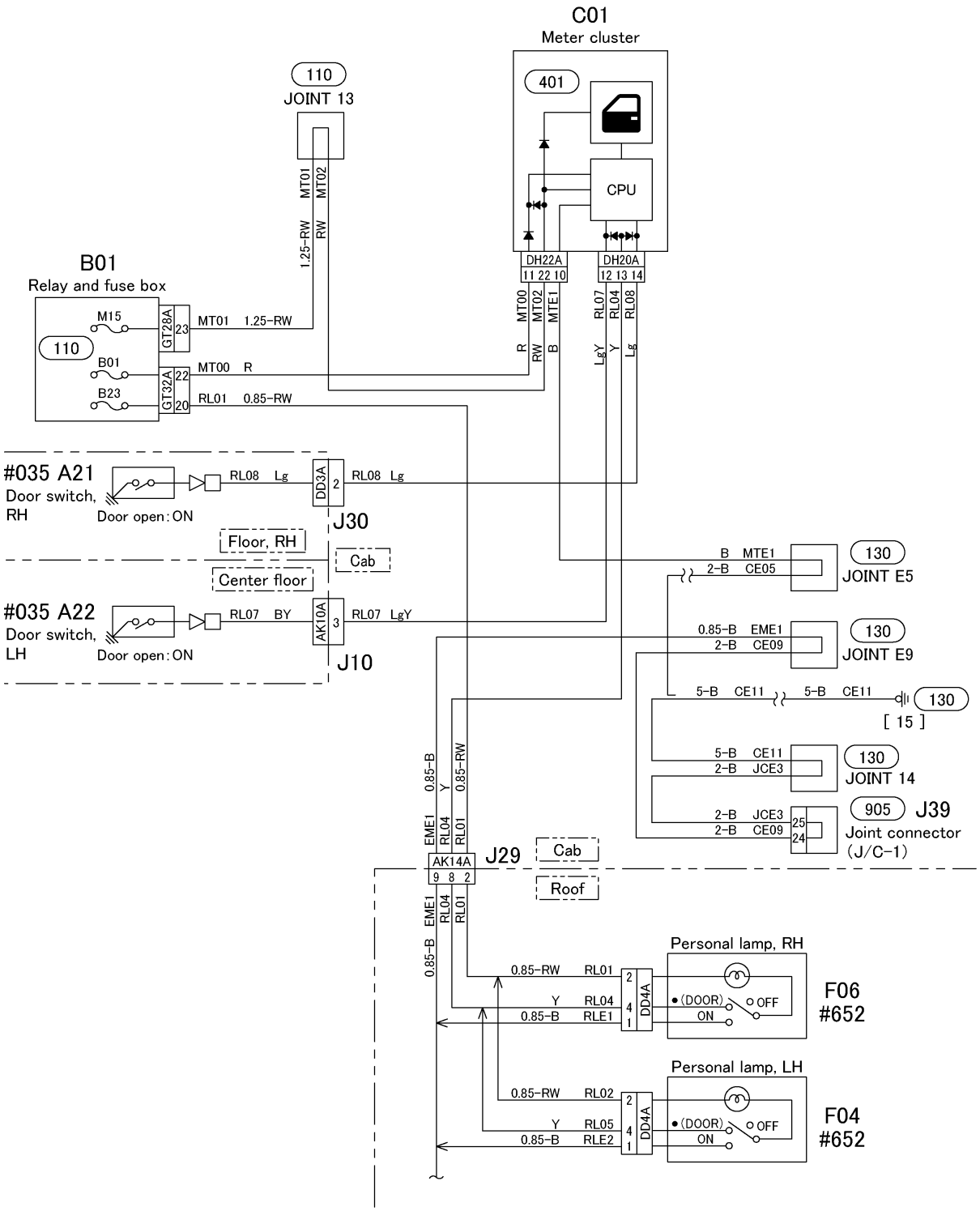

345-C04103

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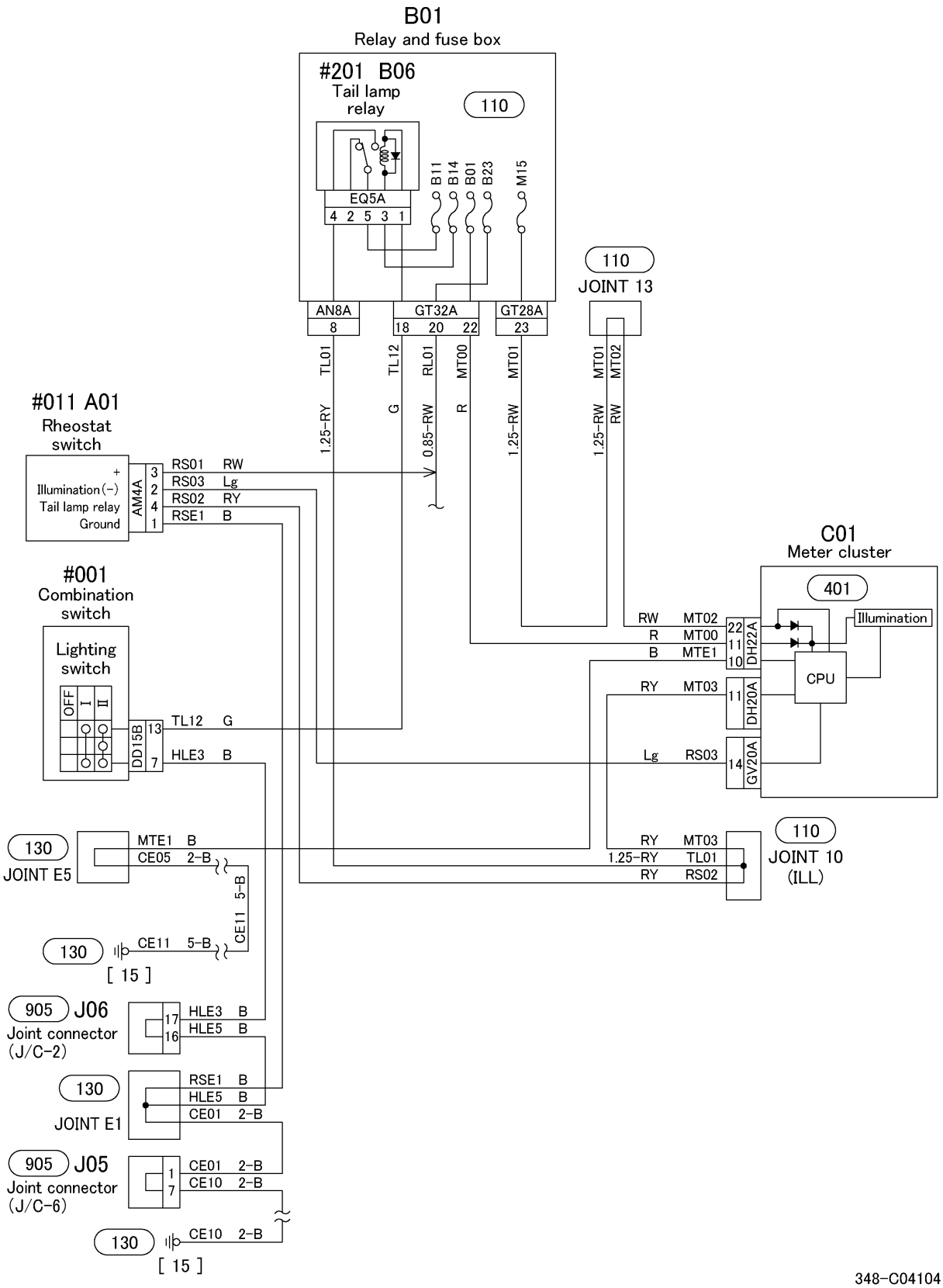
348 ILLUMINATION LAMP CIRCUIT



348-C04104

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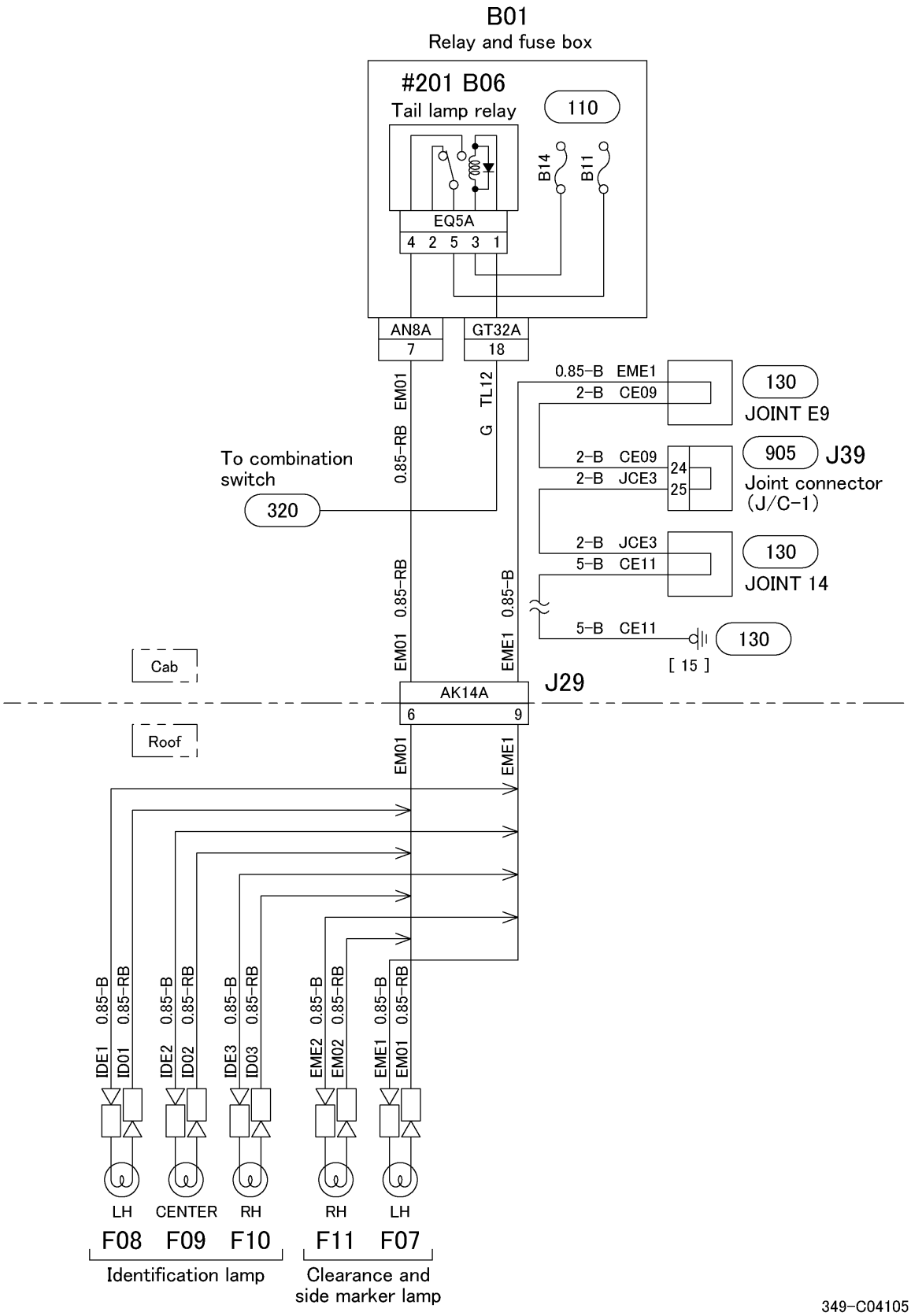

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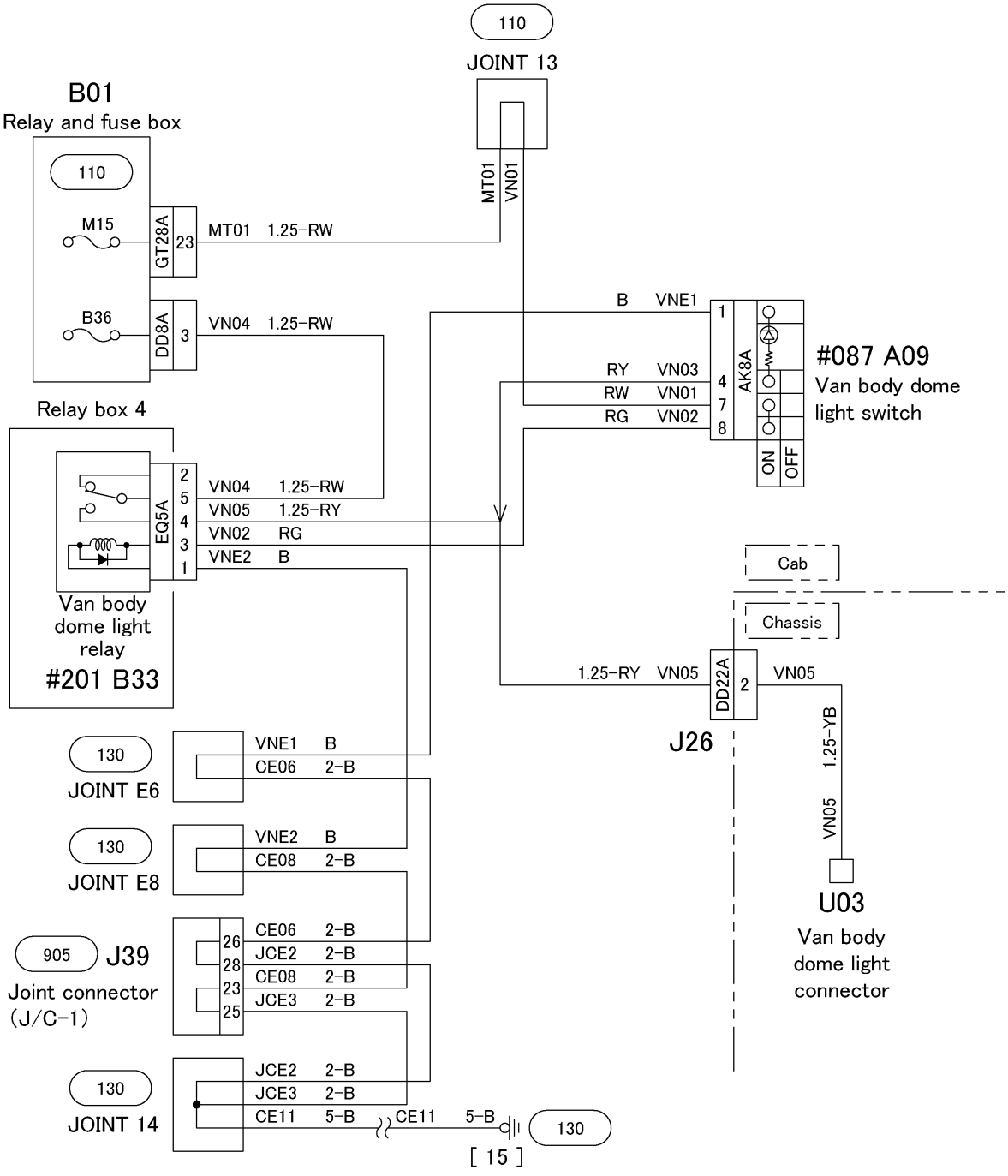
352 VAN BODY DOME LIGHT CIRCUIT



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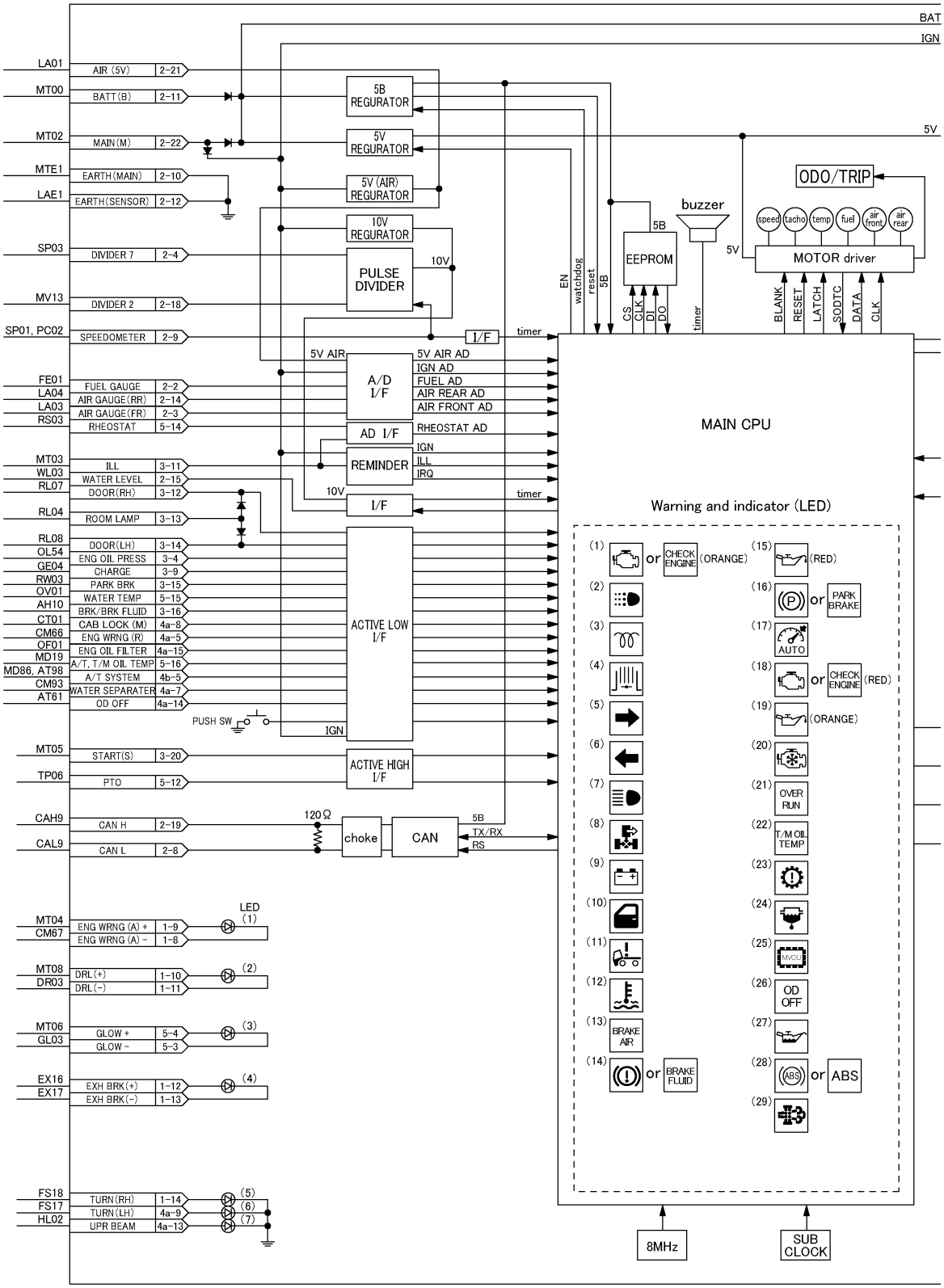
21.4 METER CIRCUIT

(401) METER CLUSTER INTERNAL CIRCUIT



401-C04107-1

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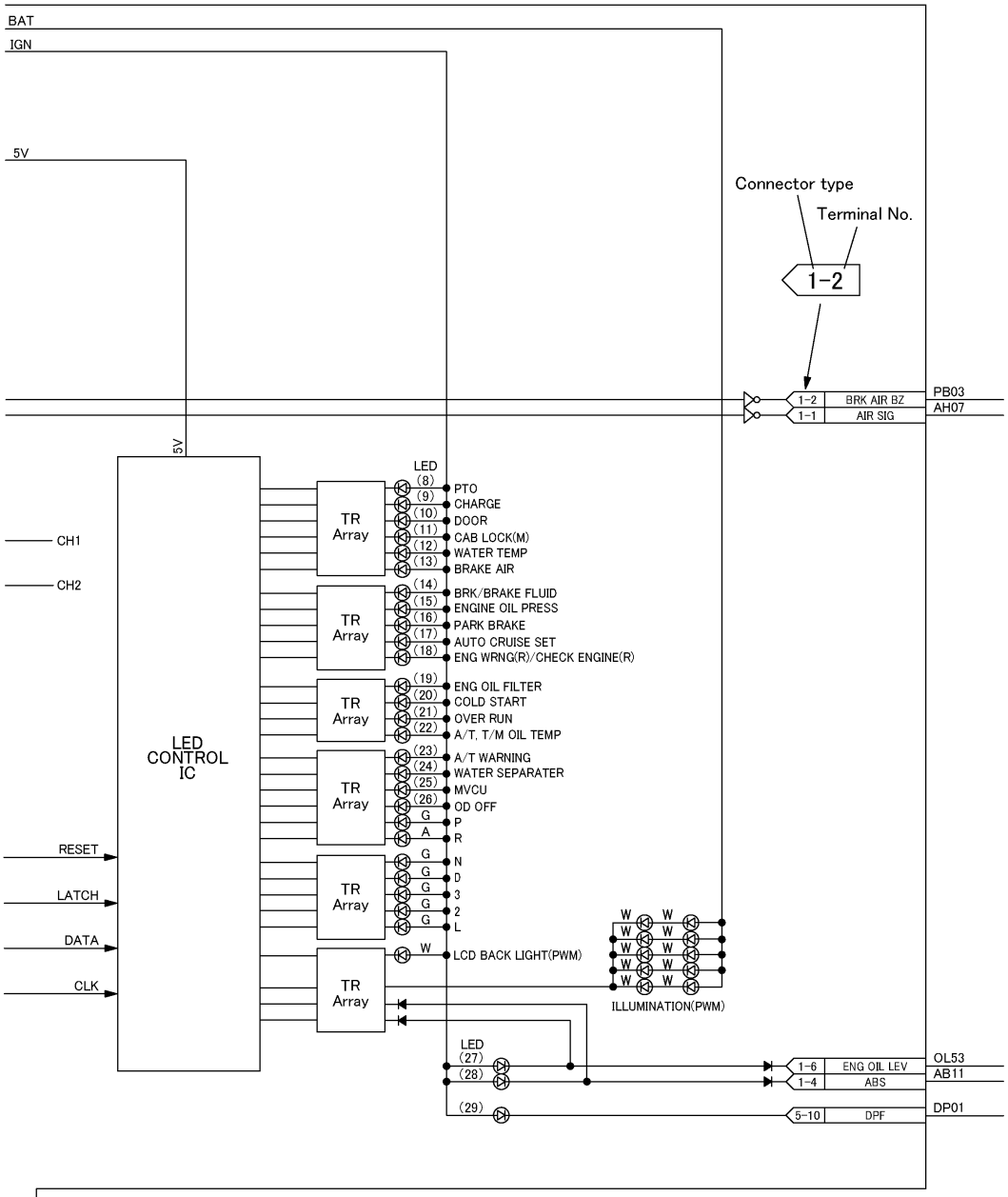
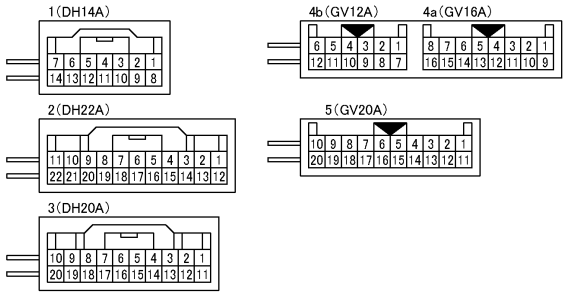
401 METER CLUSTER INTERNAL CIRCUIT



Meter cluster side connector



401-C04107-2

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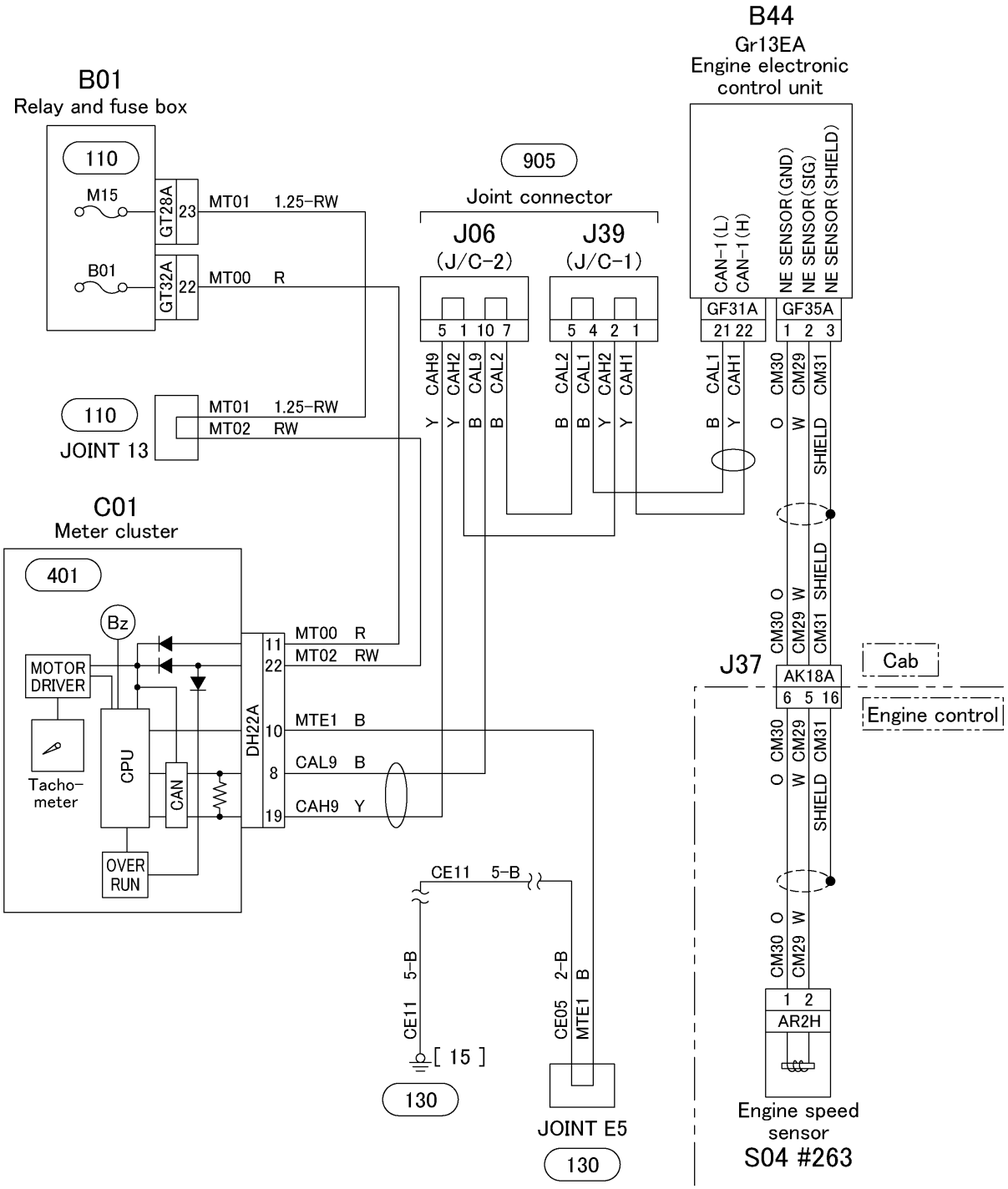

410-C04108

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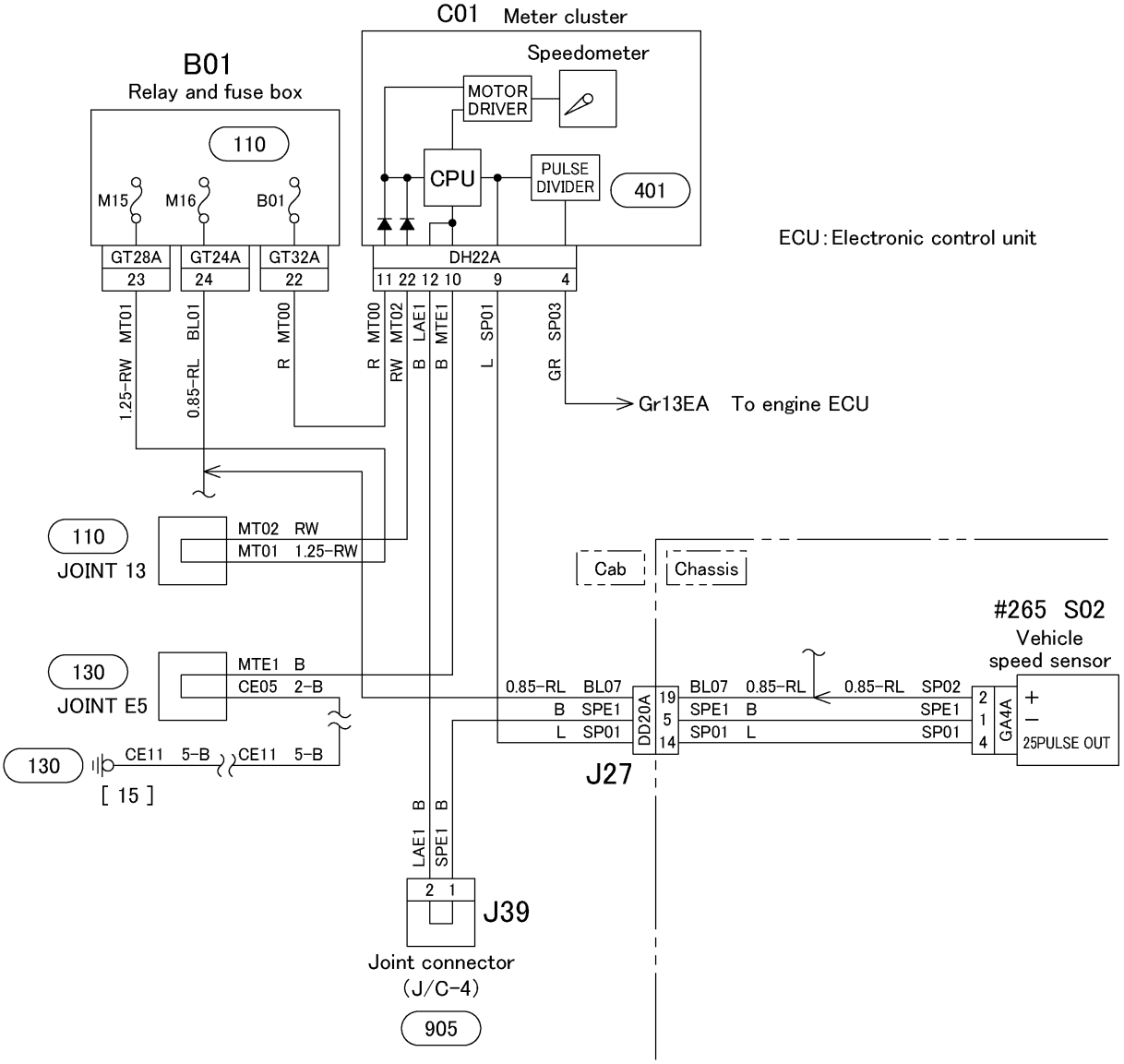
＜Manual transmission＞



412-C04109

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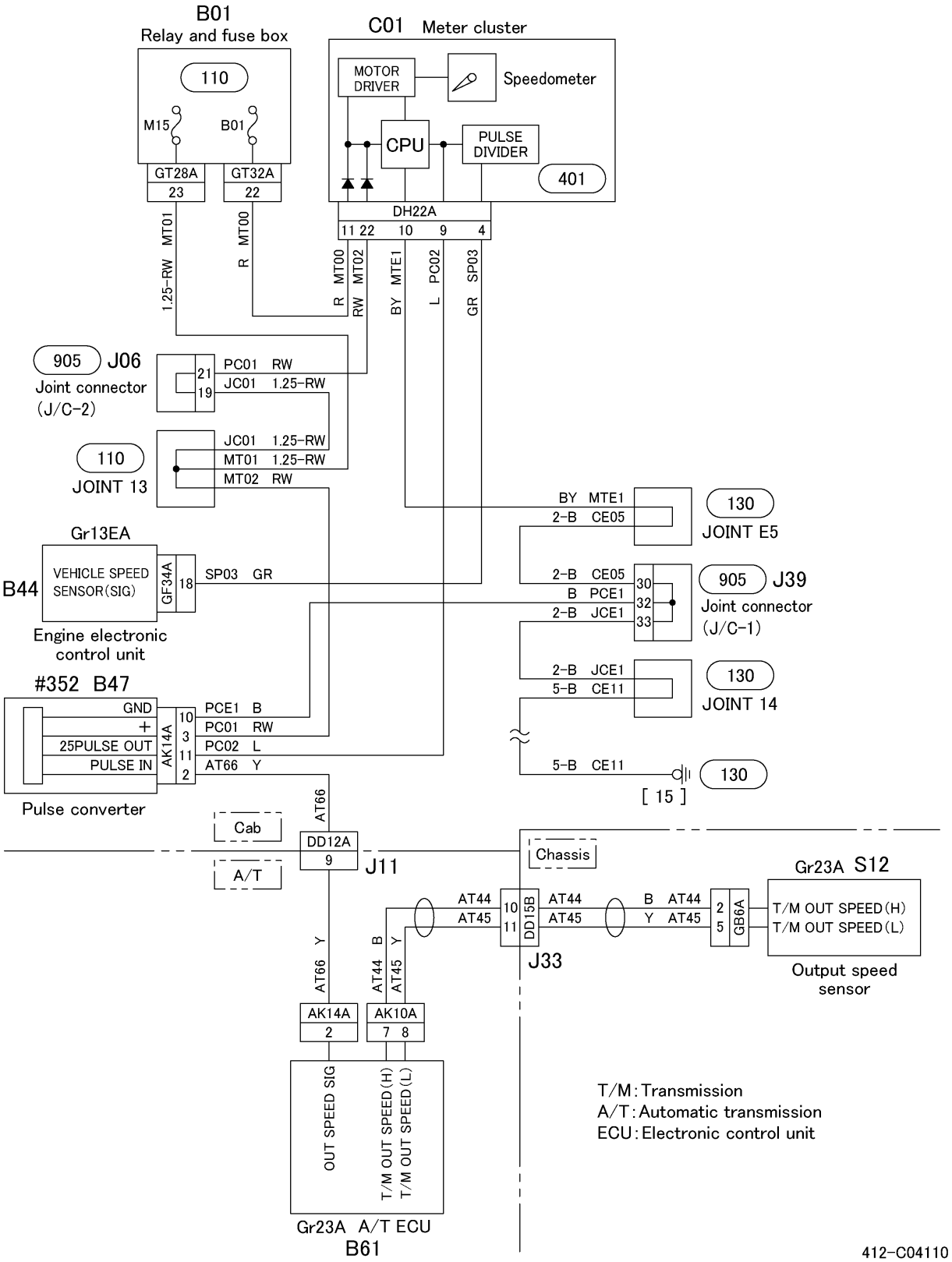
<Automatic transmission (FK)>



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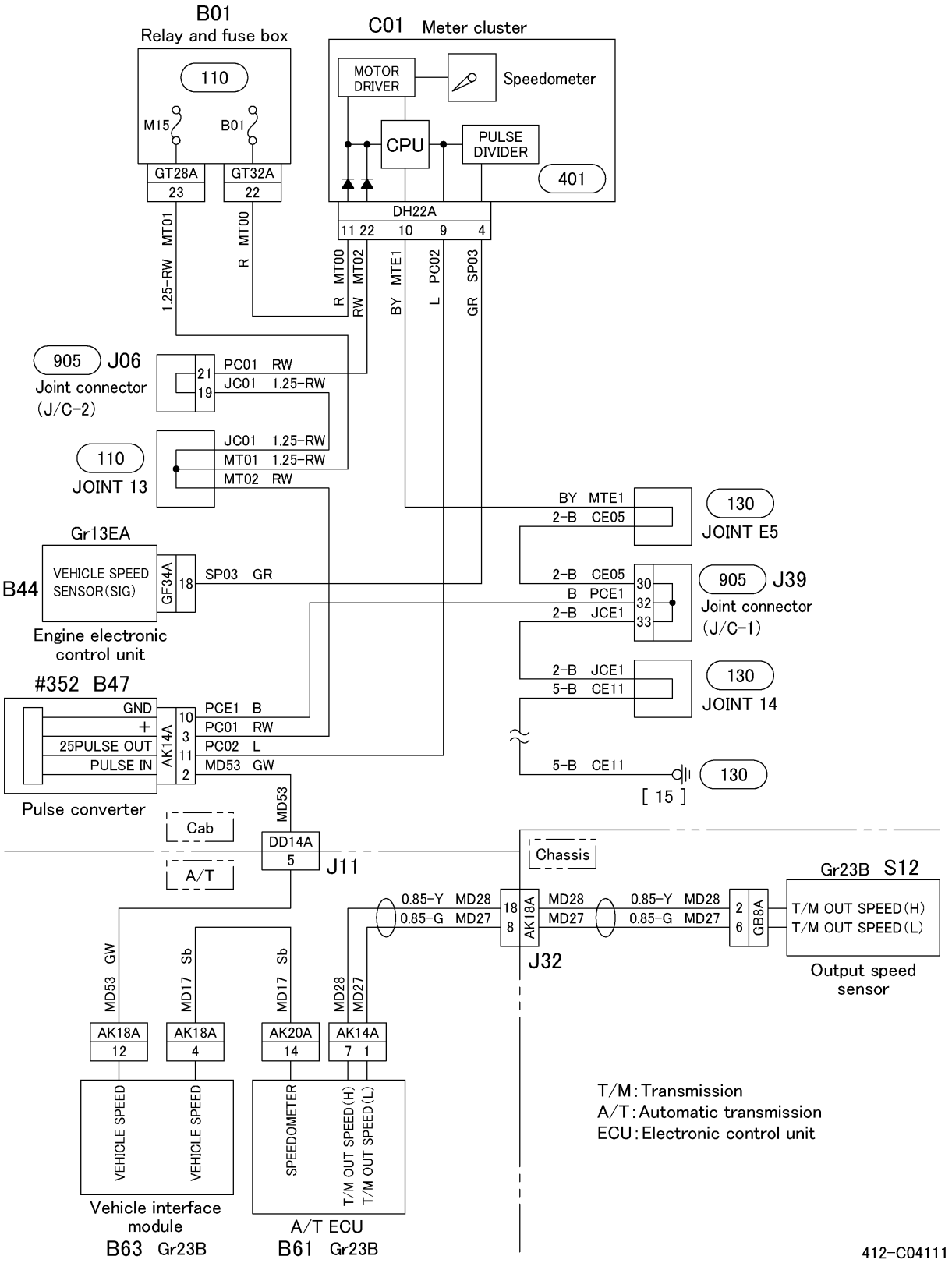
<Automatic transmission (FM)>



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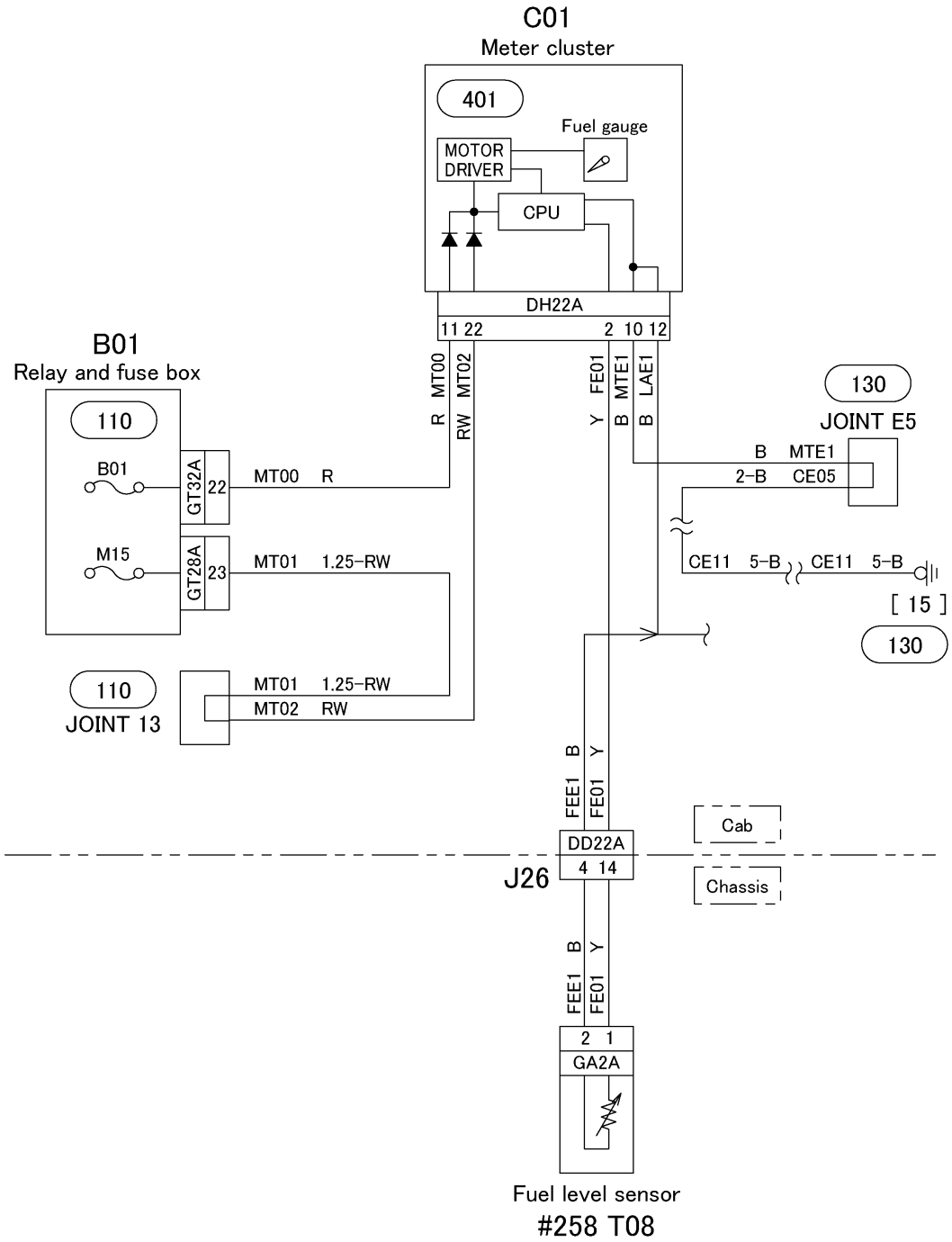

420-C04112

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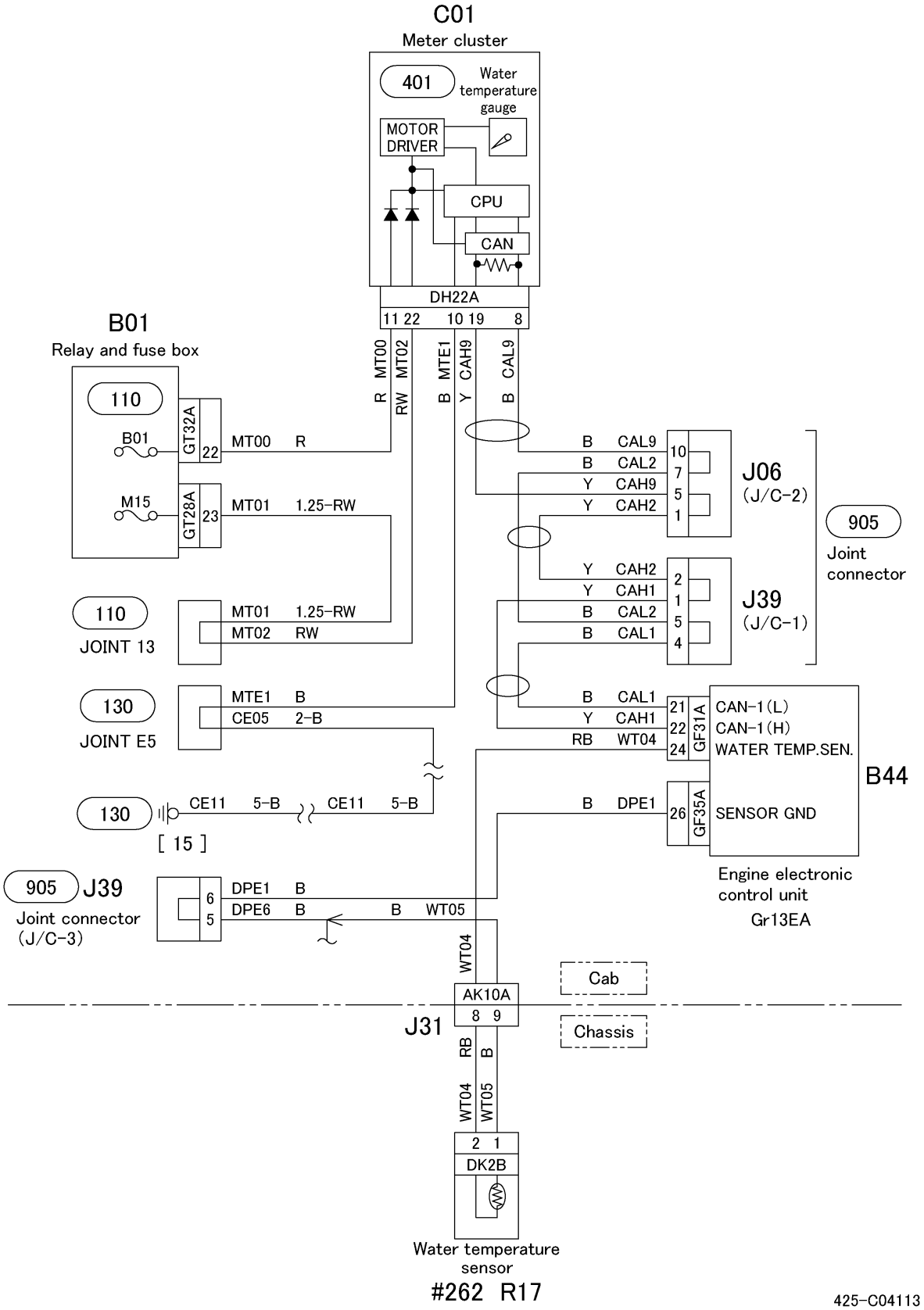
425 WATER TEMPERATURE GAUGE CIRCUIT



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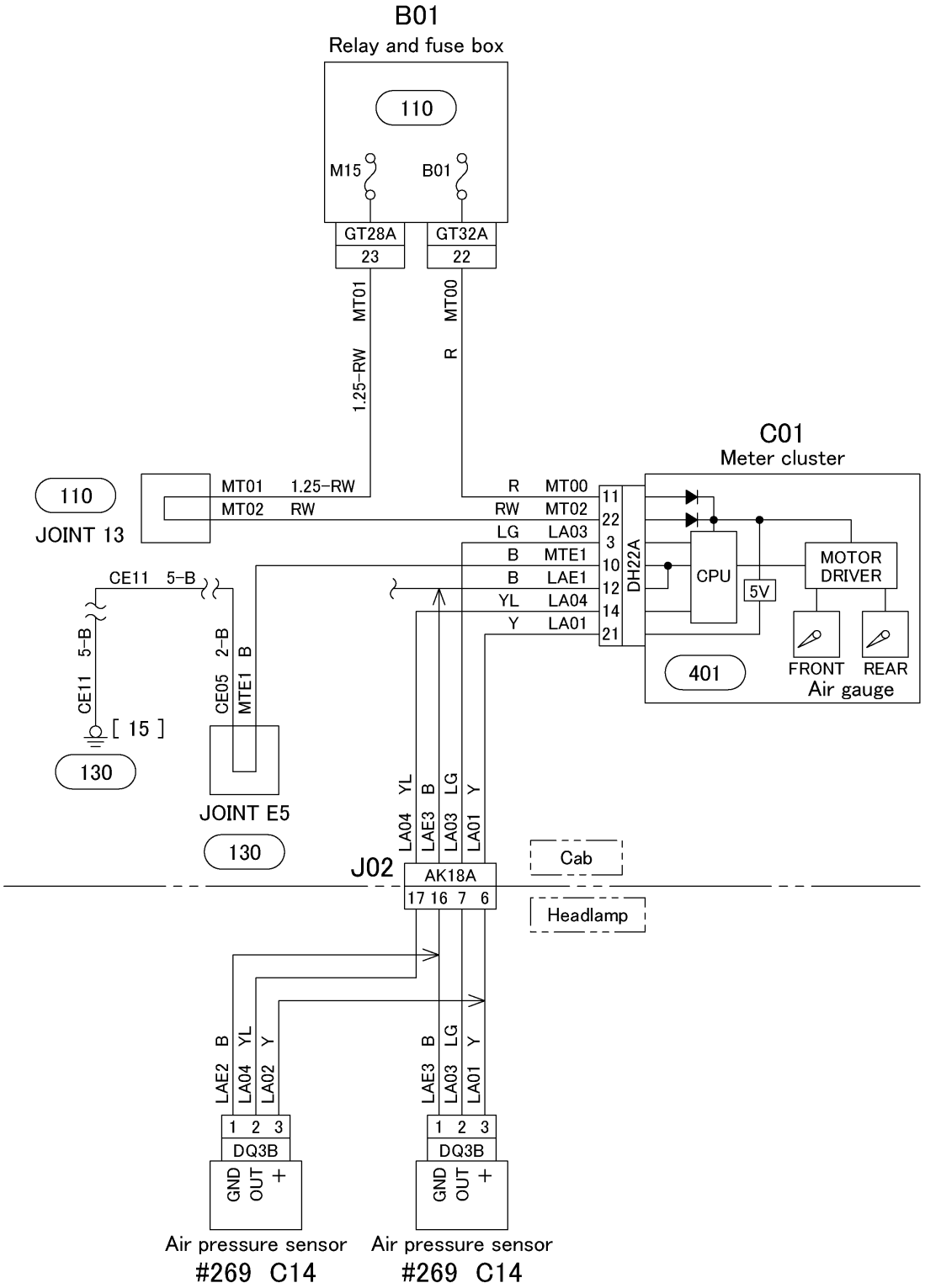

436-C04114

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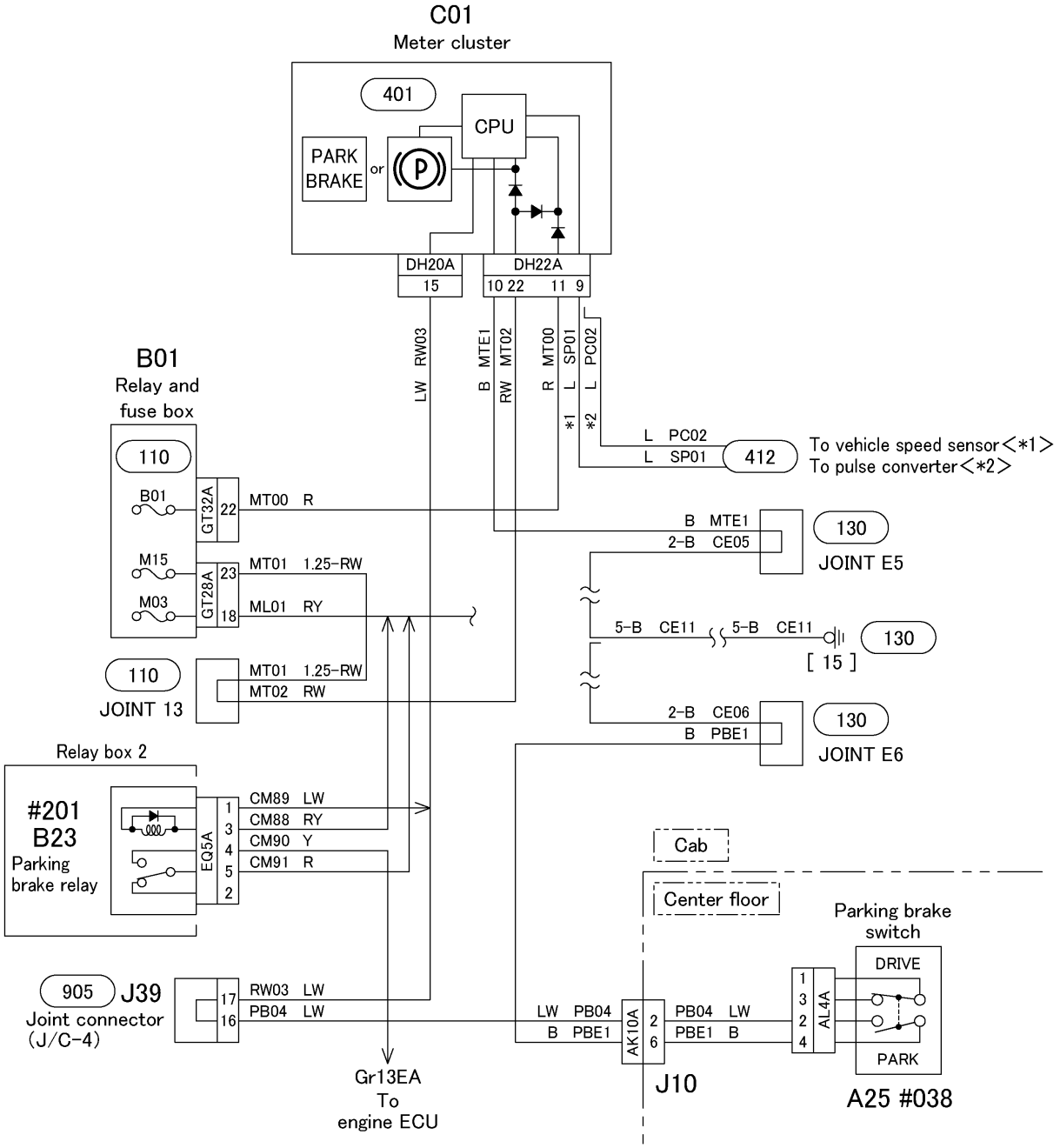
510 PARKING BRAKE INDICATOR CIRCUIT

＜Center parking brake＞



＊1：Manual transmission
＊2：Automatic transmission

ECU：Electronic control unit

510-C04115

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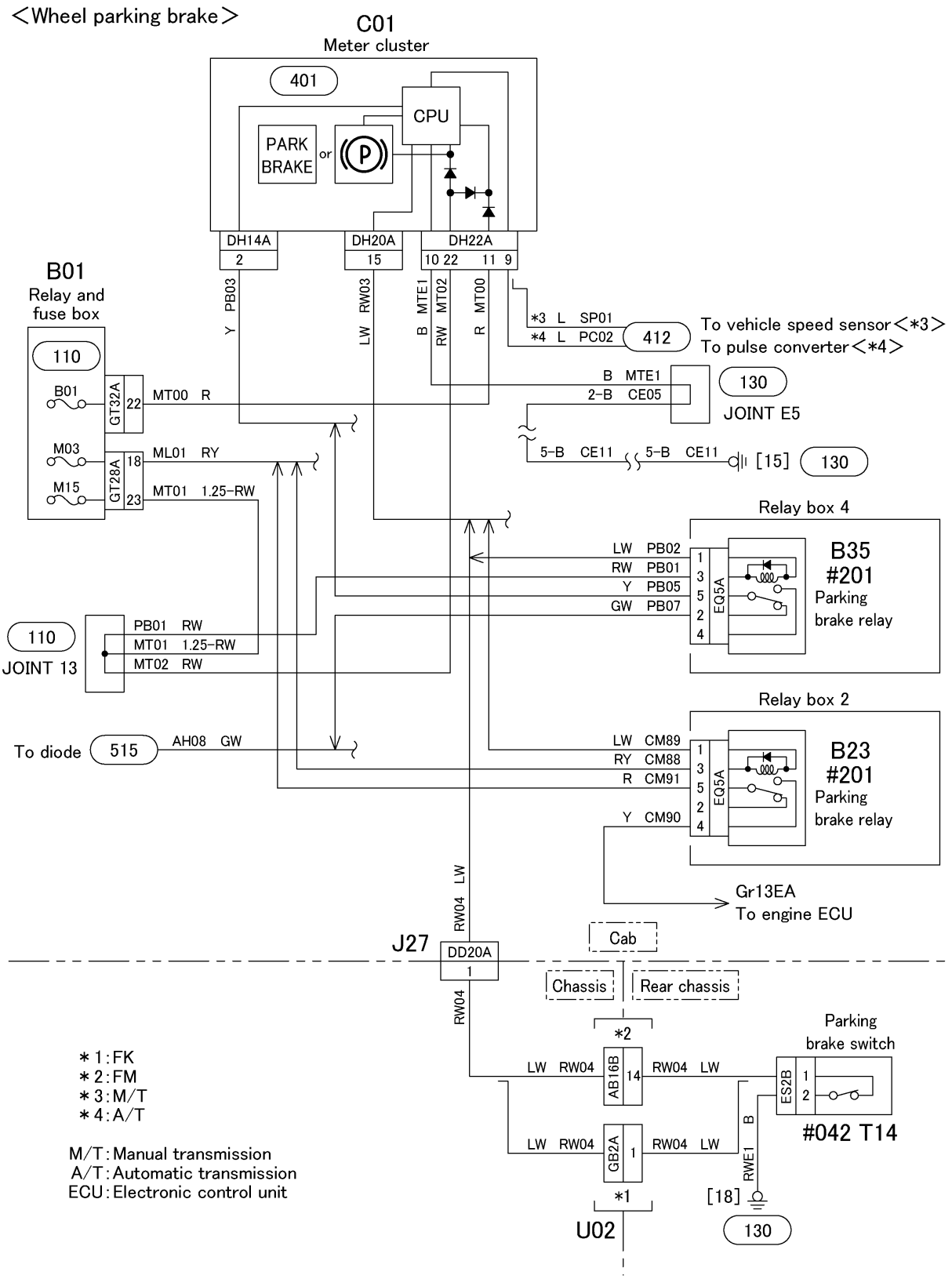
510 PARKING BRAKE INDICATOR CIRCUIT



510-C04116

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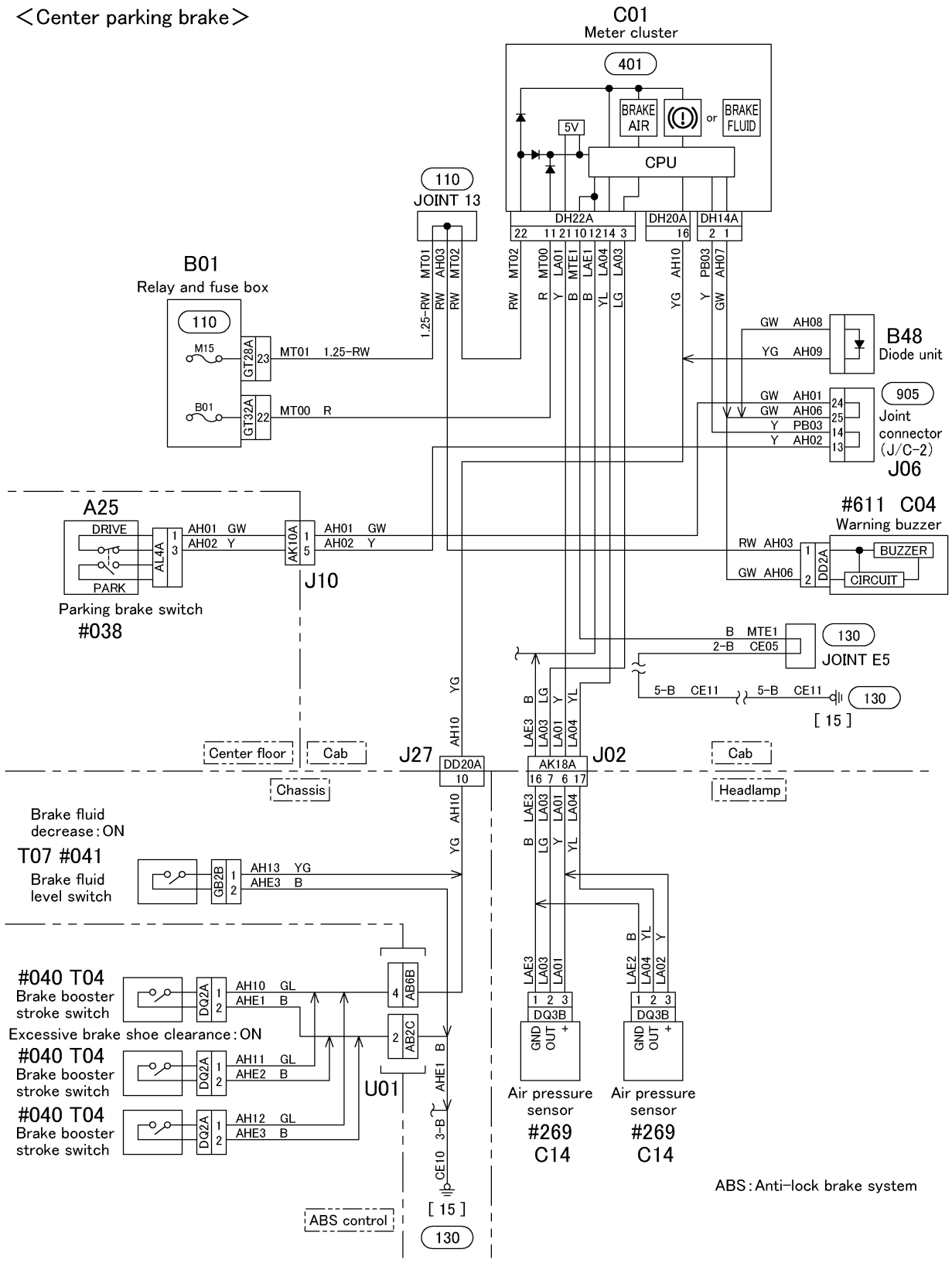

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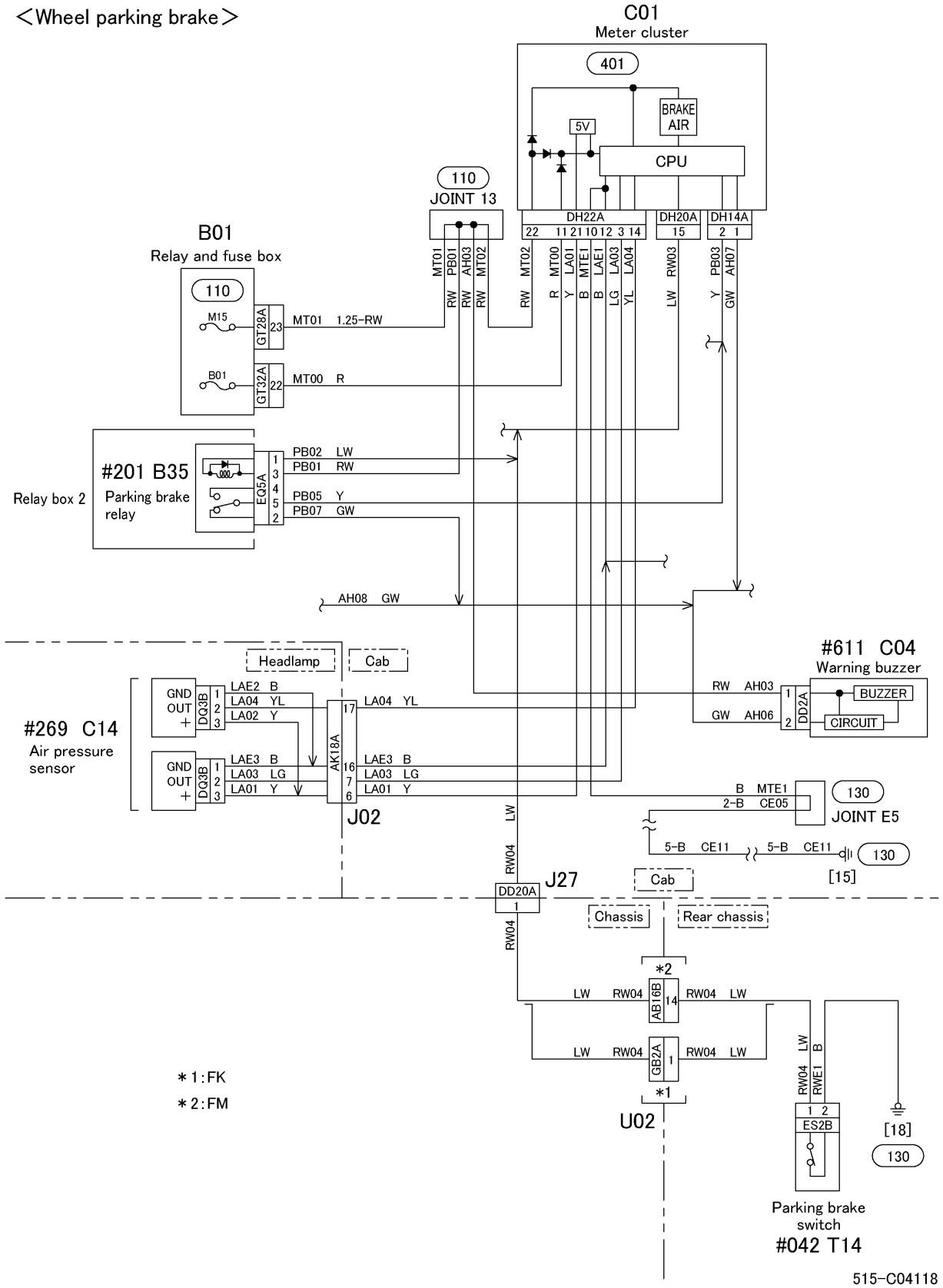

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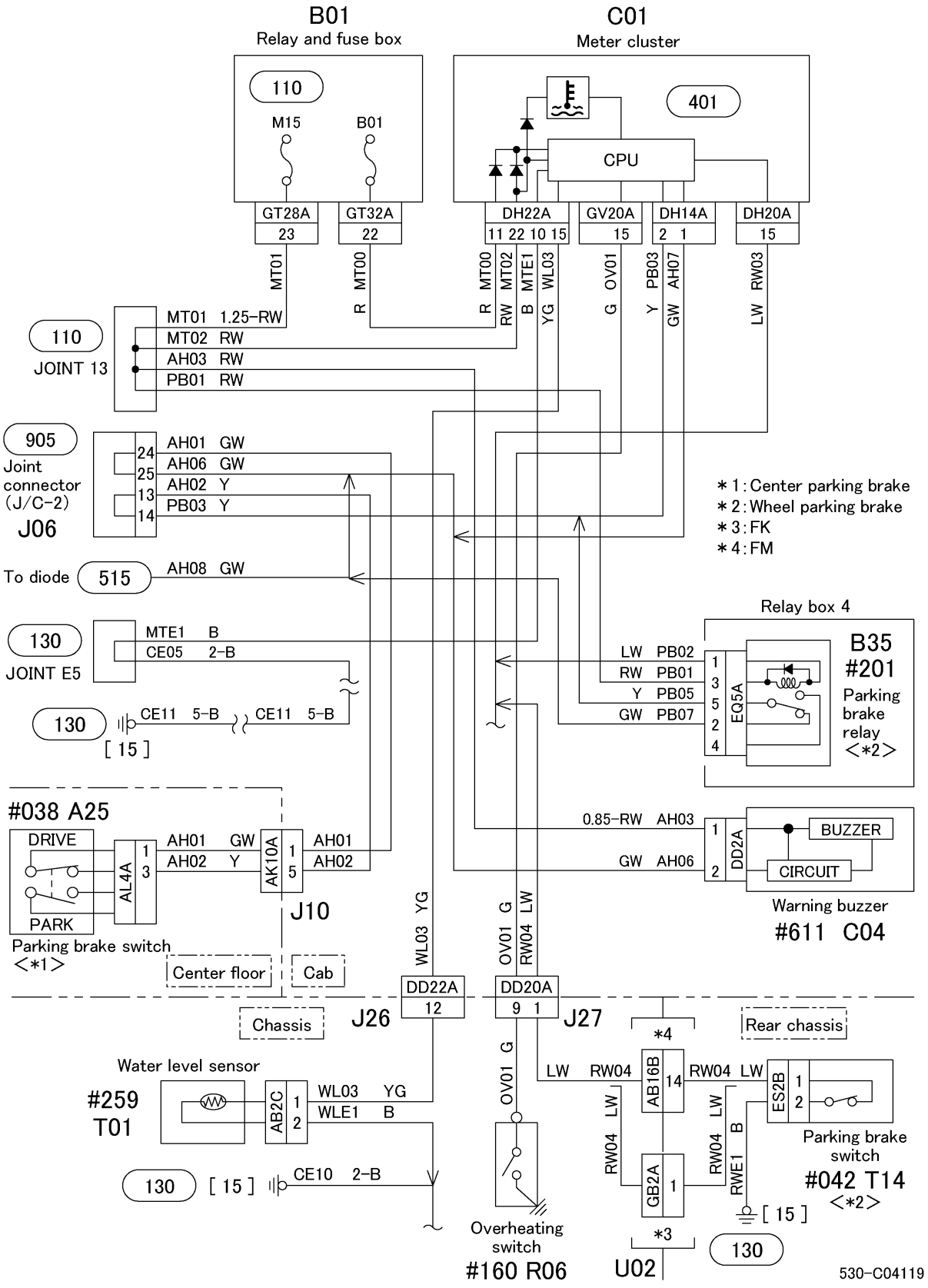
530 WATER LEVEL WARNING CIRCUIT



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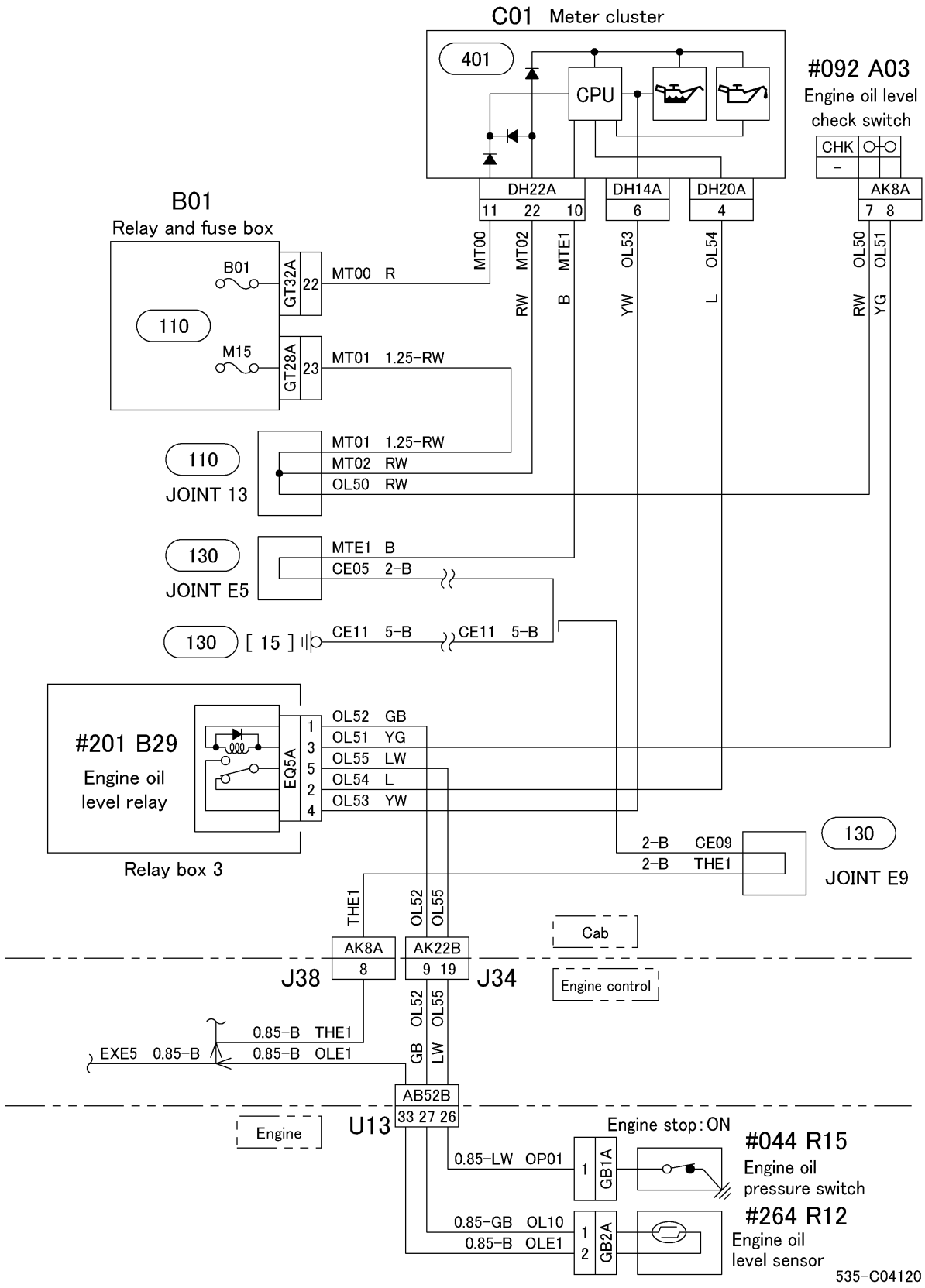
535 ENGINE OIL LEVEL WARNING CIRCUIT



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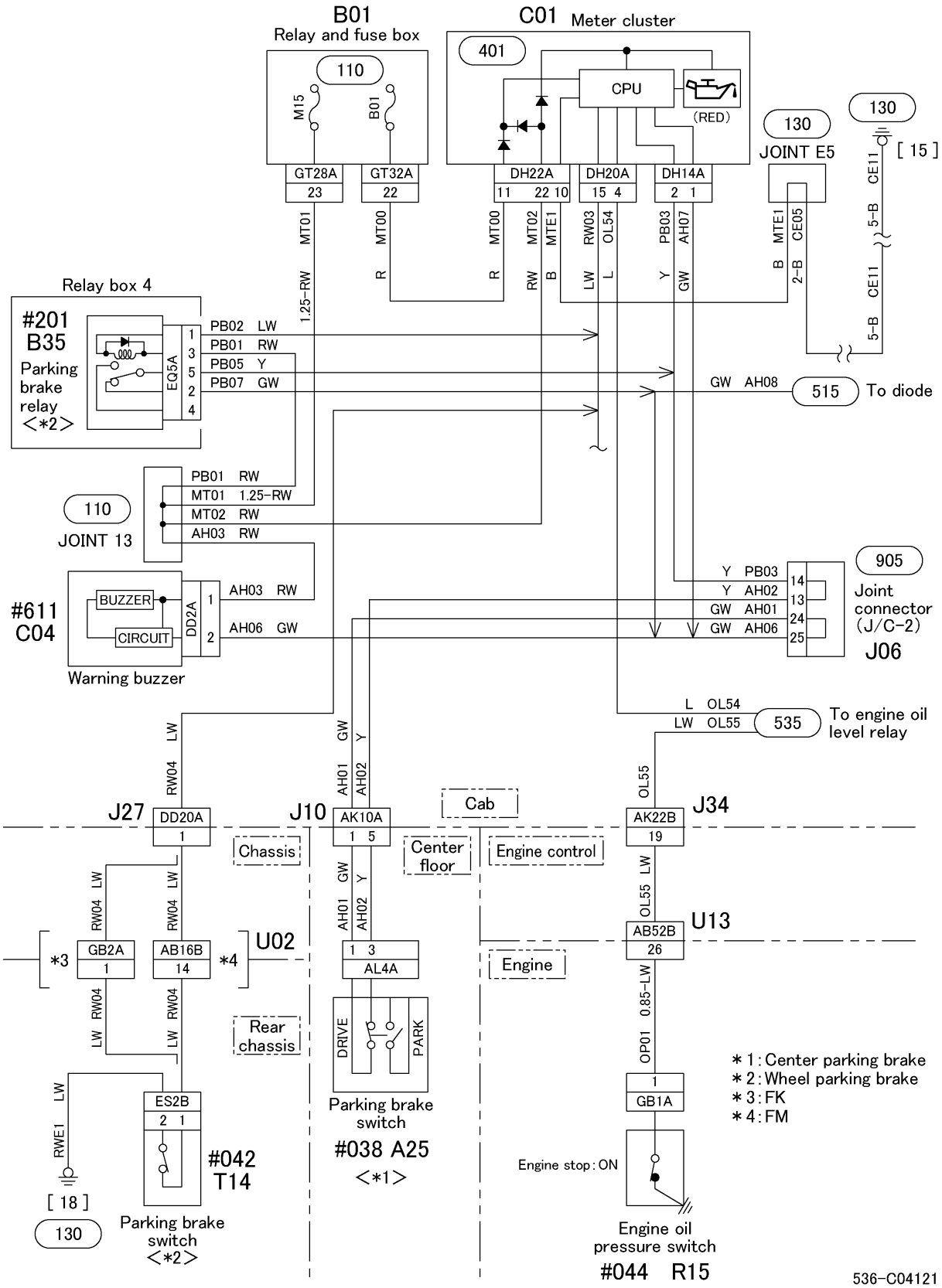
536 ENGINE OIL PRESSURE WARNING CIRCUIT



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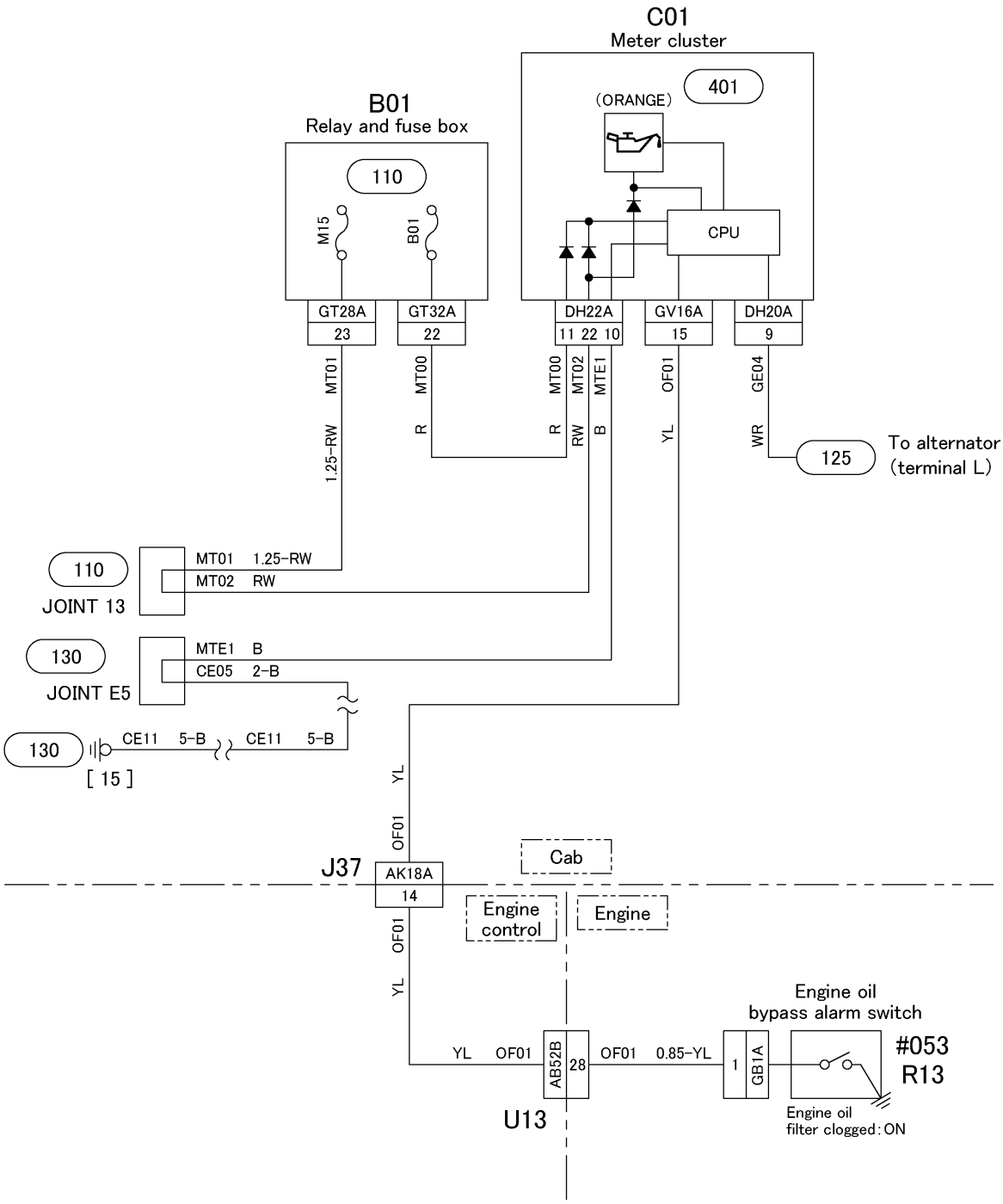
538 ENGINE OIL FILTER WARNING CIRCUIT



538-C04122

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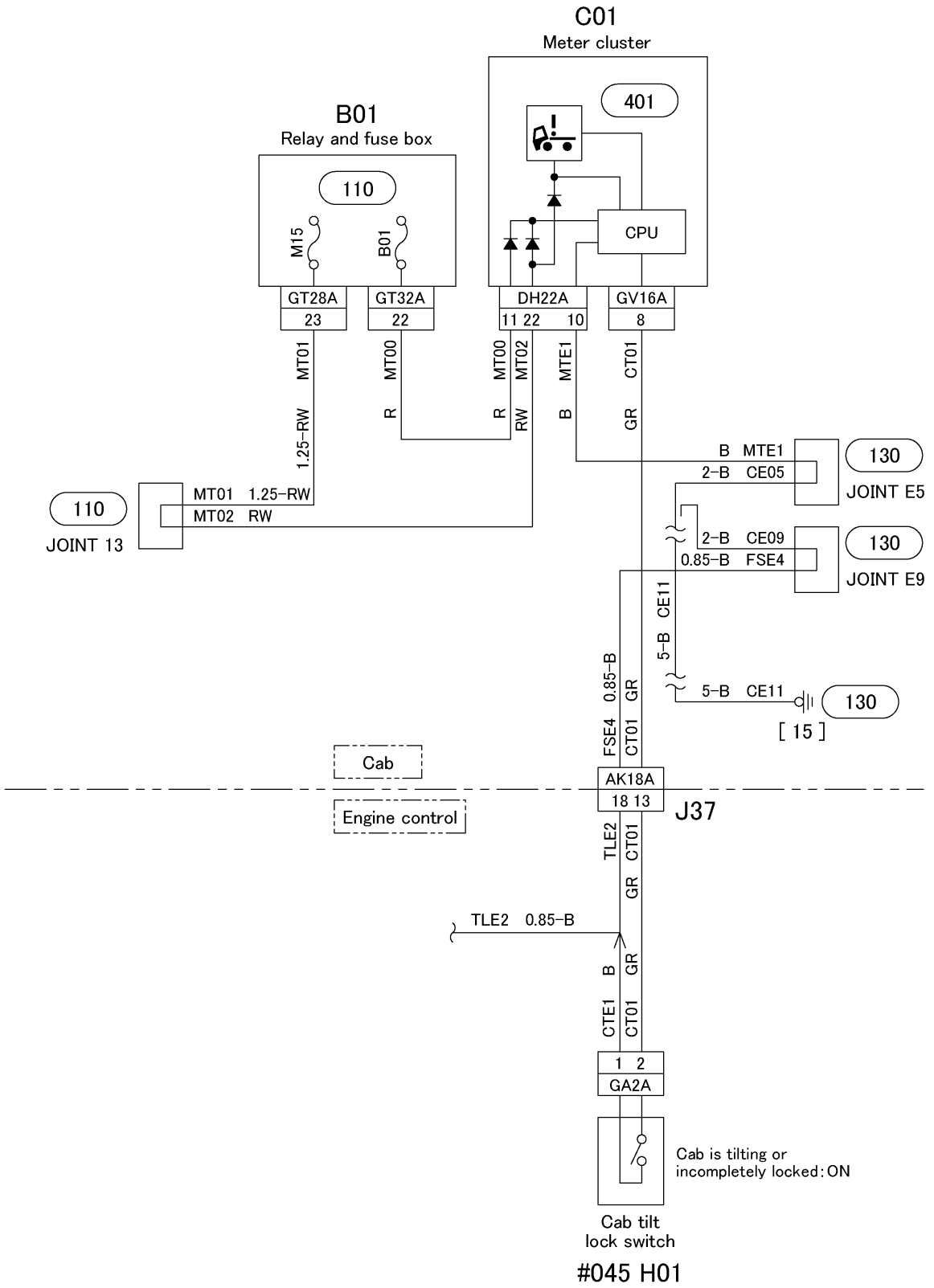
550 CAB TILT WARNING CIRCUIT



550-C04123

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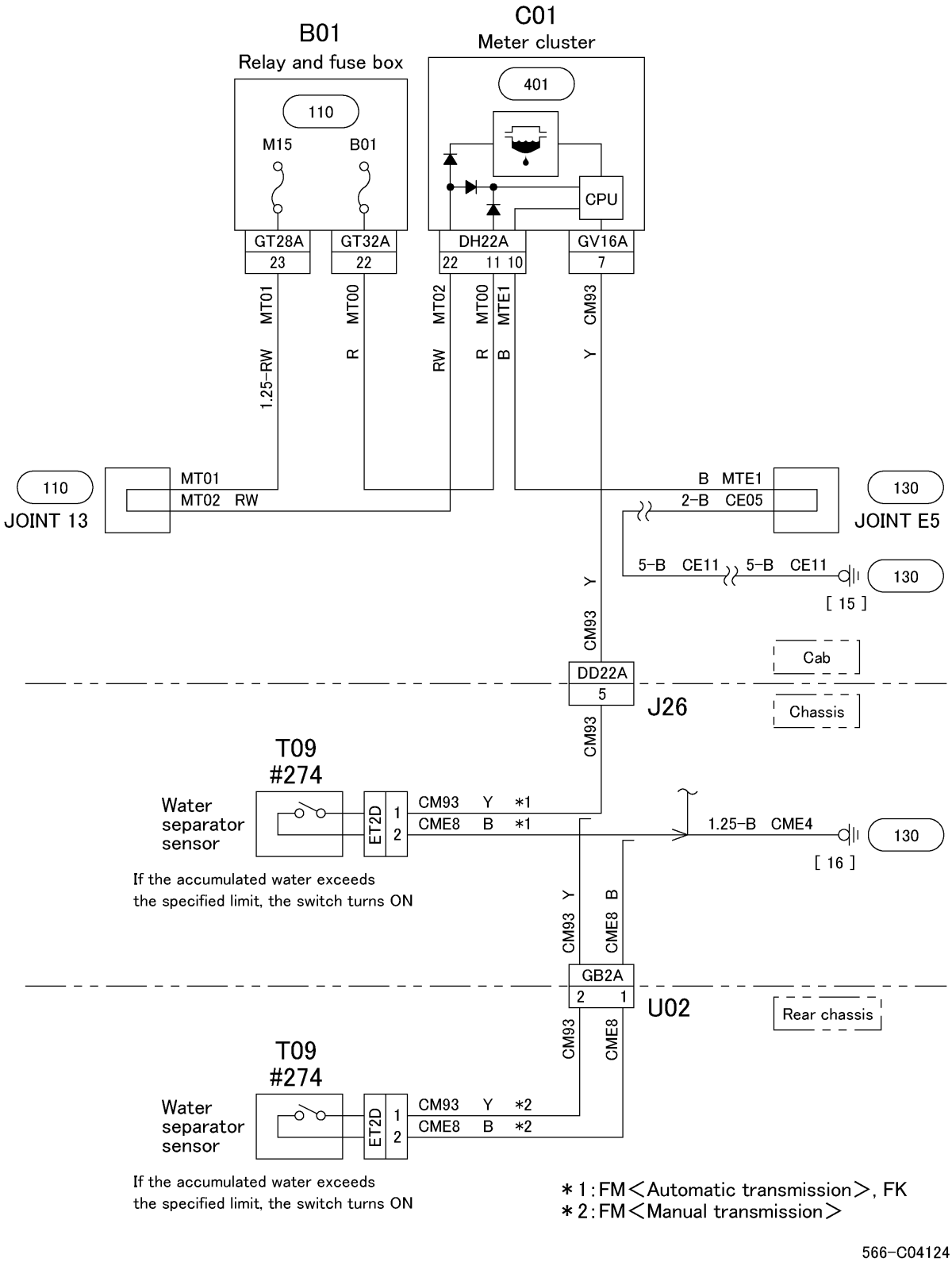

566-C04124

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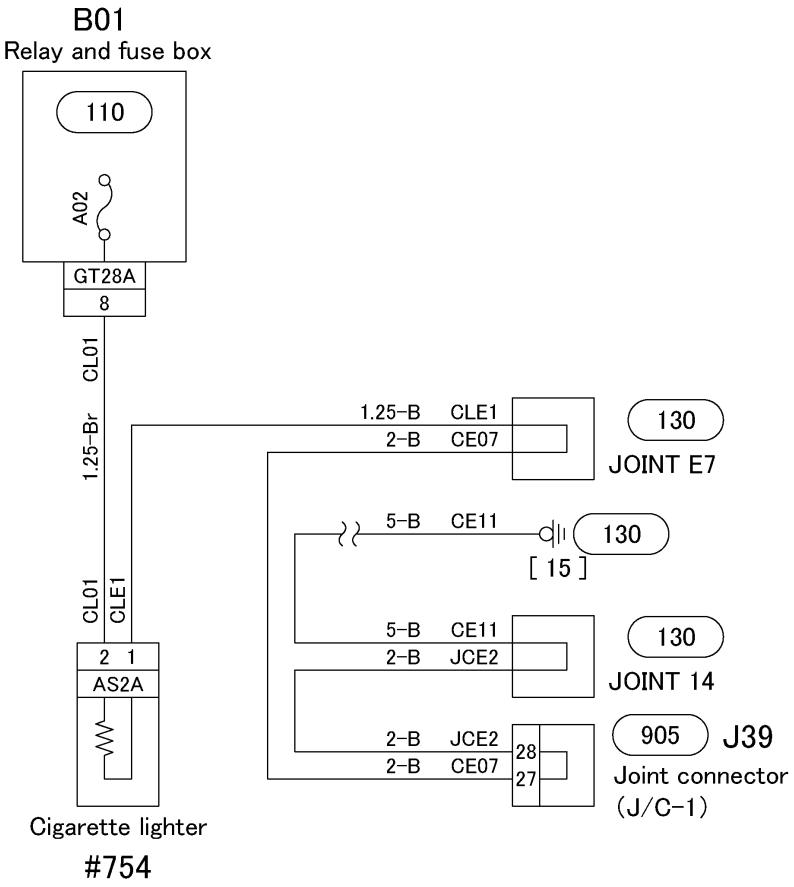

610-C04125

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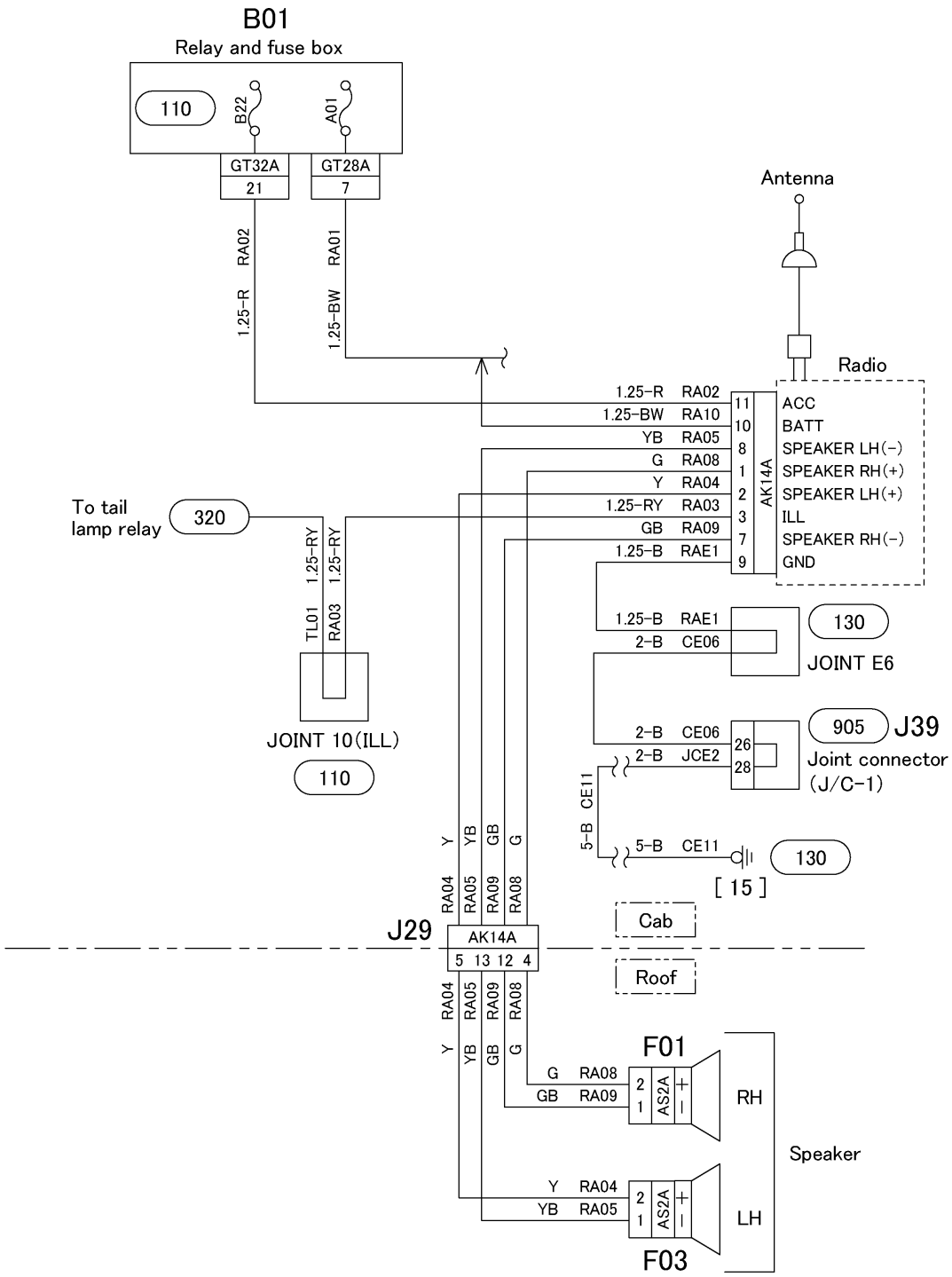

612-C04126

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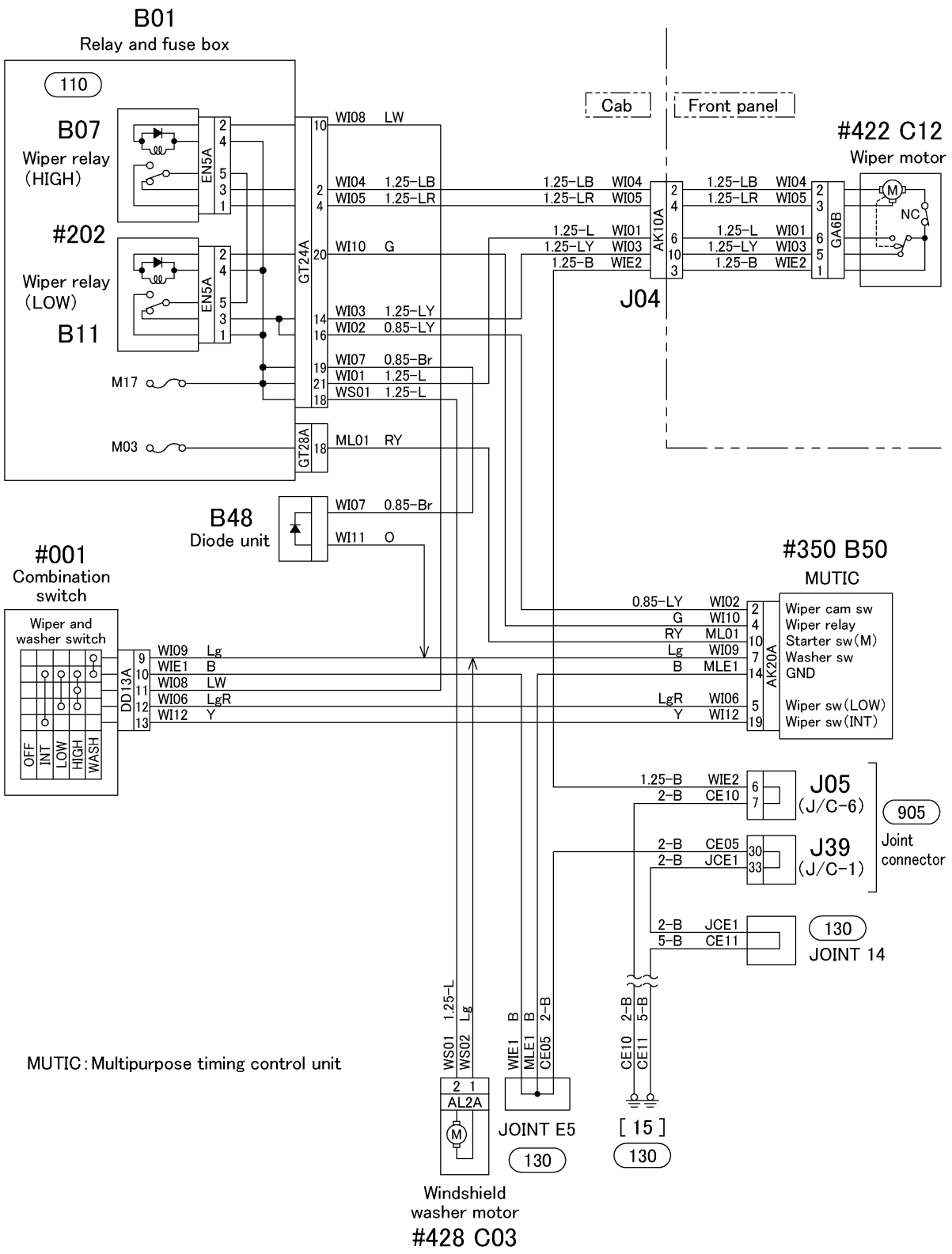

614-C04127

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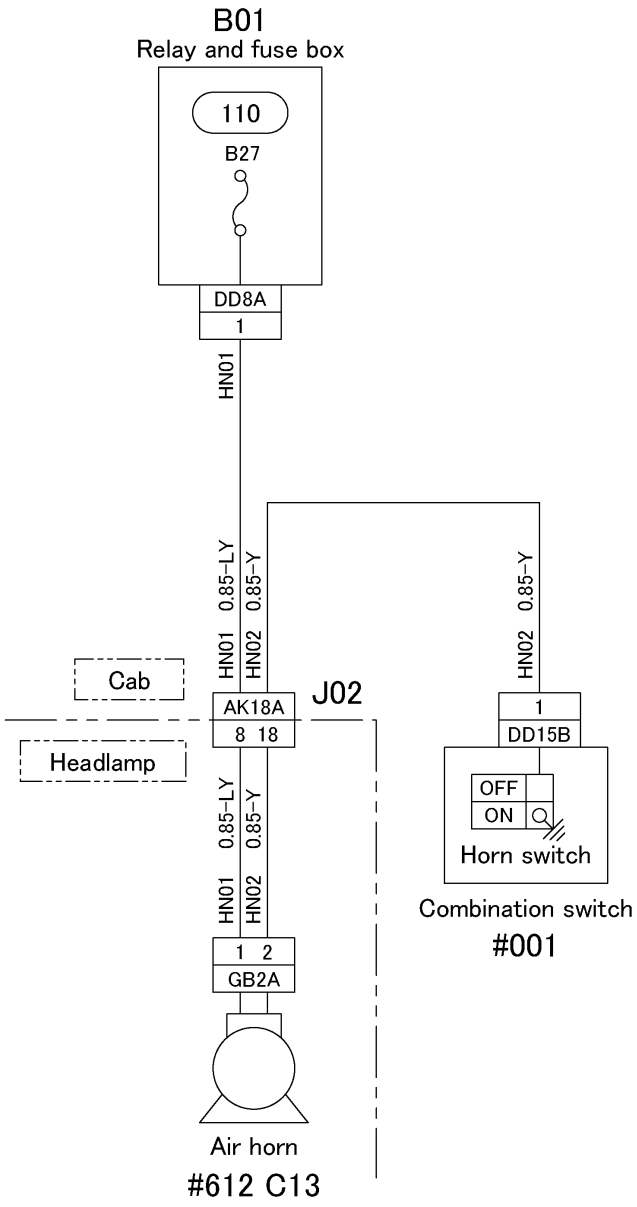

616-C04128

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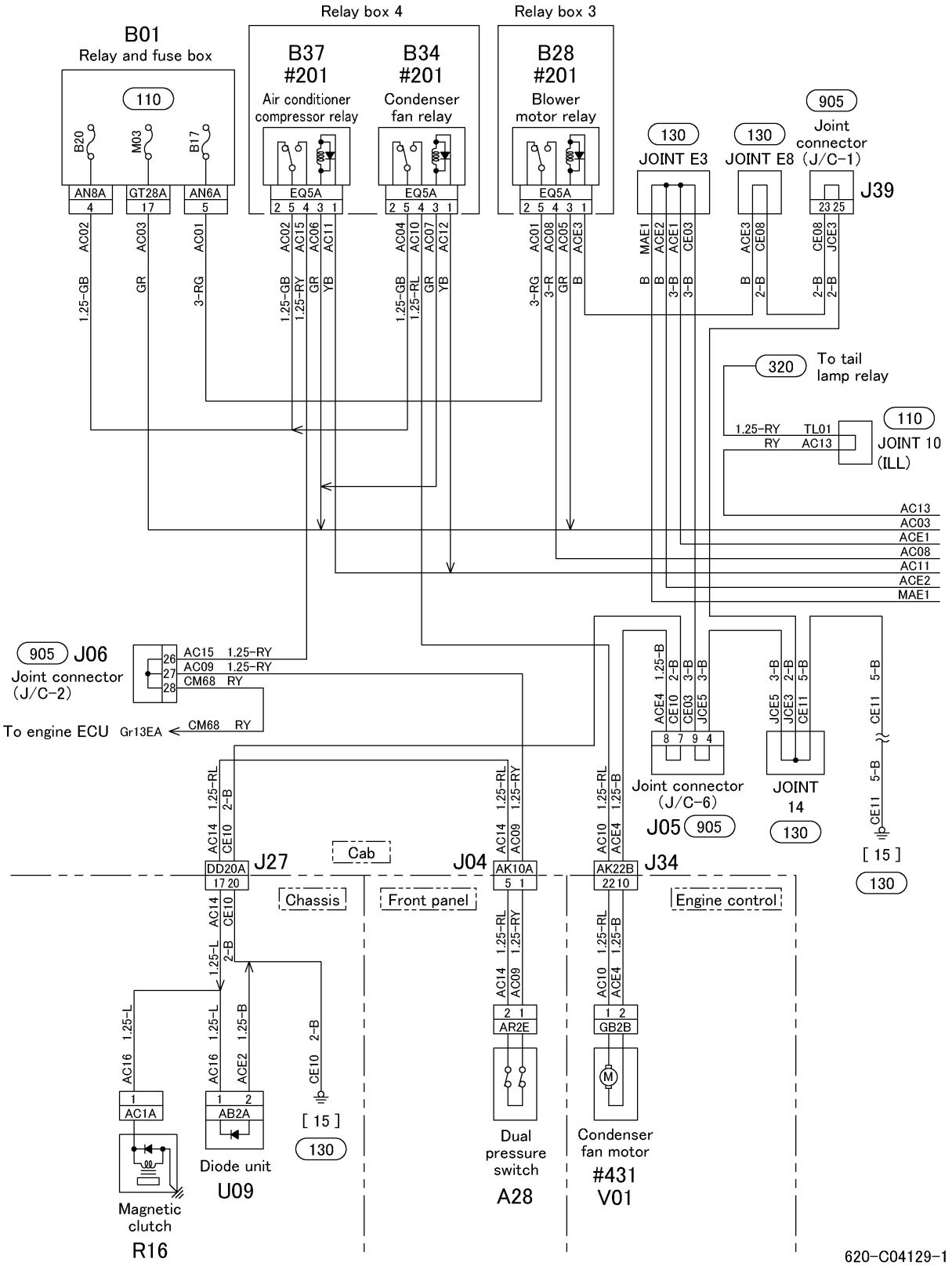

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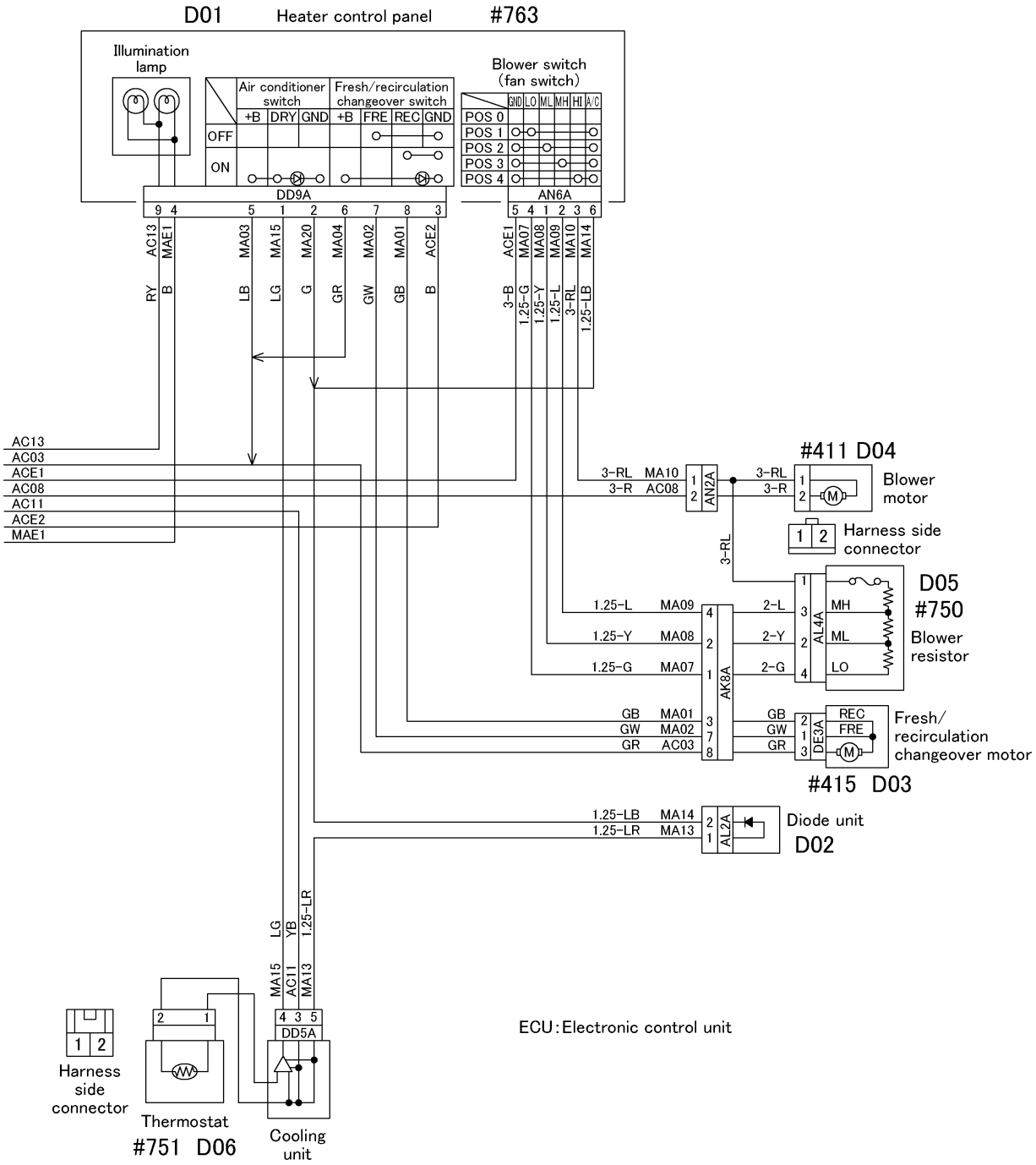

620-C04129-2

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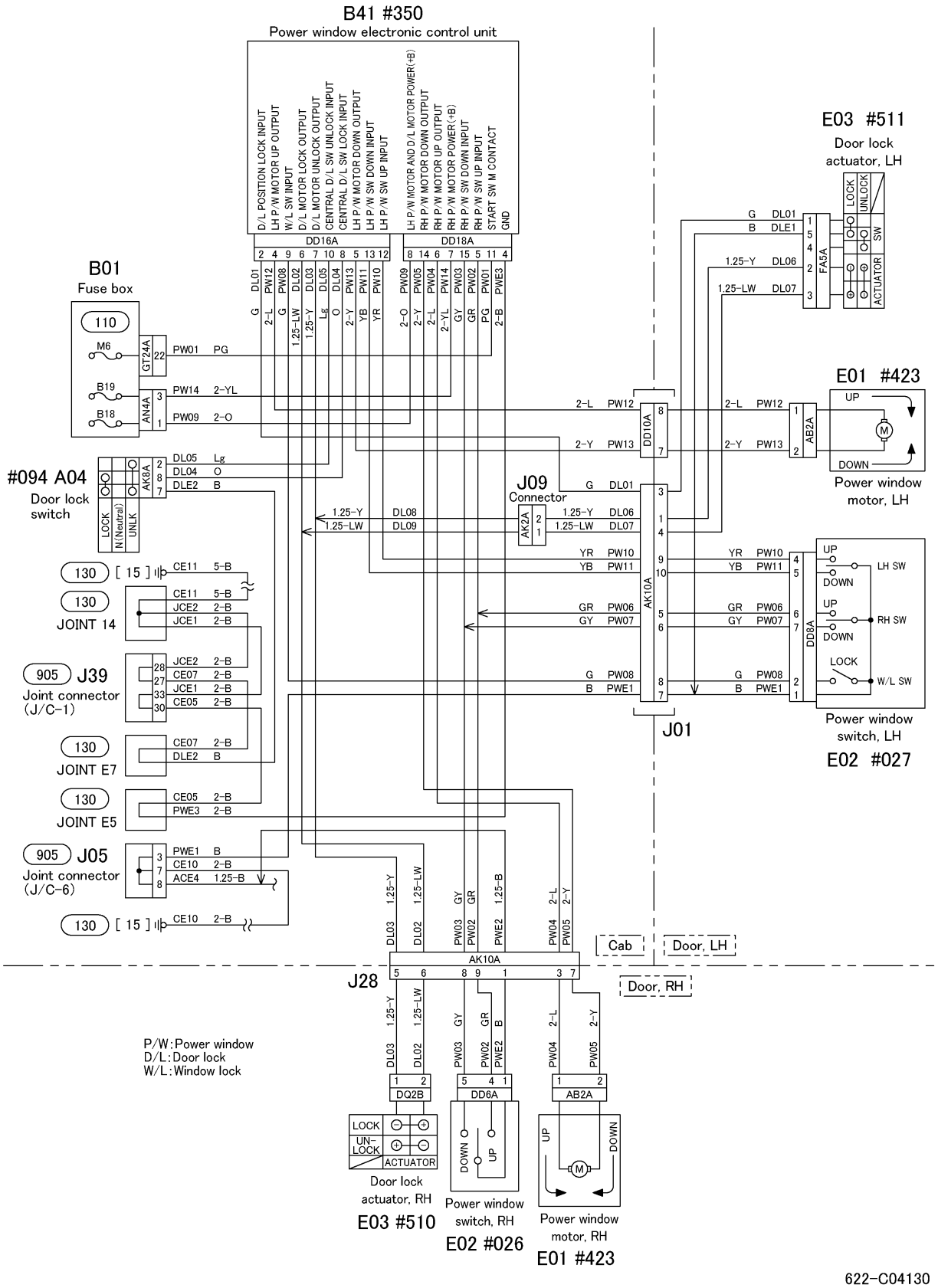

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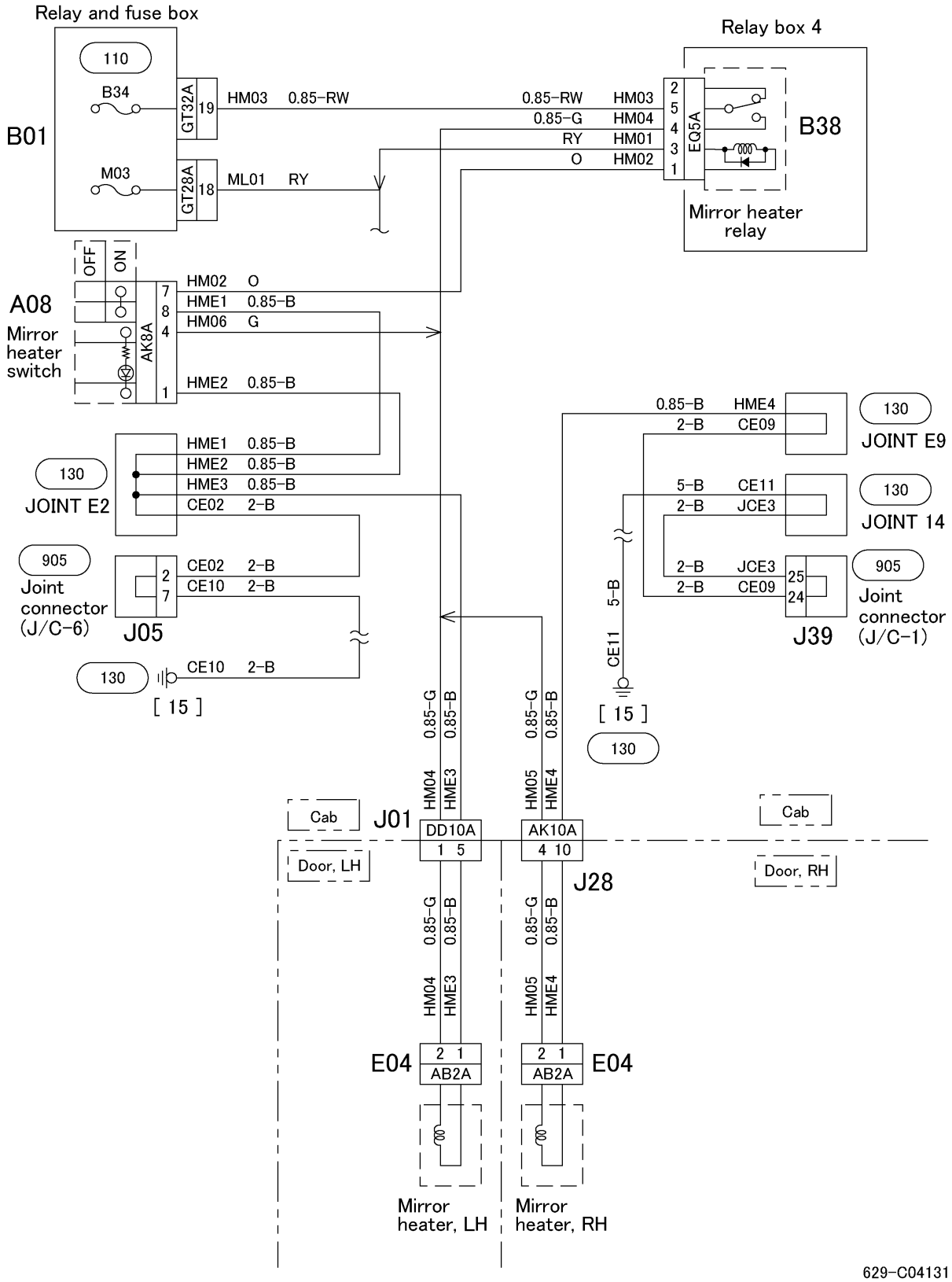
629 MIRROR HEATER CIRCUIT



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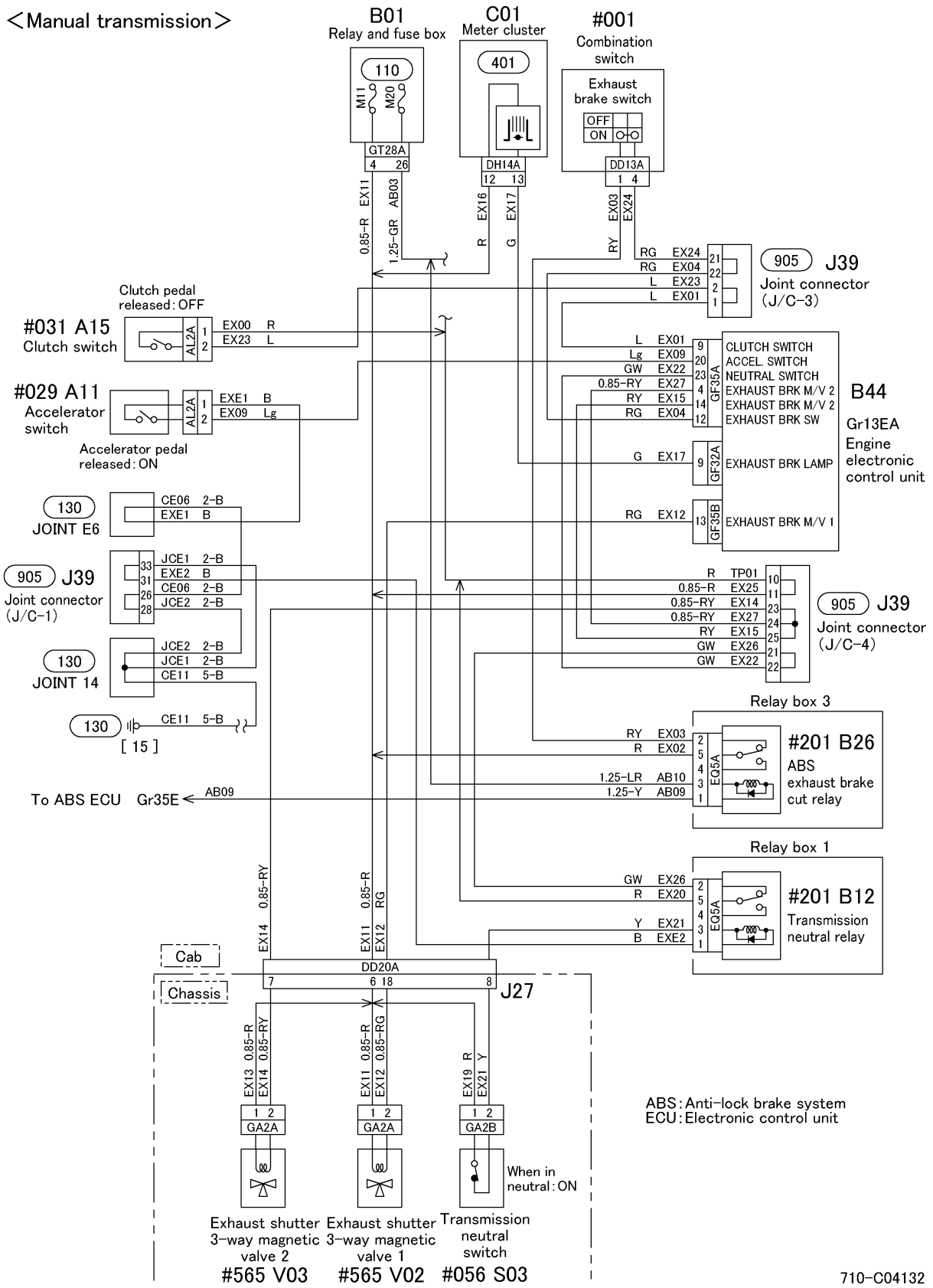
21.7 CHASSIS SIDE ELECTRICAL CIRCUIT
(710) EXHAUST BRAKE CIRCUIT



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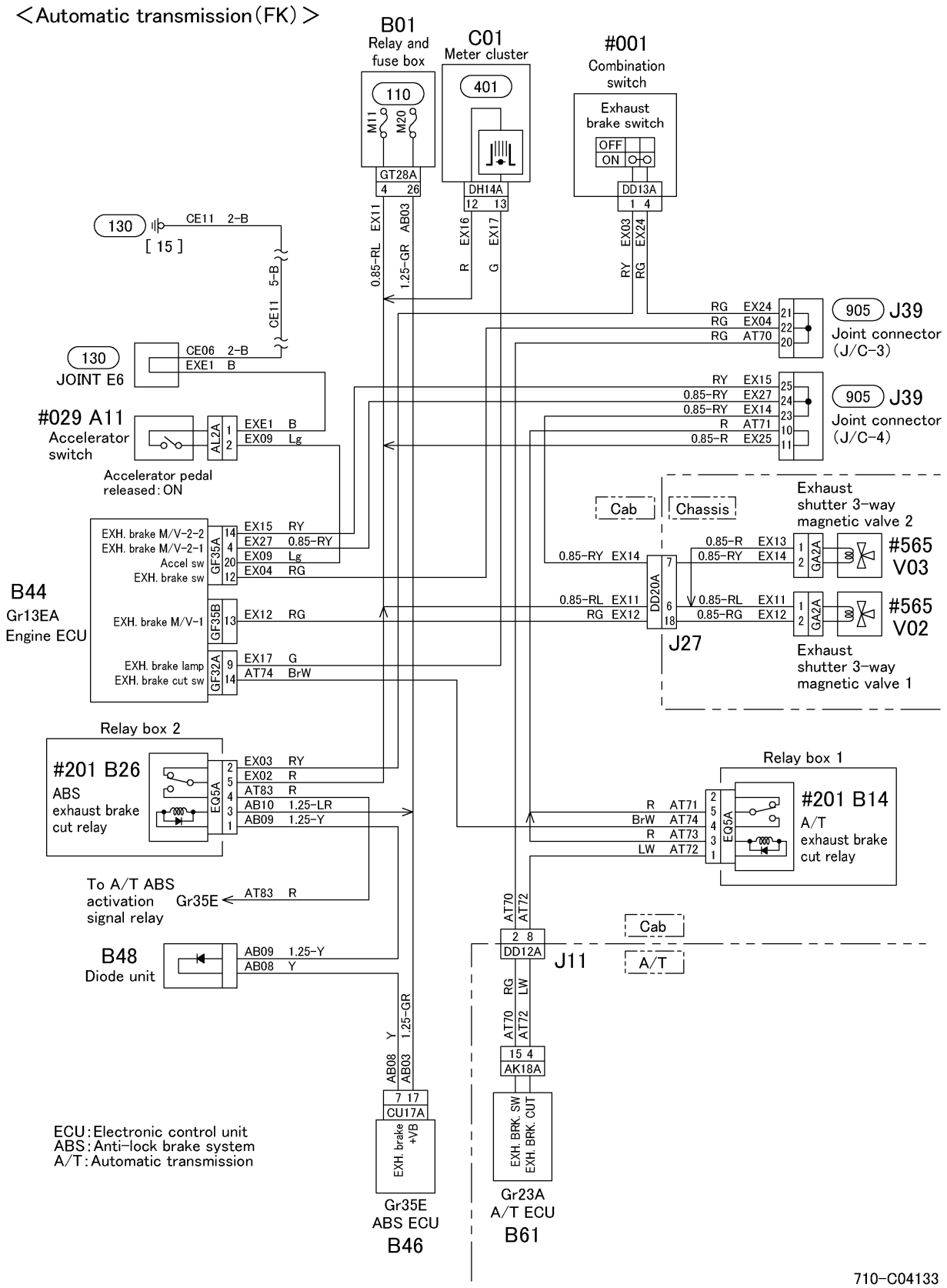

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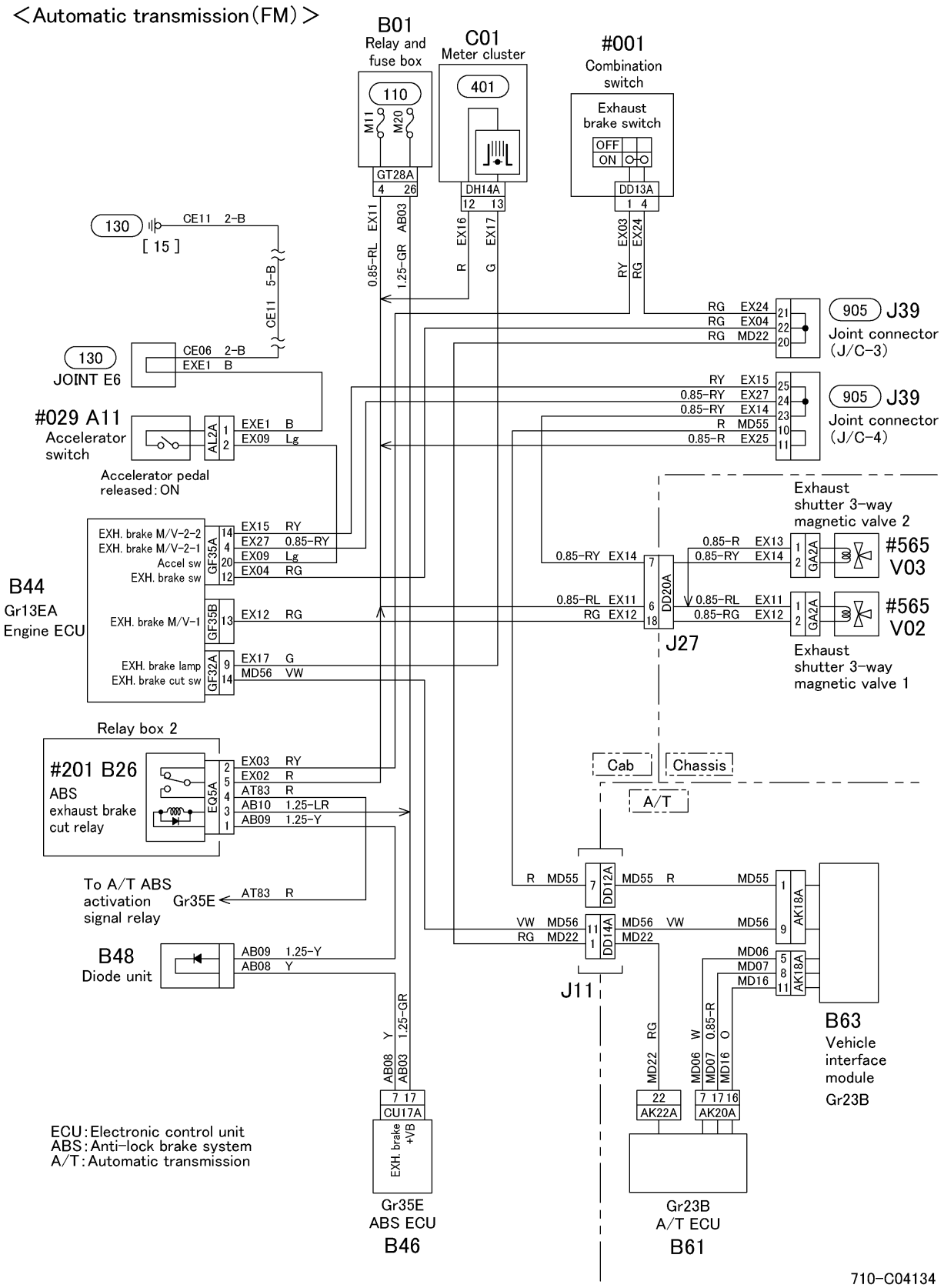

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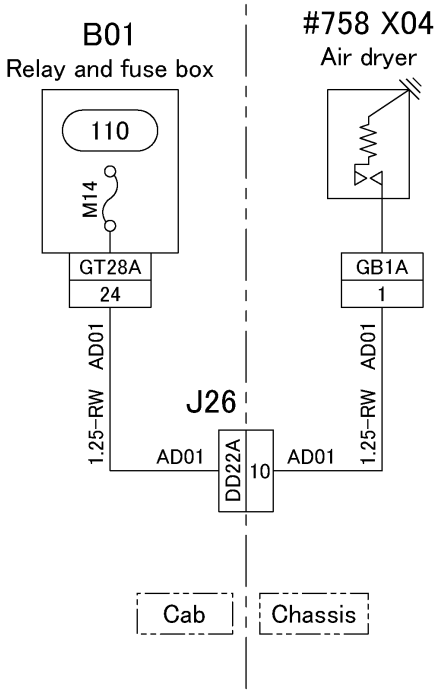

718-C04135

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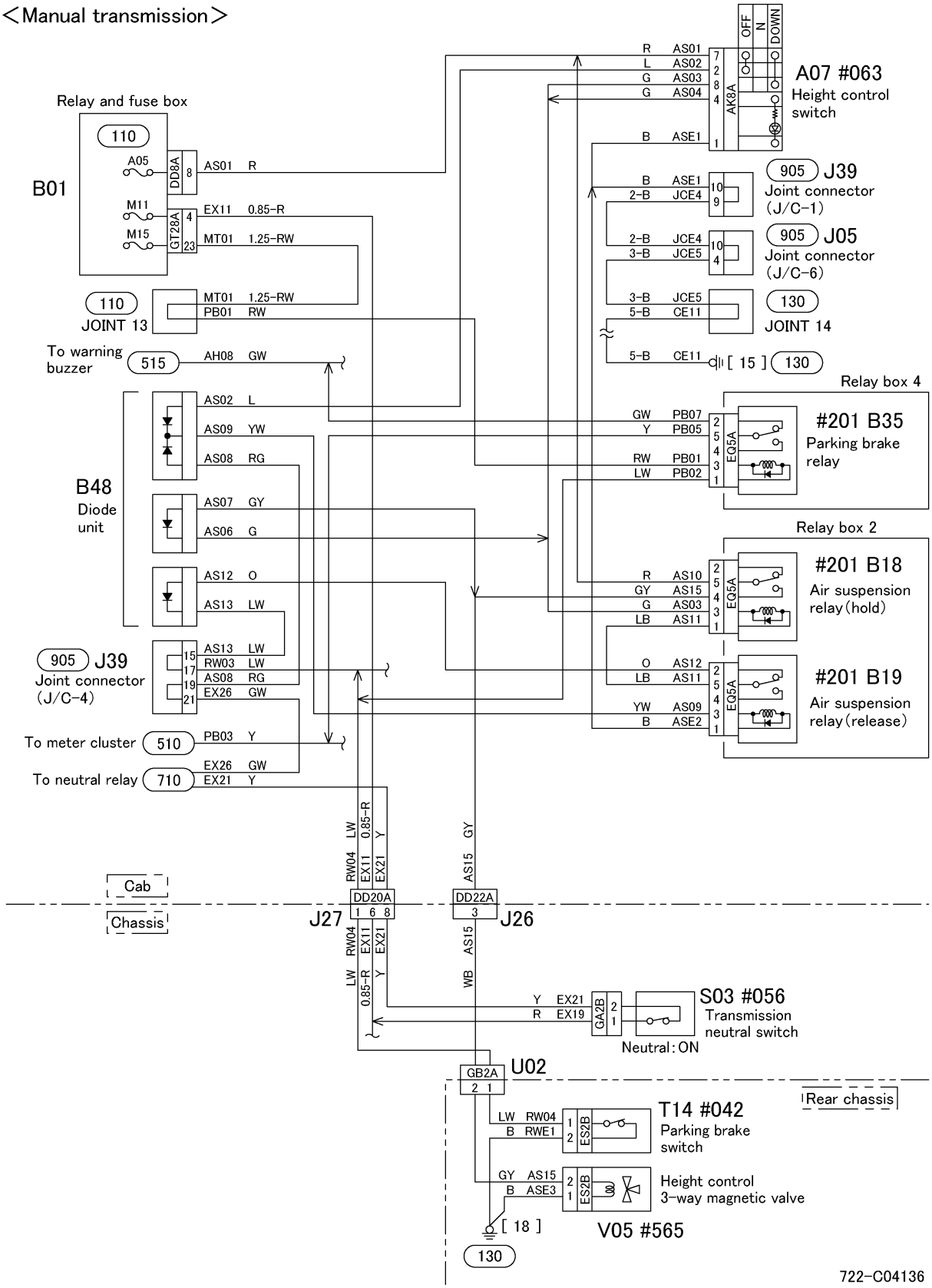

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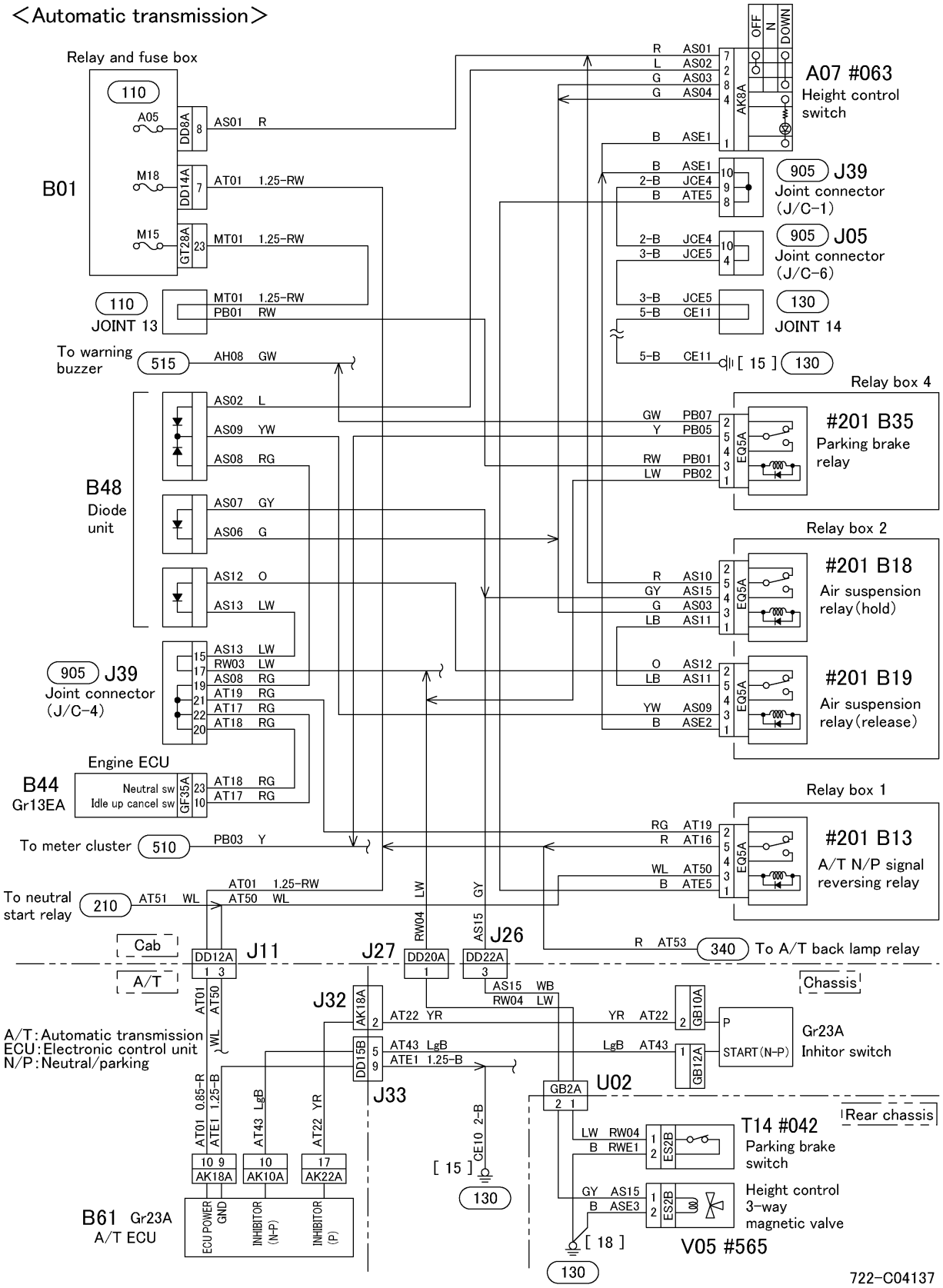

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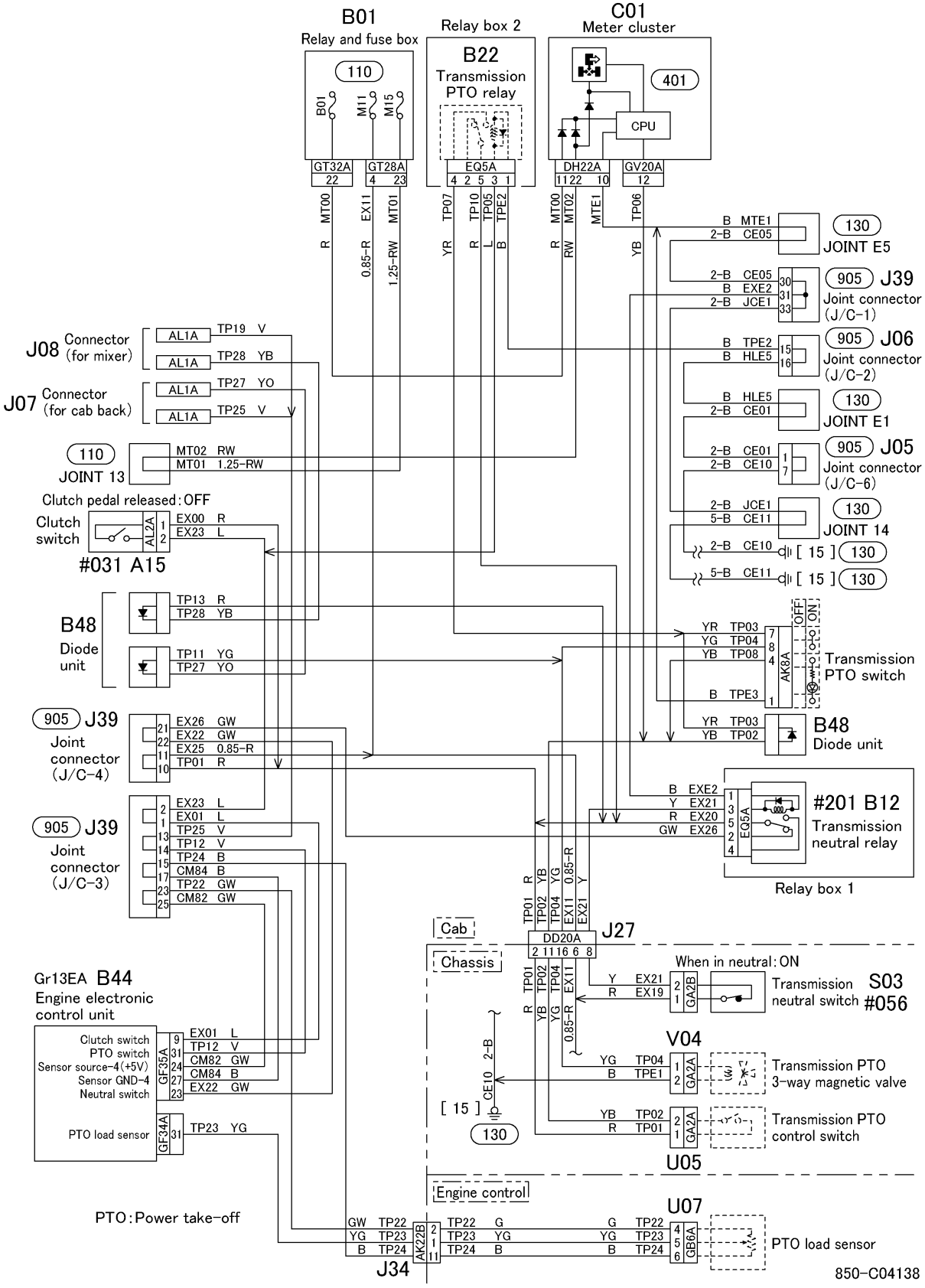
21.8 ENGINE AND TRANSMISSION SIDE ELECTRICAL CIRCUIT

(850) TRANSMISSION POWER TAKE-OFF CIRCUIT



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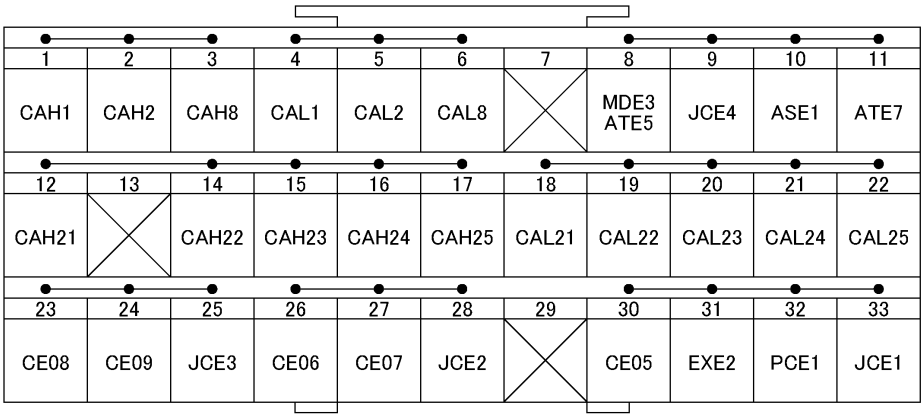
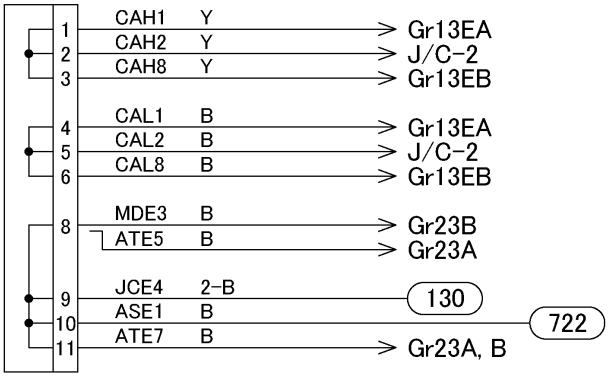
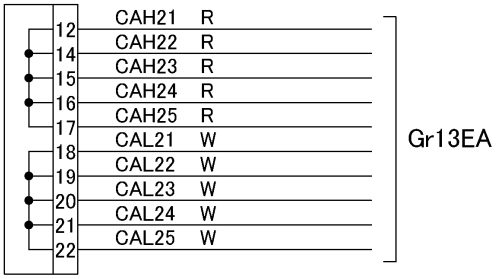
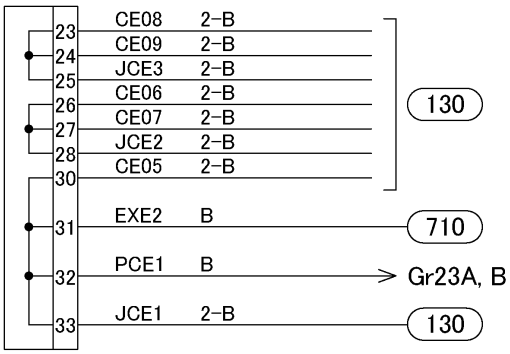
21.9 OTHERS CIRCUIT
(905) JOINT CONNECTOR (J/C)

<J/C-1>









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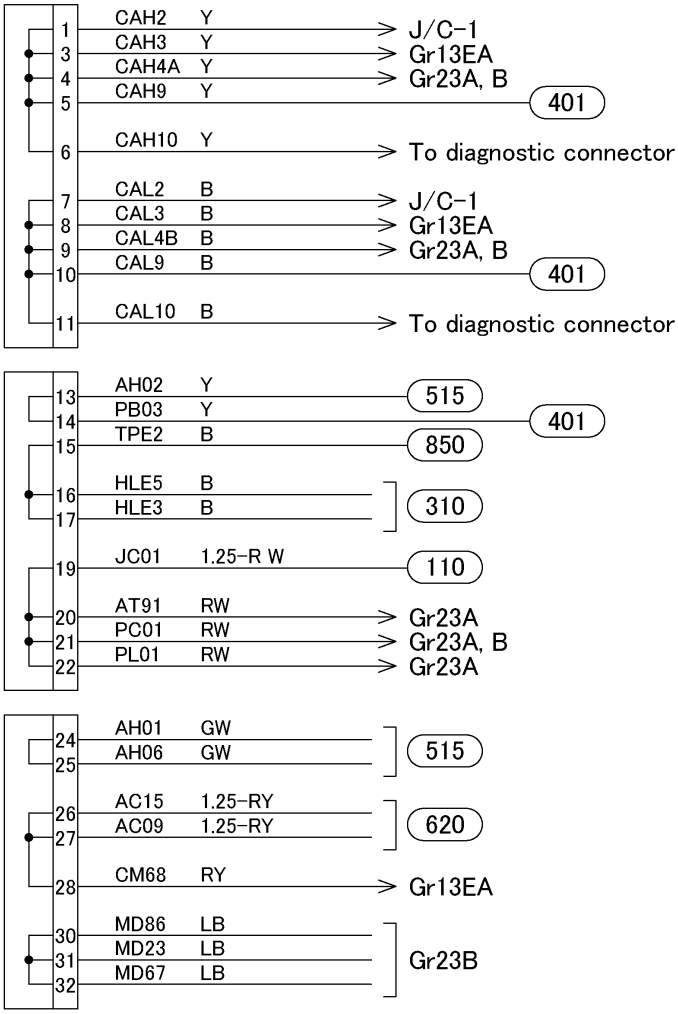
<J/C-2>

1	2	3	4	5	6	7	8	9	10	11
CAH2		CAH3	CAH4A CAH4B	CAH9	CAH10	CAL2	CAL3	CAL4A CAL4B	CAL9	CAL10
12	13	14	15	16	17	18	19	20	21	22
—	AH02	PB03	TPE2	HLE5	HLE3		JC01	AT91	PC01	PL01
23	24	25	26	27	28	29	30	31	32	33
—	AH01	AH06	AC15	AC09	CM68		MD86	MD23	MD67	—



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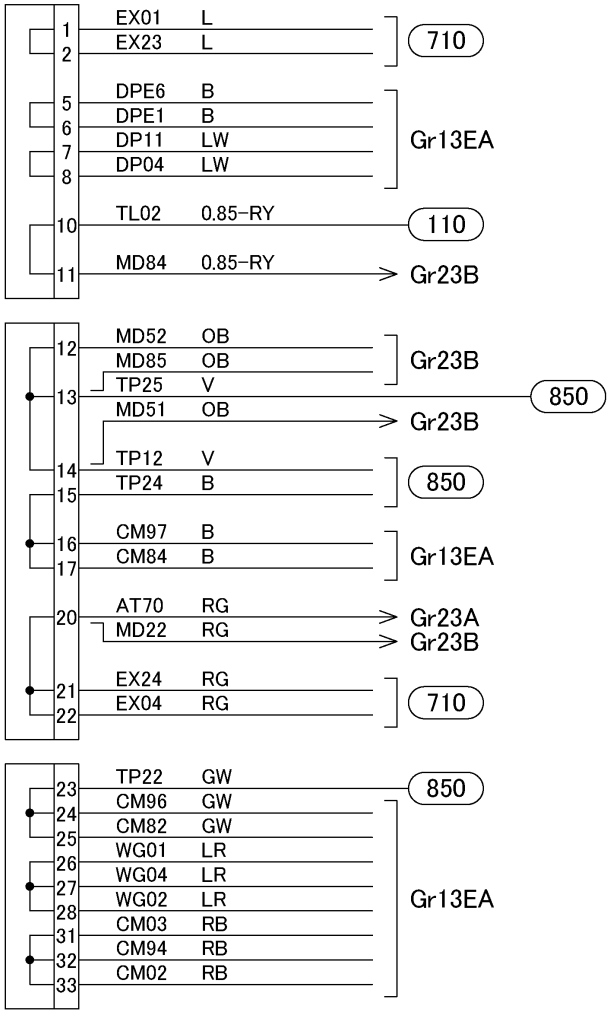
<J/C-3>

1	2	3	4	5	6	7	8	9	10	11
EX01	EX23	—	—	DPE6	DPE1	DP11	DP04		TL02	MD84
12	13	14	15	16	17	18	19	20	21	22
MD52	MD85 TP25	MD51 TP12	TP24	CM97	CM84		—	AT70 MD22	EX24	EX04
23	24	25	26	27	28	29	30	31	32	33
TP22	CM96	CM82	WG01	WG04	WG02		—	CM03	CM94	CM02



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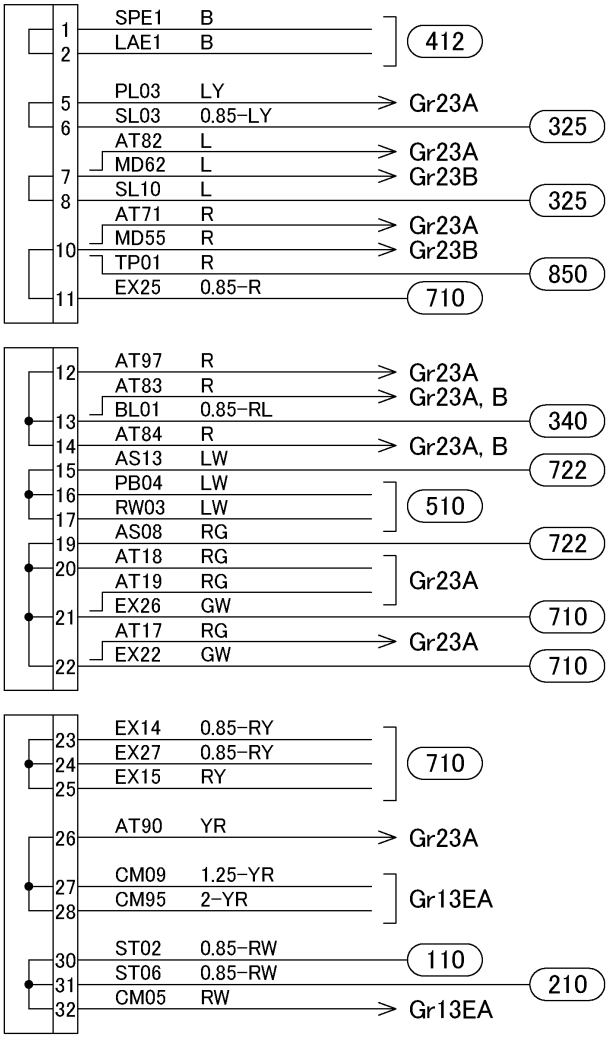
<J/C-4>

1	2	3	4	5	6	7	8	9	10	11
SPE1	LAE1	—	—	PL03	SL03	AT82 MD62	SL10		AT71 MD55 TP01	EX25
12	13	14	15	16	17	18	19	20	21	22
AT97	AT83 BL01	AT84	AS13	PB04	RW03		AS08	AT18	AT19 EX26	AT17 EX22
23	24	25	26	27	28	29	30	31	32	33
EX14	EX27	EX15	AT90	CM09	CM95		ST02	ST06	CM05	—



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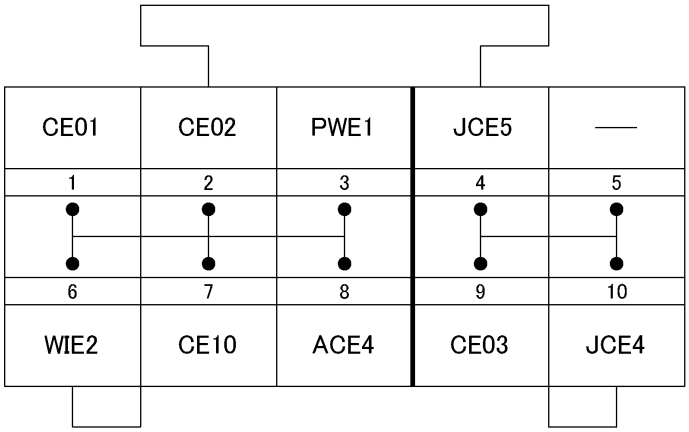
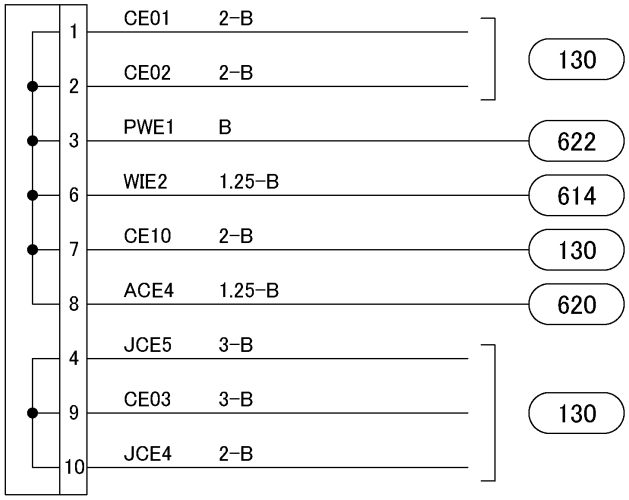
<J/C-6>





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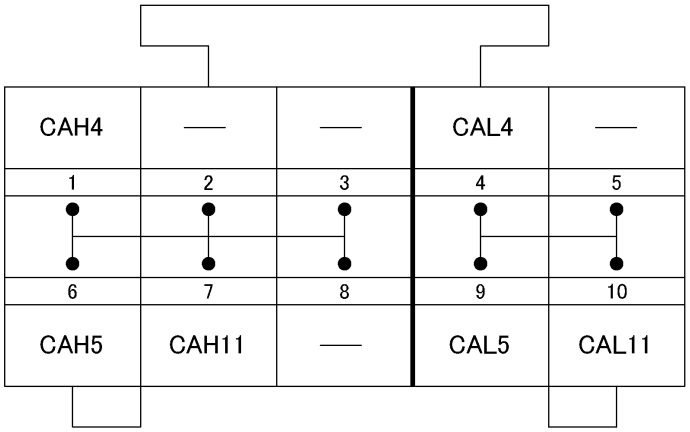
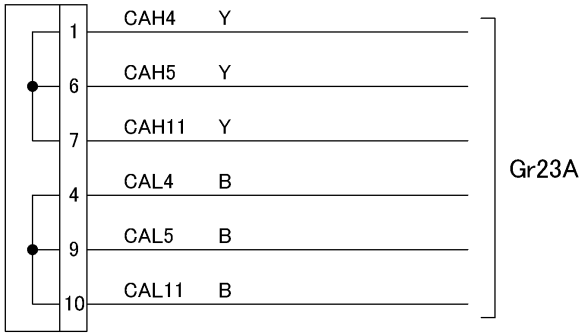
＜J/C(FK)＞





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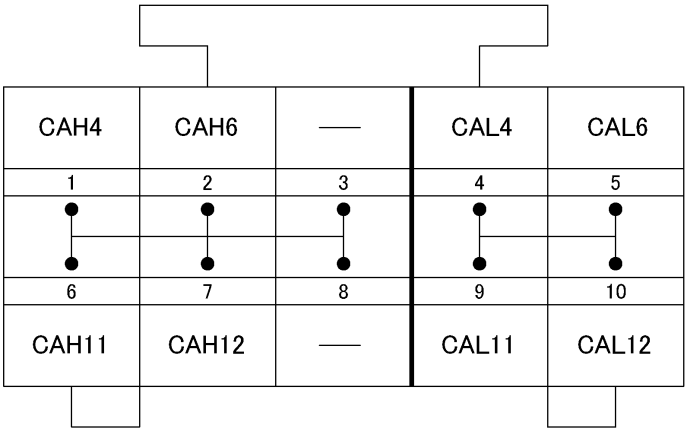

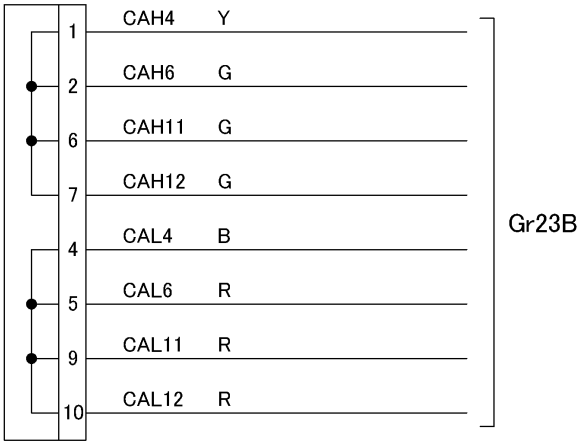

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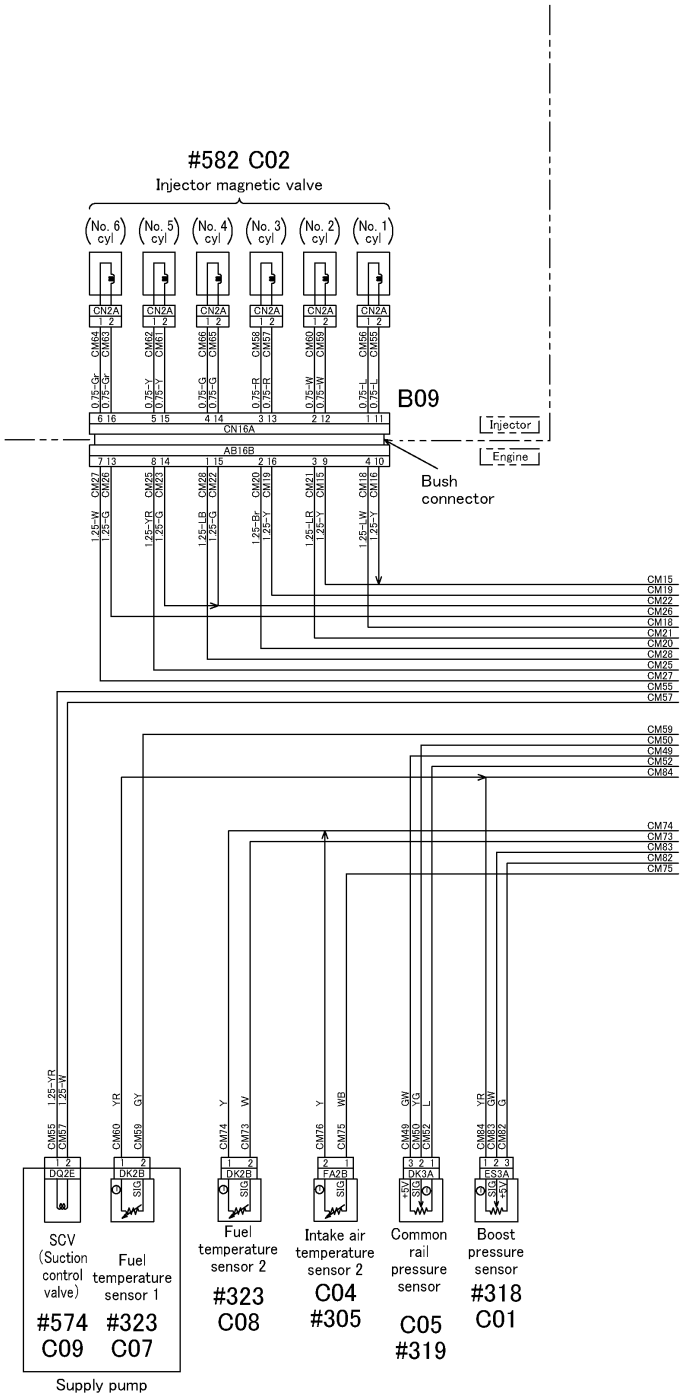

13EA-C03799-1

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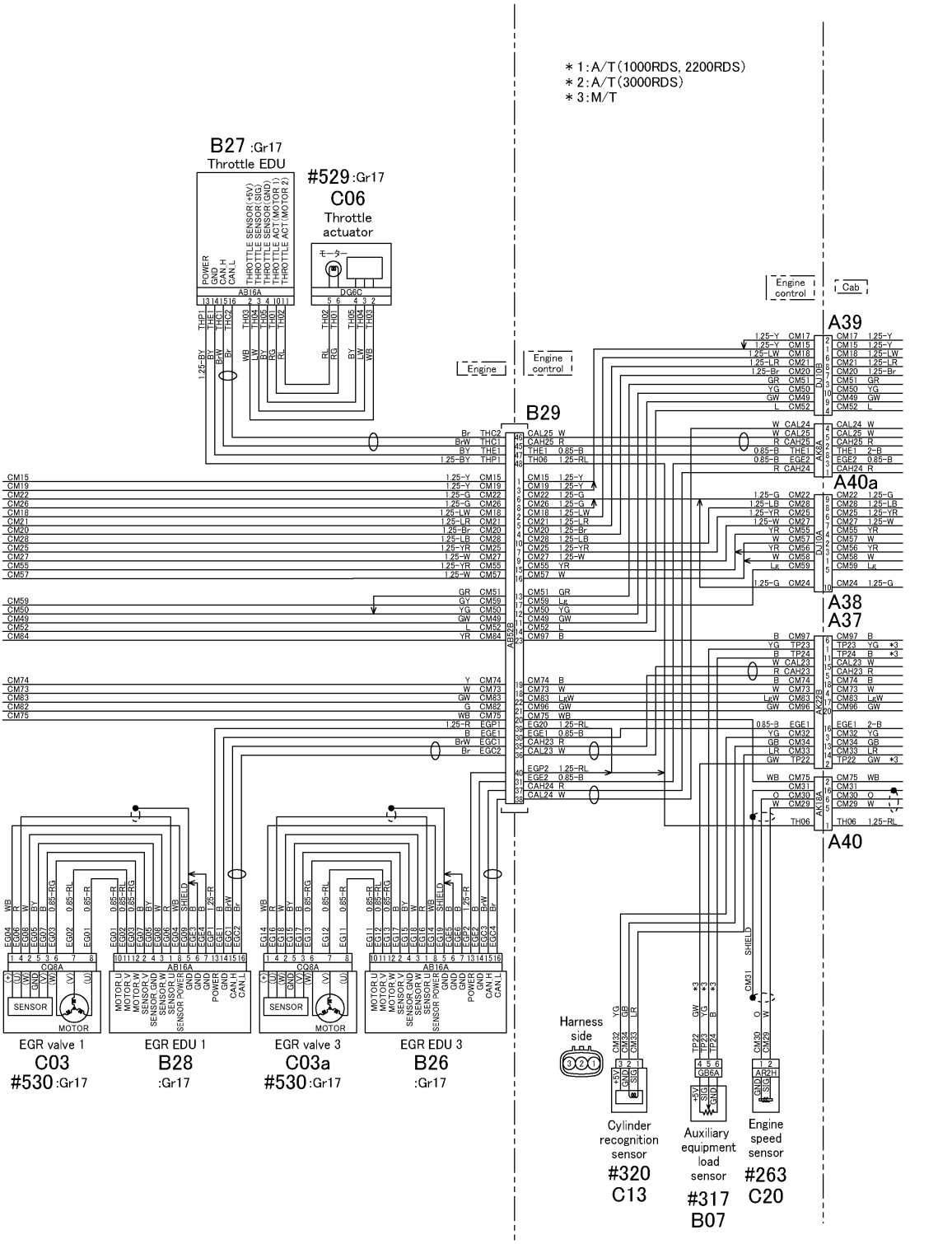
COMMON RAIL SYSTEM ELECTRIC CIRCUIT



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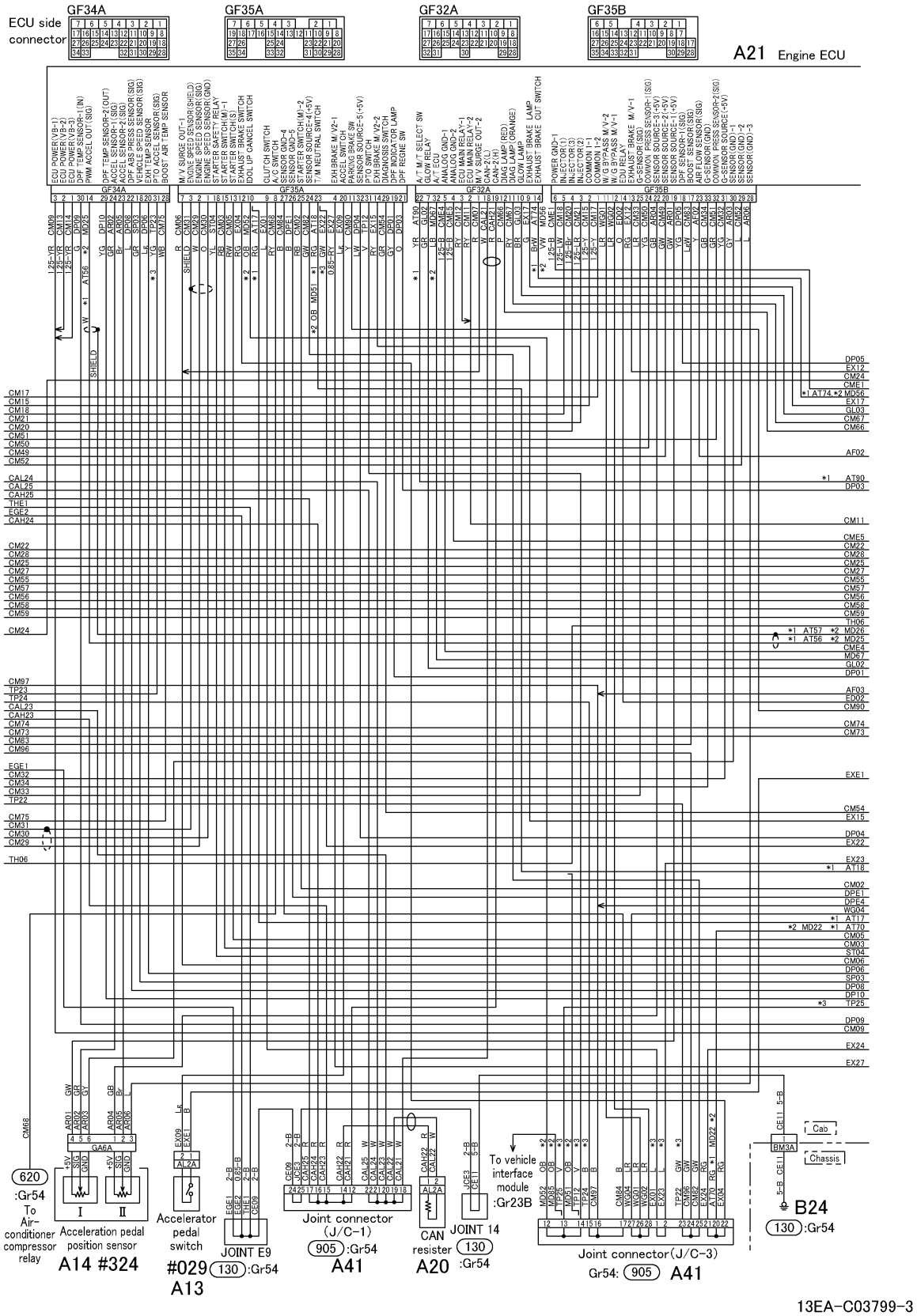
COMMON RAIL SYSTEM ELECTRIC CIRCUIT



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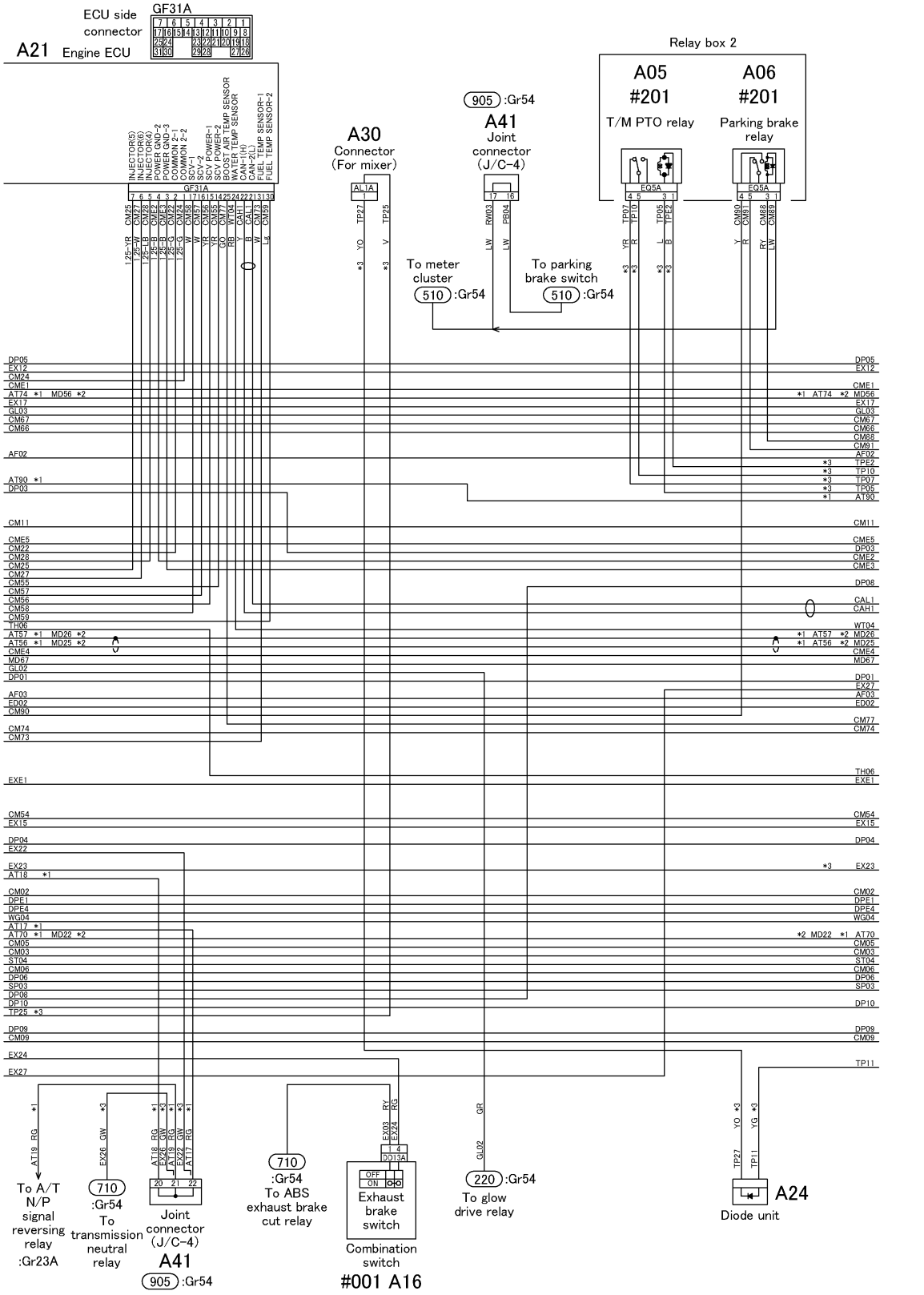
COMMON RAIL SYSTEM ELECTRIC CIRCUIT



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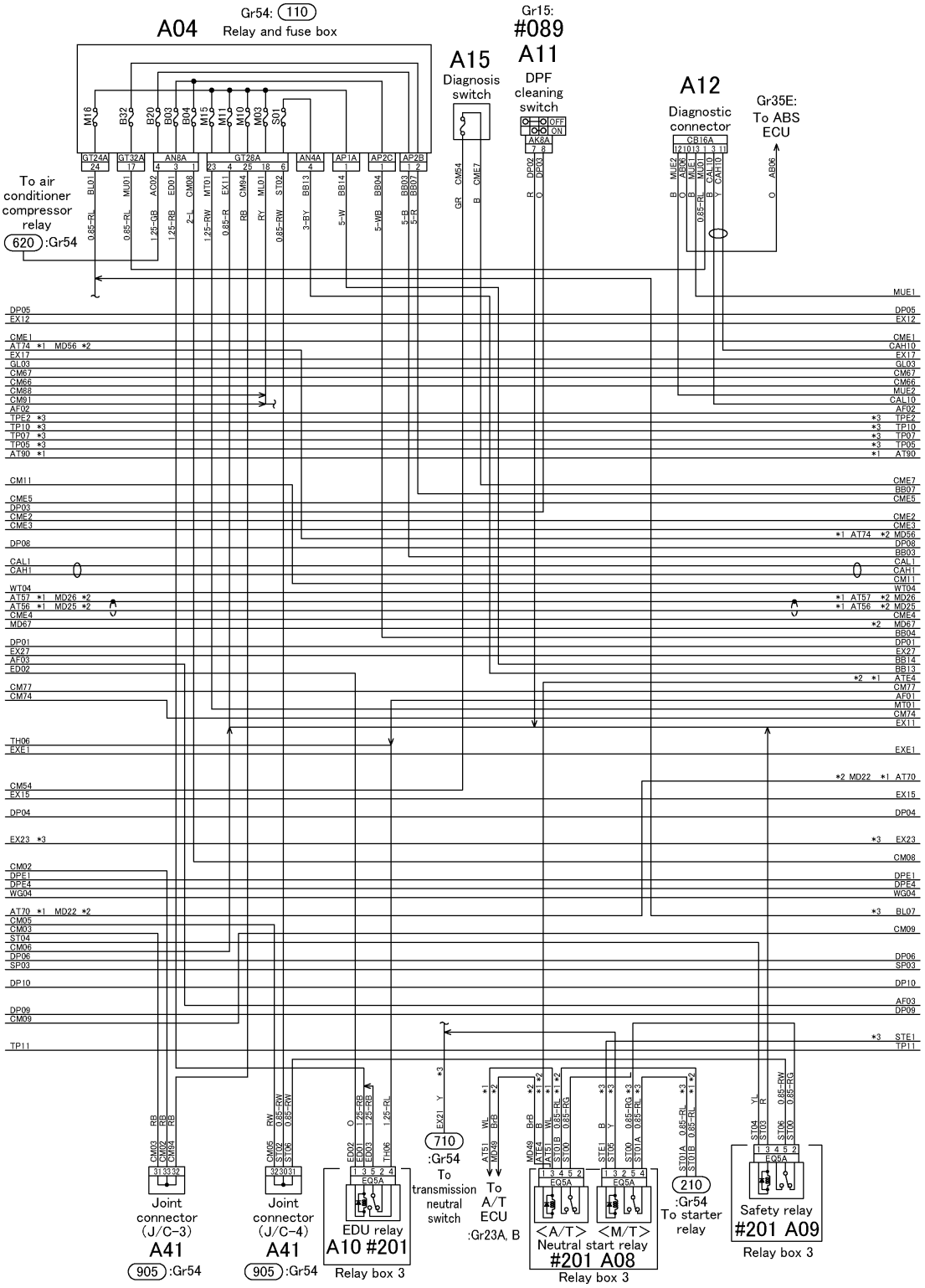

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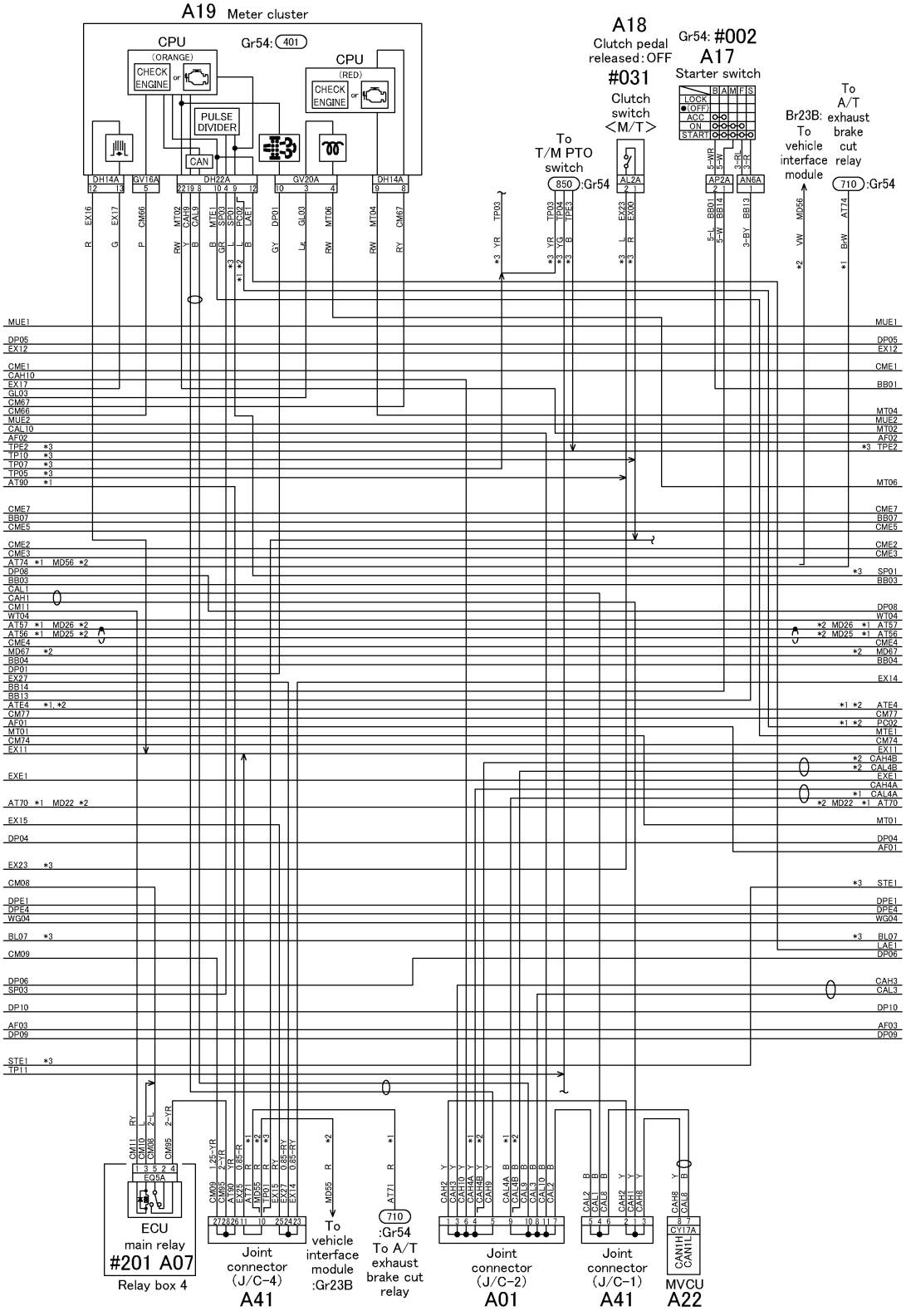

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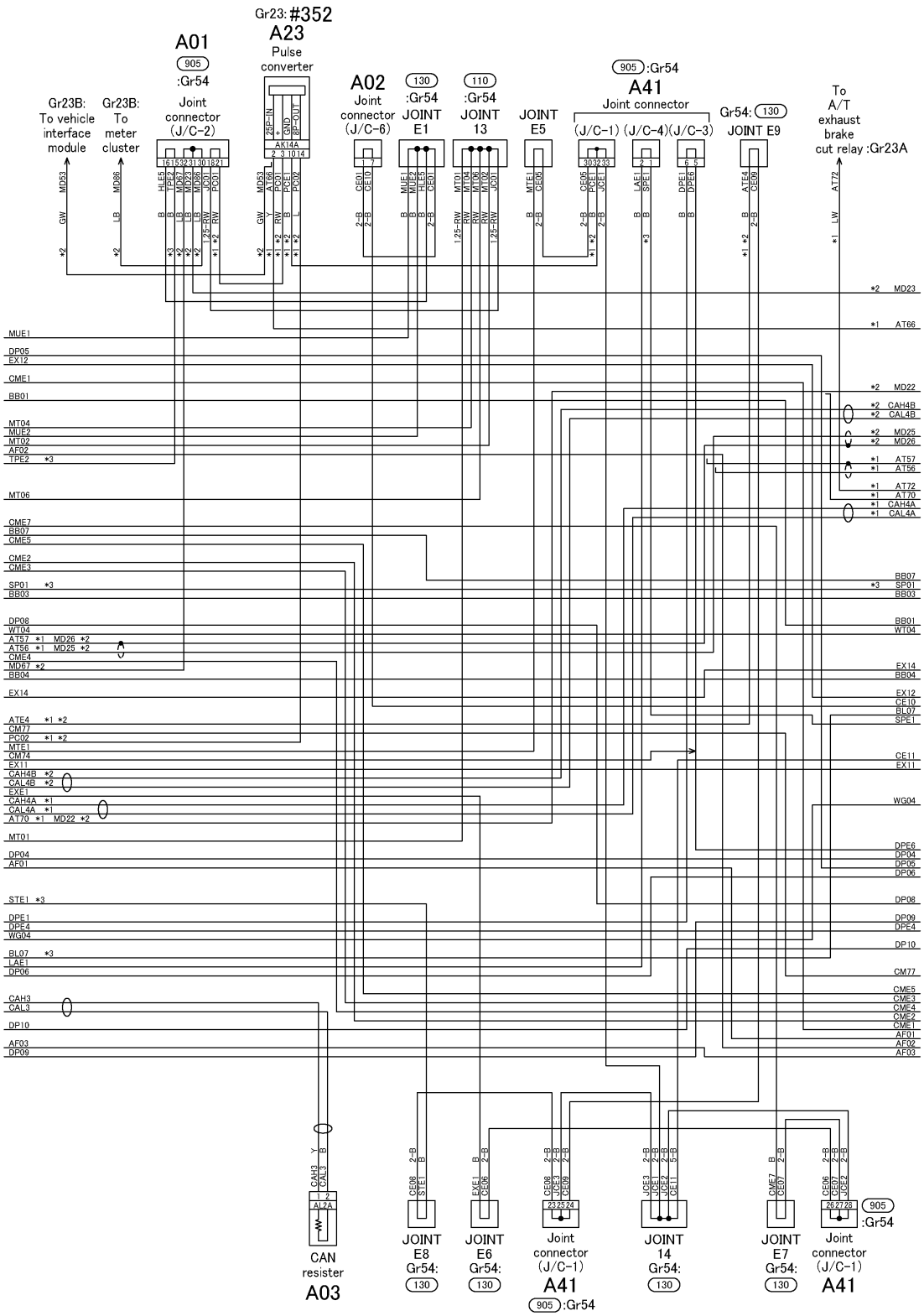

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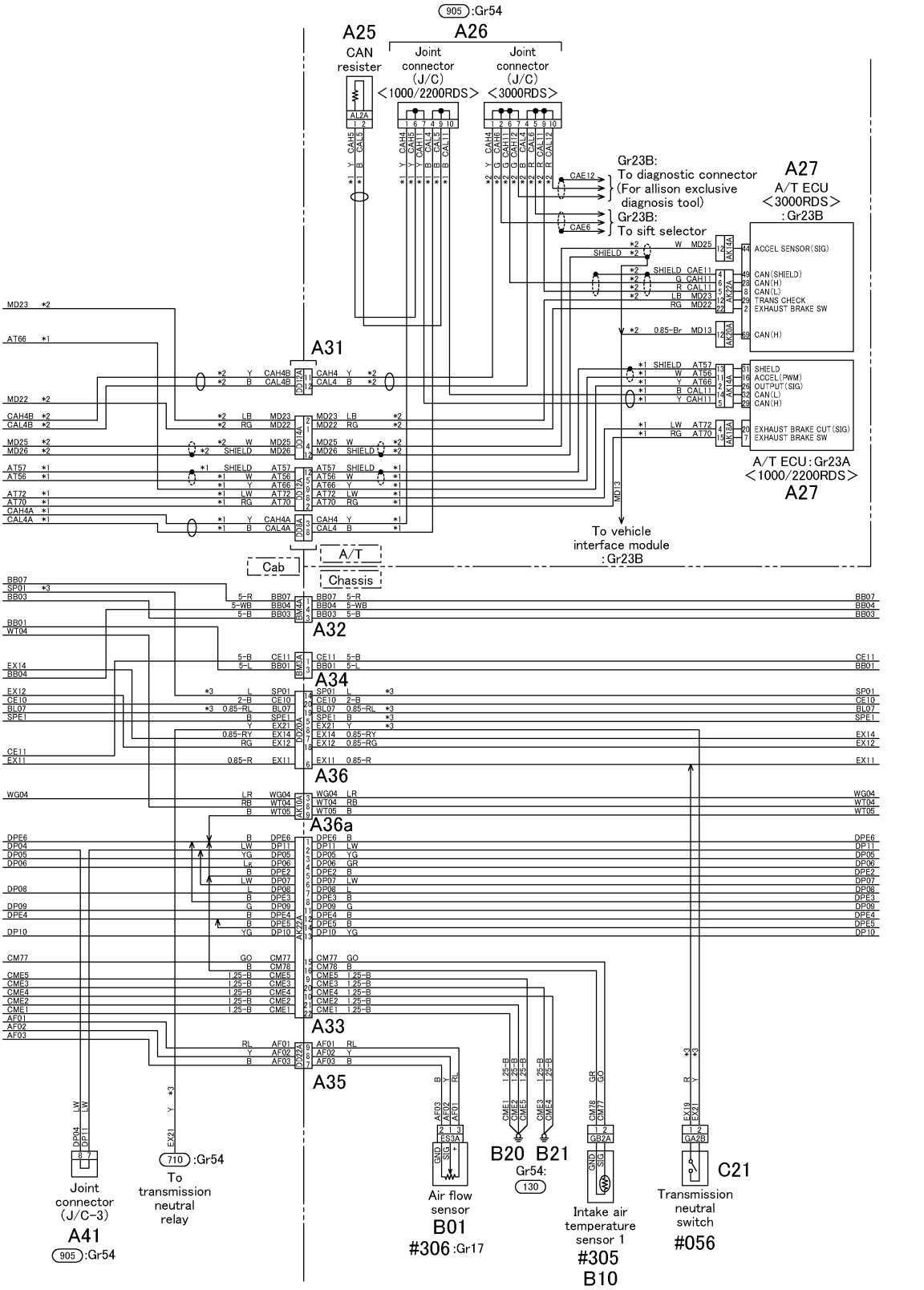

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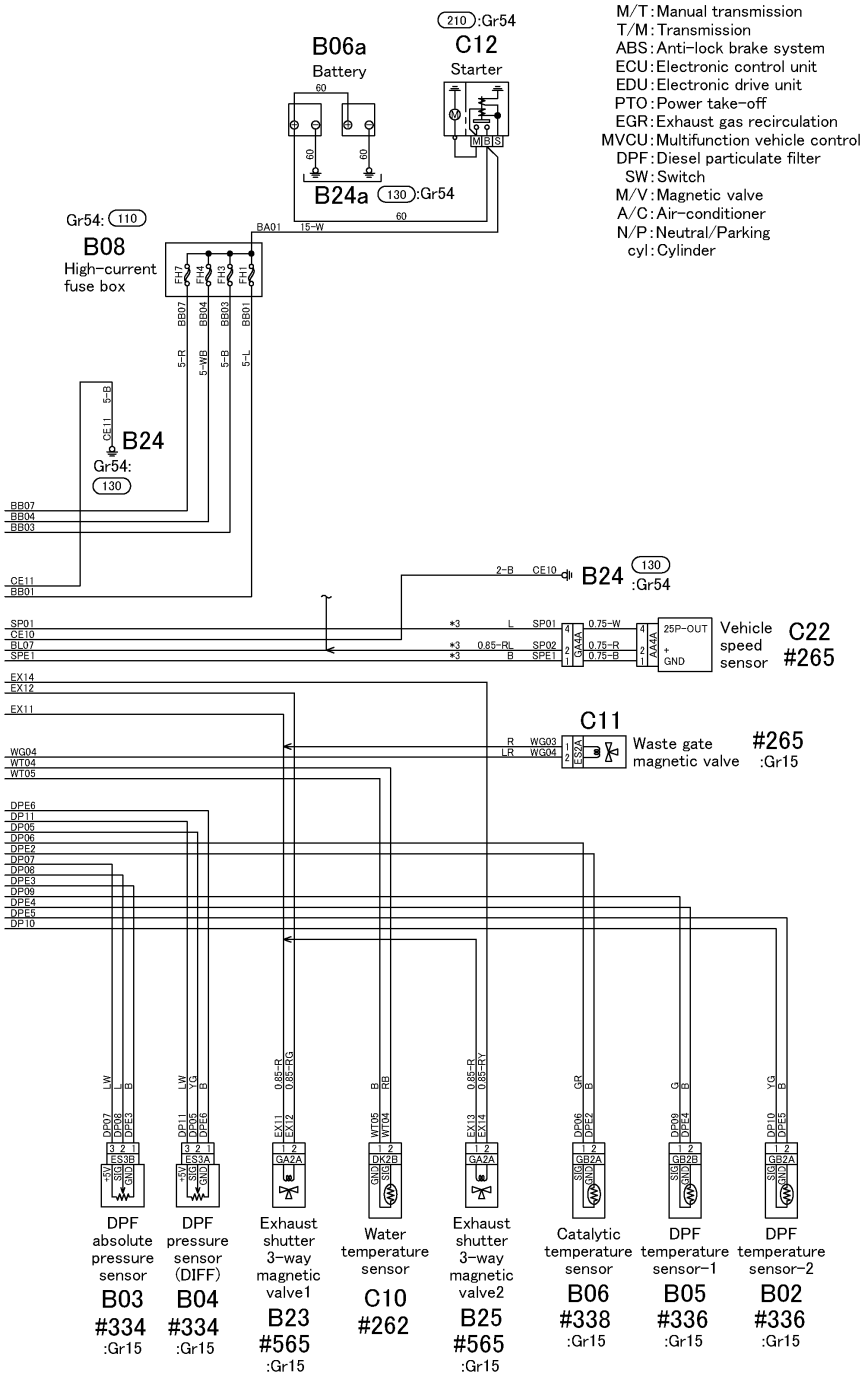
A/T: Automatic transmission
M/T: Manual transmission
T/M: Transmission
ABS: Anti-lock brake system
ECU: Electronic control unit
EDU: Electronic drive unit
PTO: Power take-off
EGR: Exhaust gas recirculation
MVCU: Multifunction vehicle control unit
DPF: Diesel particulate filter
SW: Switch
M/V: Magnetic valve
A/C: Air-conditioner
N/P: Neutral/Parking
cyl: Cylinder



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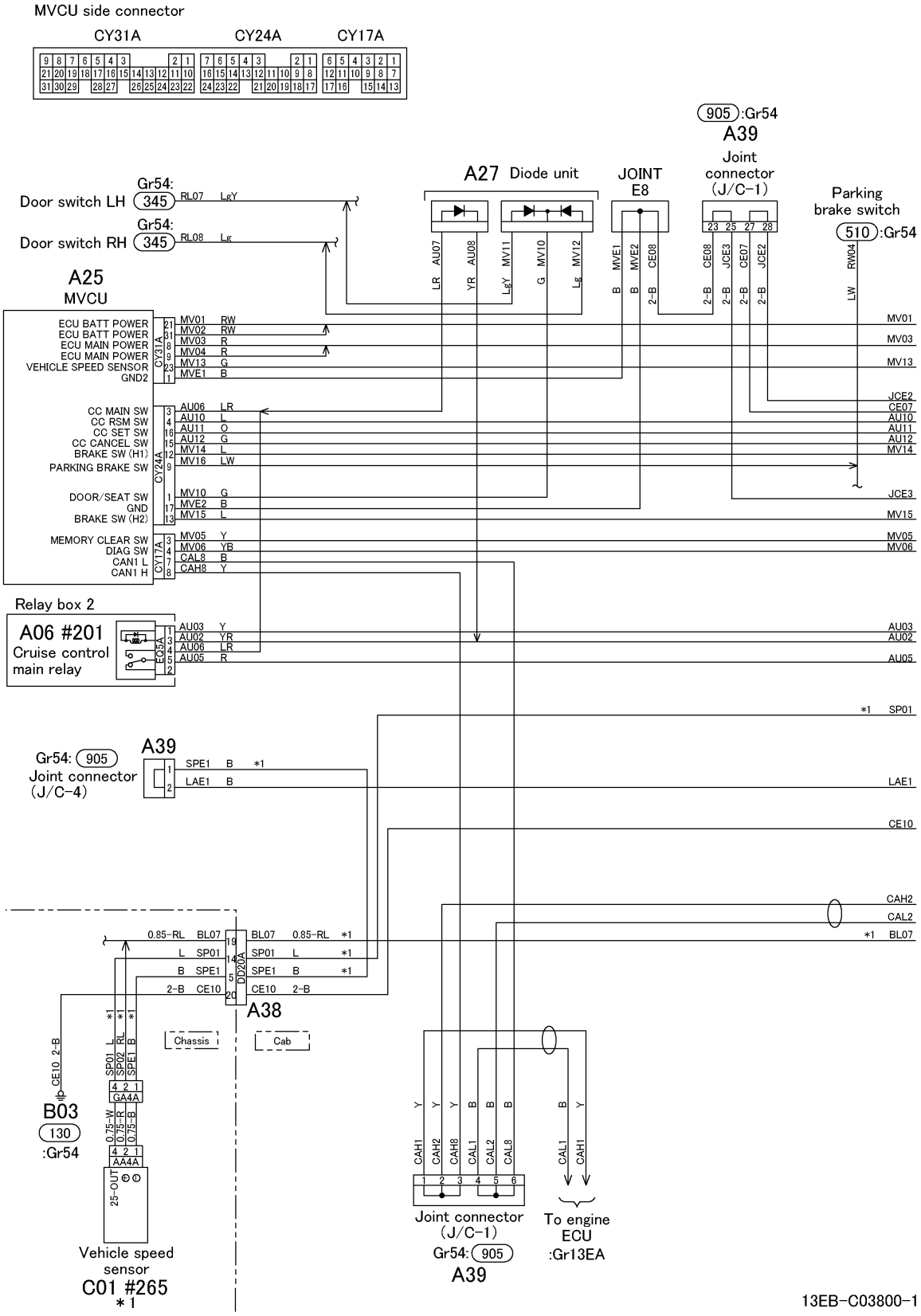
CRUISE CONTROL SYSTEM ELECTRIC CIRCUIT



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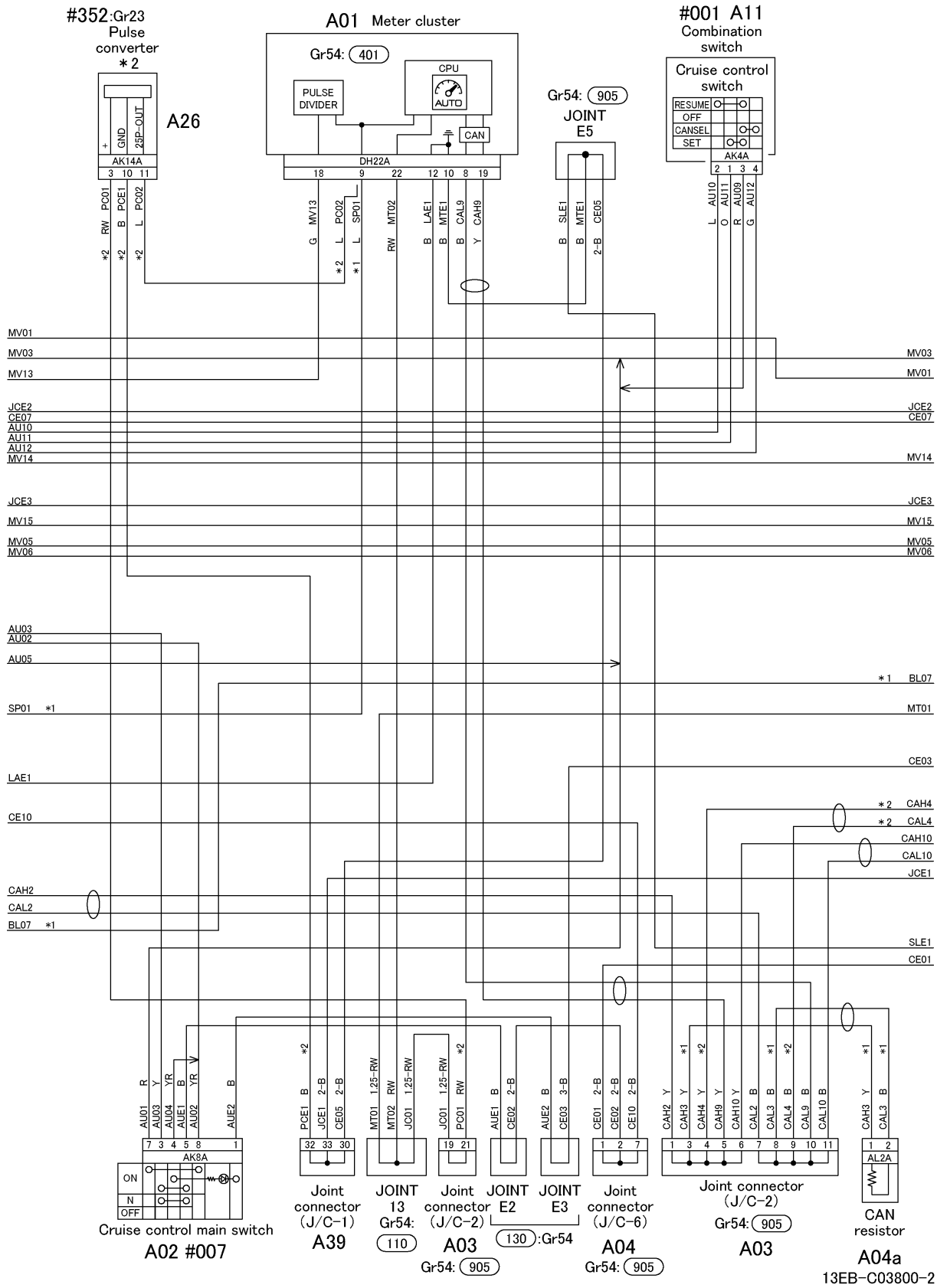
CRUISE CONTROL SYSTEM ELECTRIC CIRCUIT



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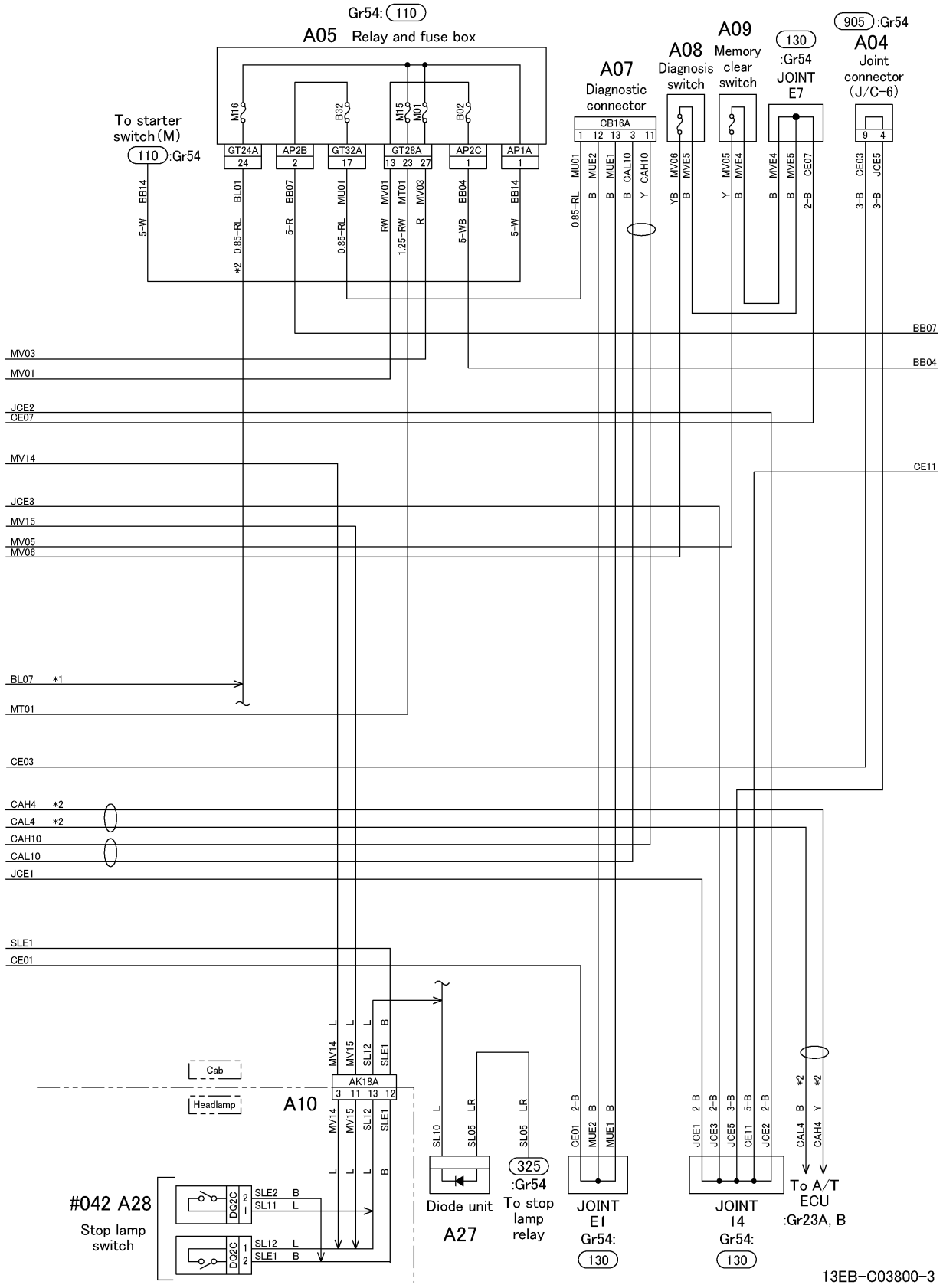
CRUISE CONTROL SYSTEM ELECTRIC CIRCUIT



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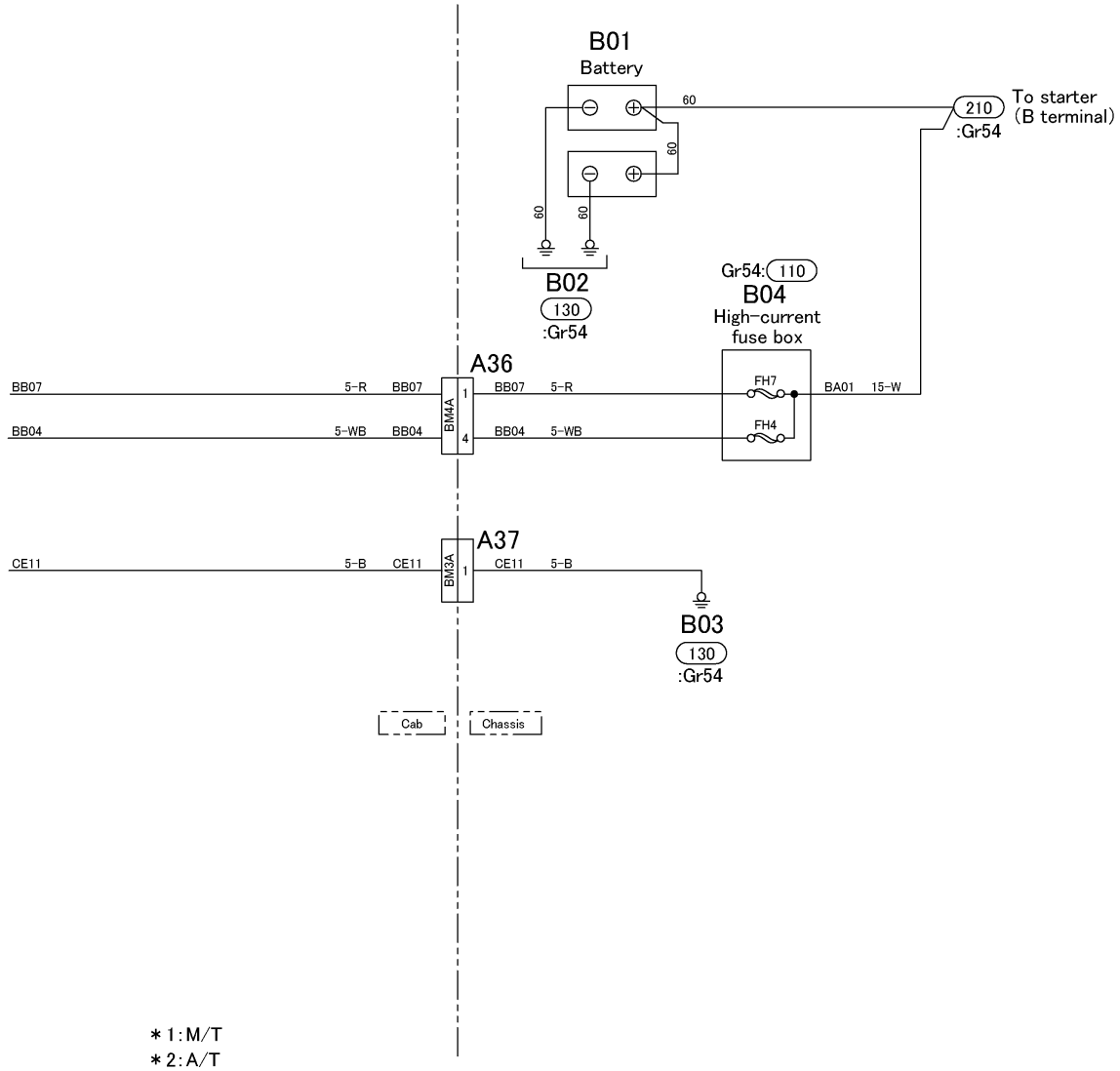
CRUISE CONTROL SYSTEM ELECTRIC CIRCUIT



＊1: M/T
＊2: A/T

A/T: Automatic transmission
M/T: Manual transmission
MVCU: Multifunction vehicle control unit
ECU: Electronic control unit

; Twist wire

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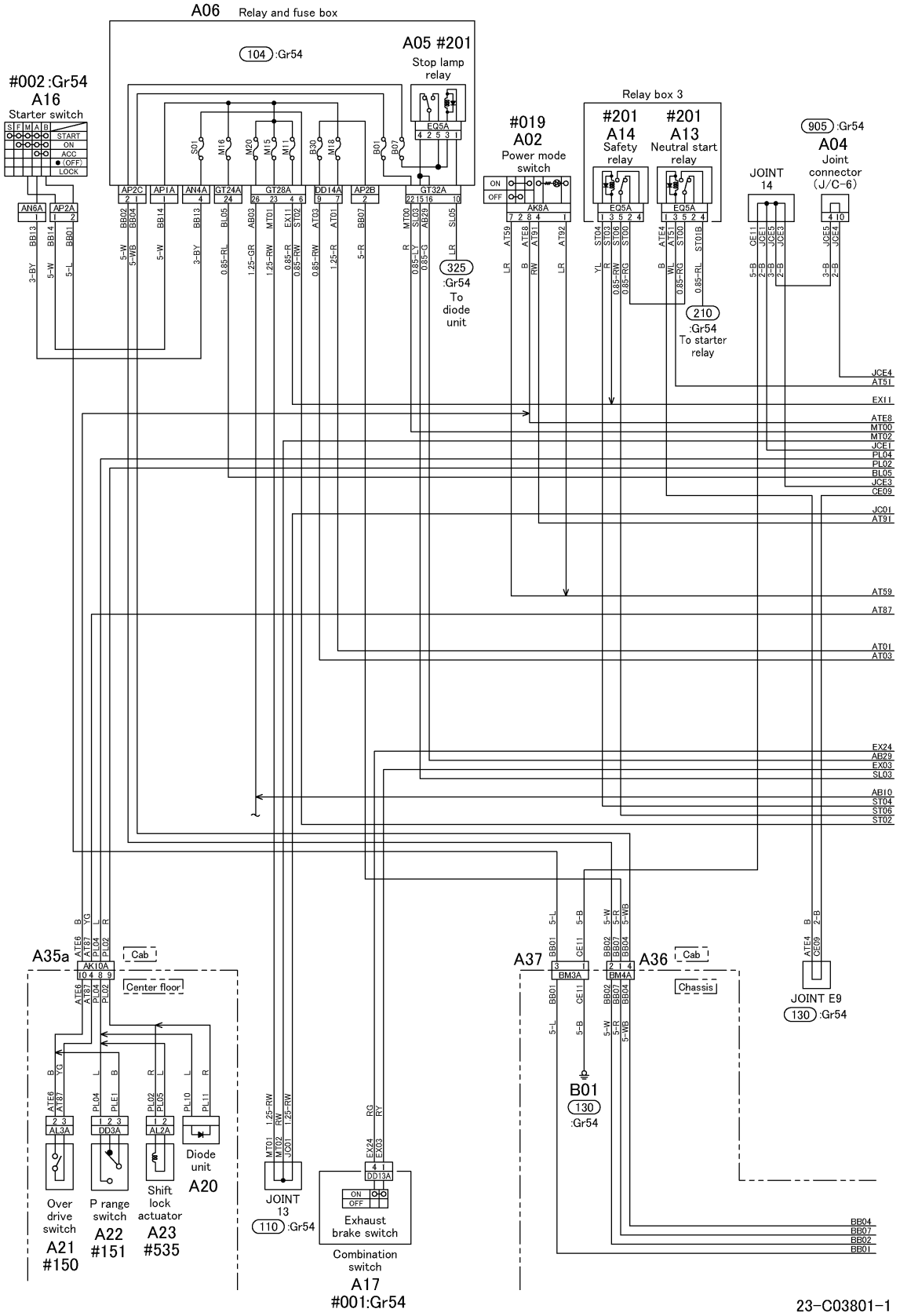
AUTOMATIC TRANSMISSION CIRCUIT <Allison 1000 RDS, 2200 RDS>



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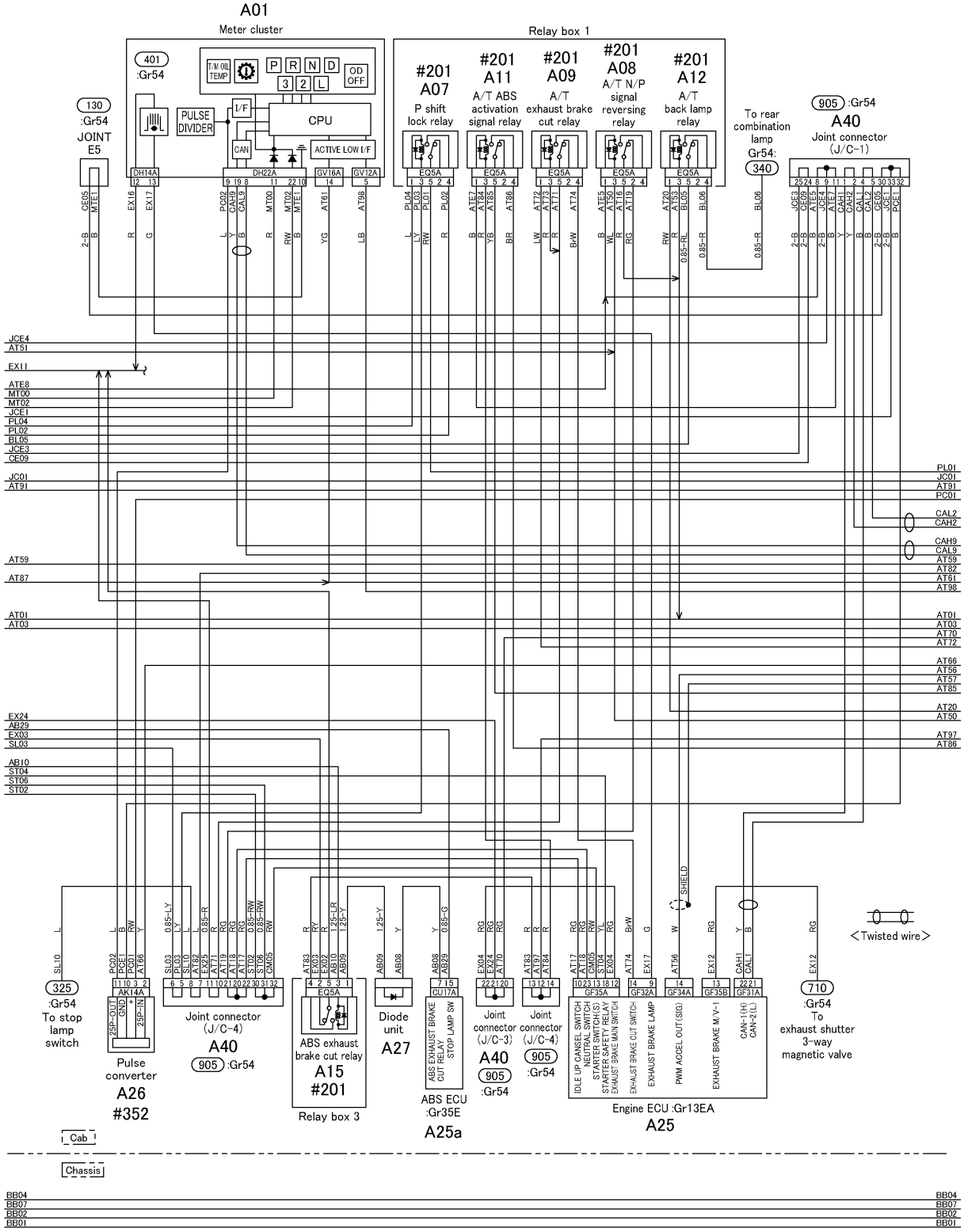
AUTOMATIC TRANSMISSION CIRCUIT <Allison 1000 RDS, 2200 RDS>



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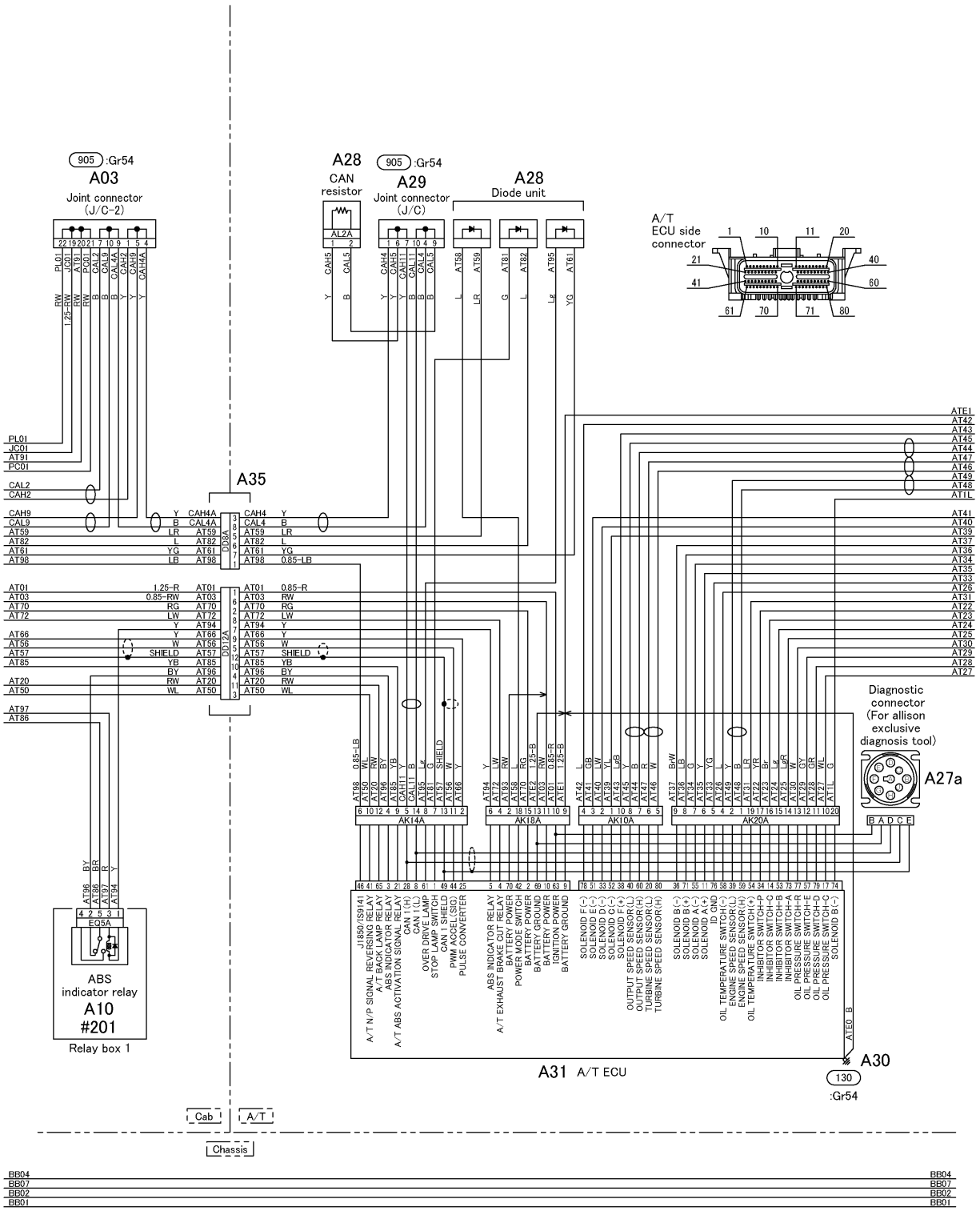
AUTOMATIC TRANSMISSION CIRCUIT <Allison 1000 RDS, 2200 RDS>



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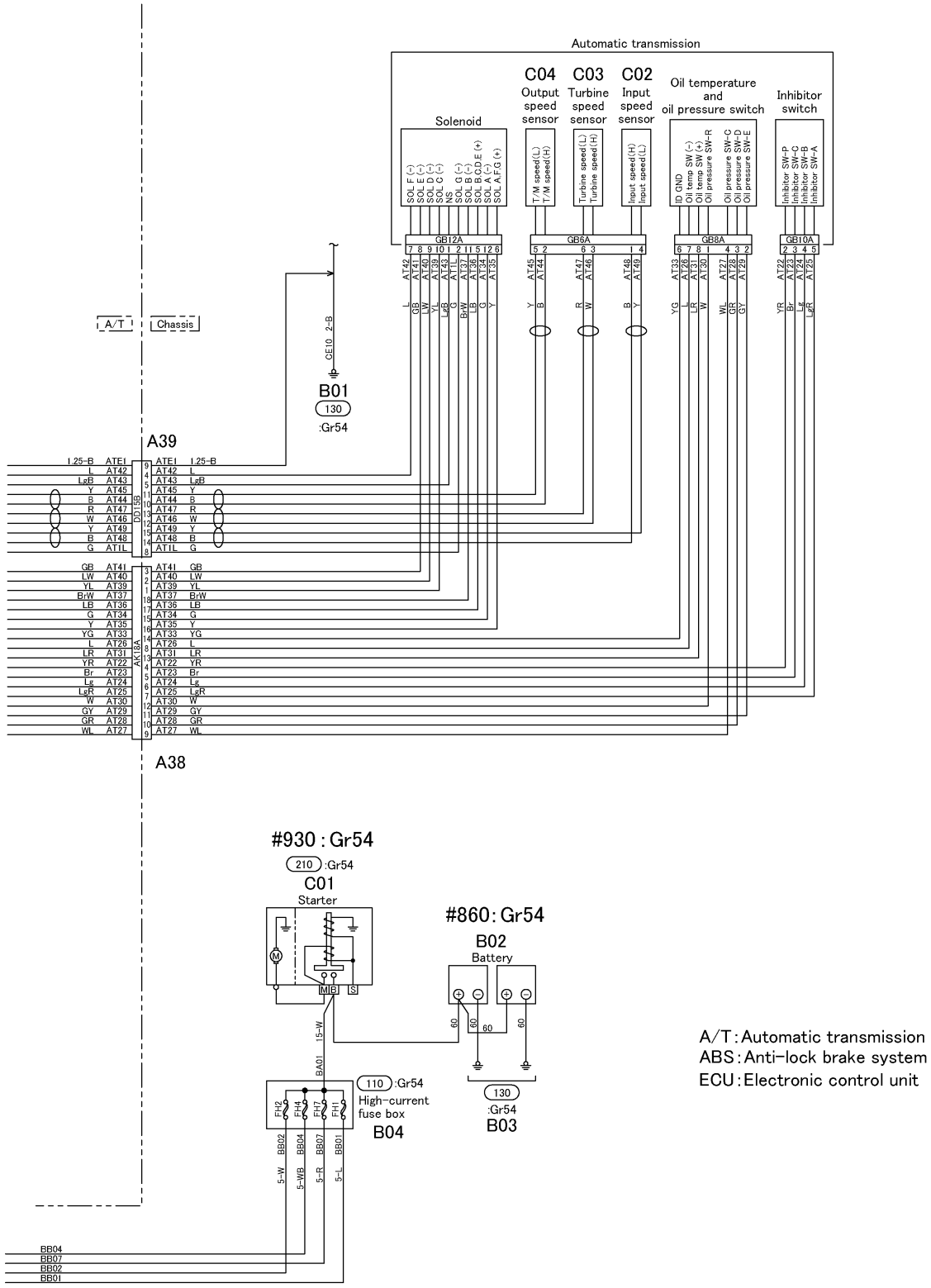
AUTOMATIC TRANSMISSION CIRCUIT <Allison 1000 RDS, 2200 RDS>



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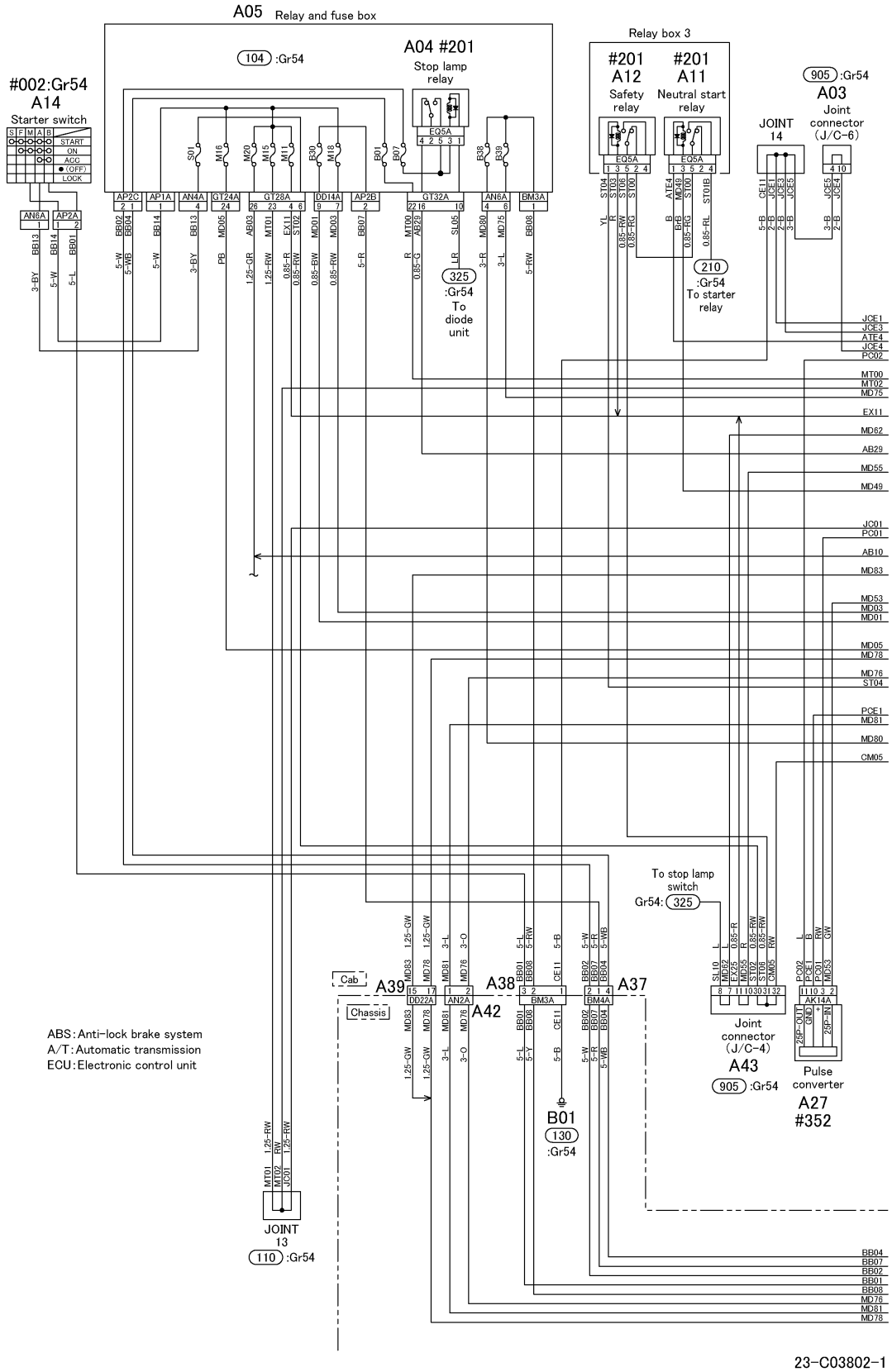
AUTOMATIC TRANSMISSION CIRCUIT <Allison 3000 RDS>



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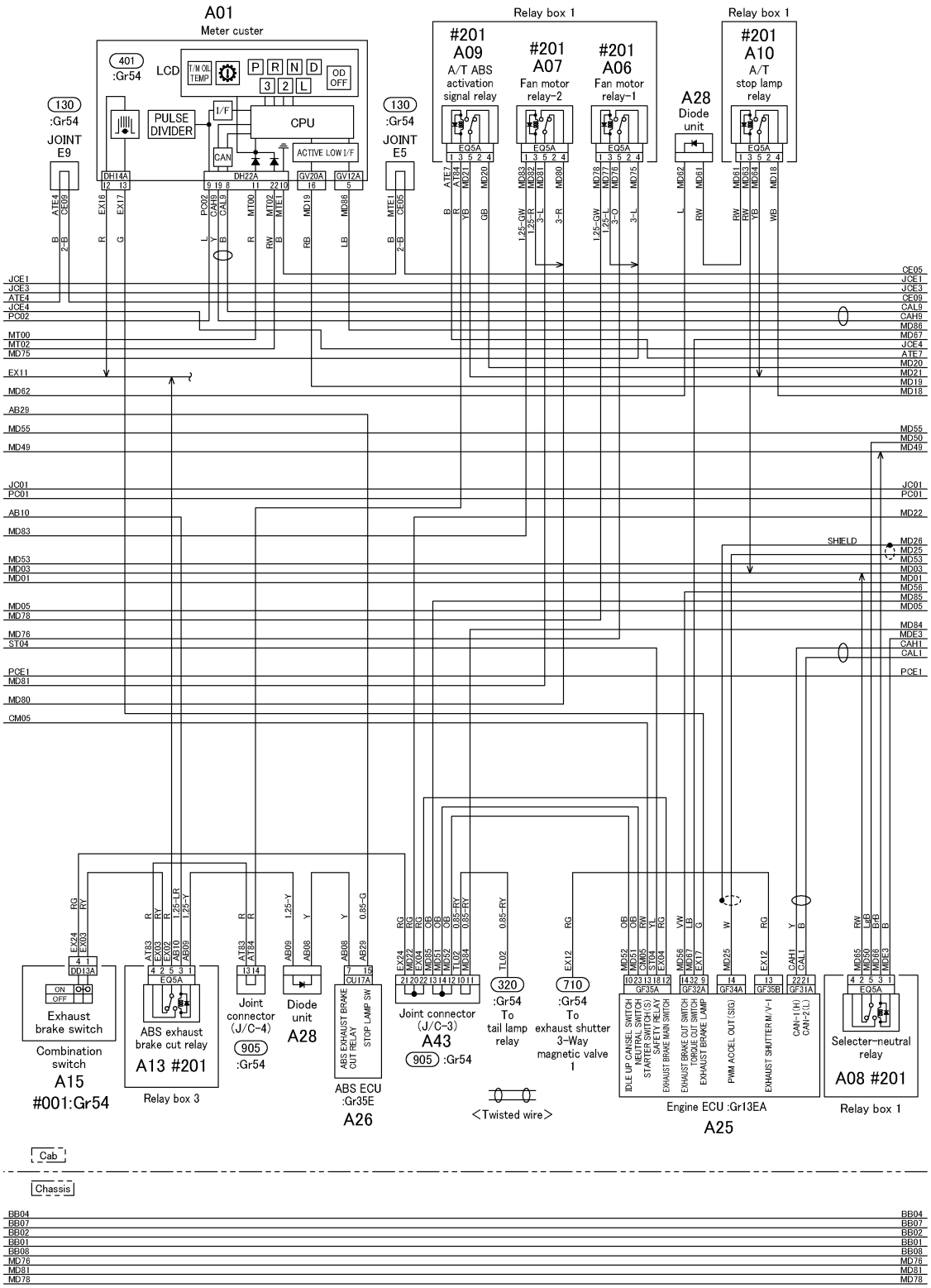
AUTOMATIC TRANSMISSION CIRCUIT <Allison 3000 RDS>



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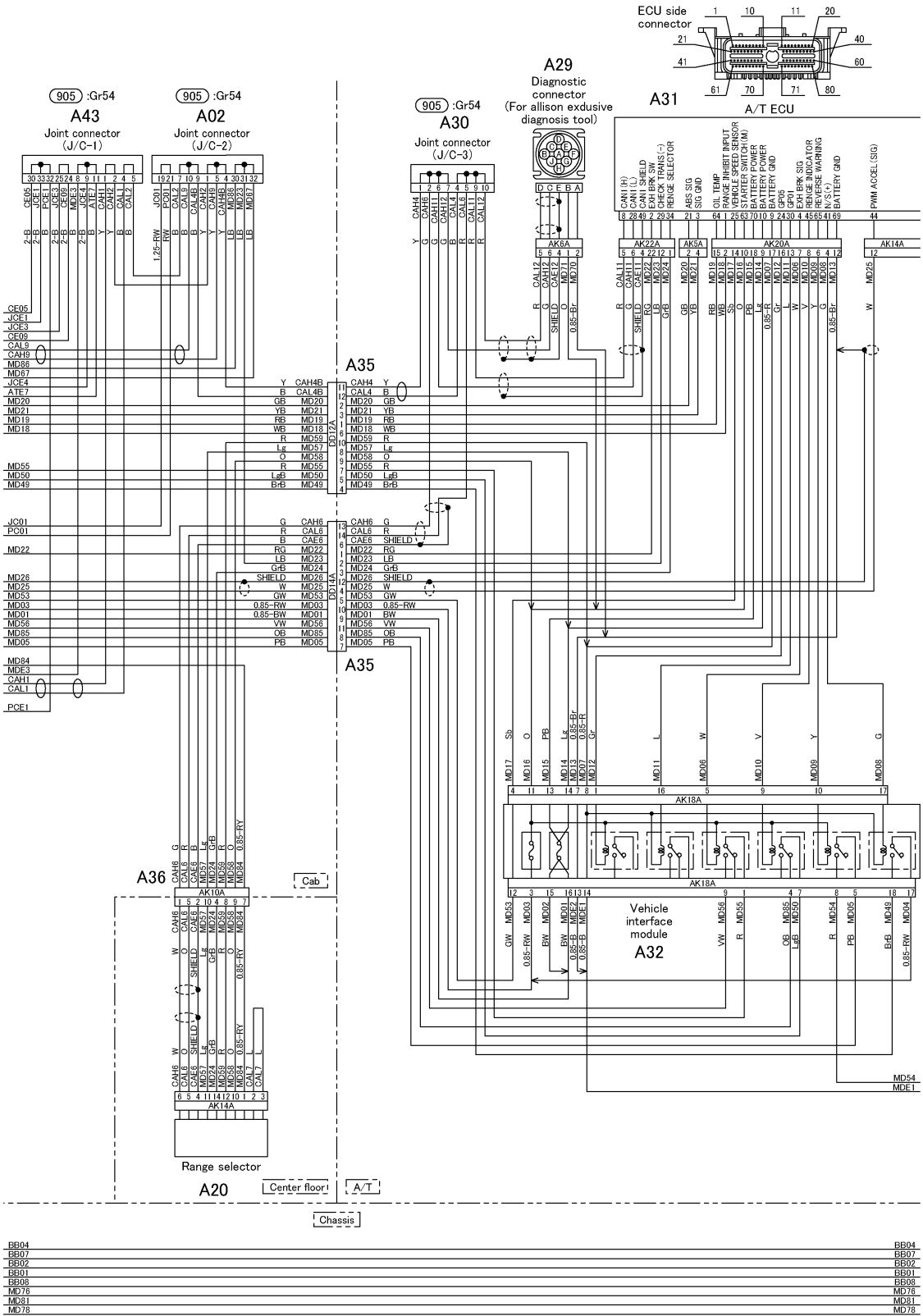
AUTOMATIC TRANSMISSION CIRCUIT <Allison 3000 RDS>



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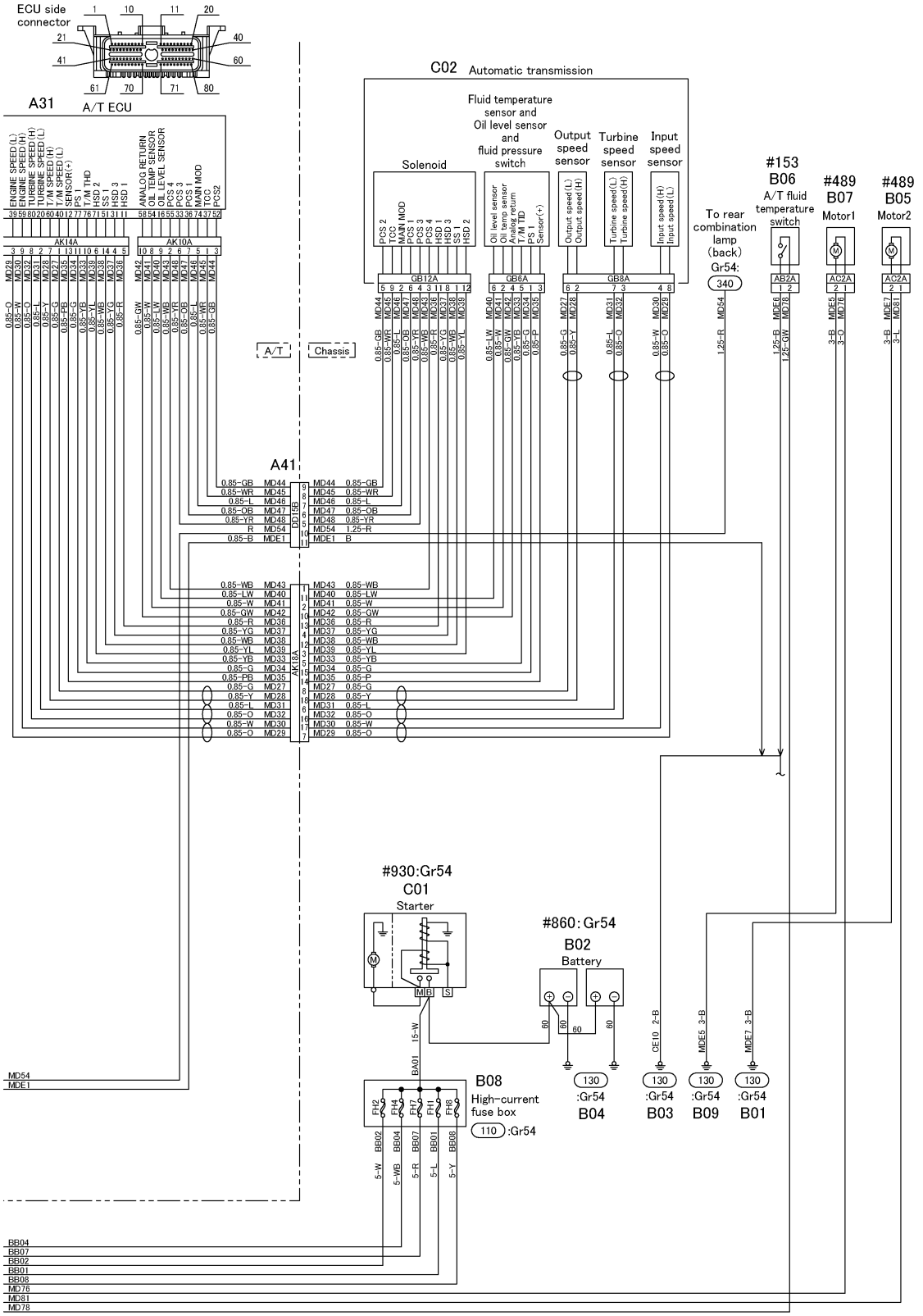
AUTOMATIC TRANSMISSION CIRCUIT <Allison 3000 RDS>



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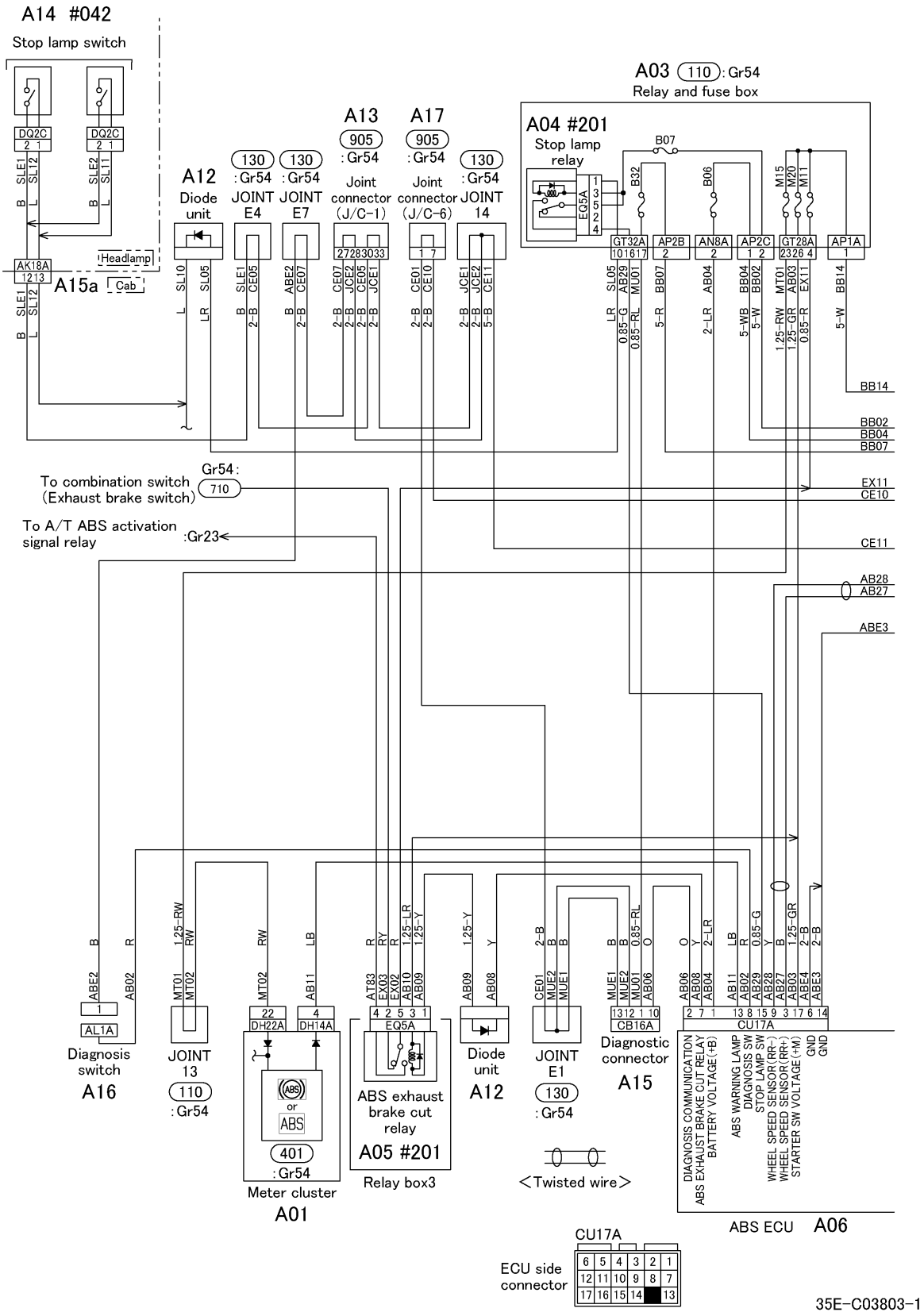
ANTI-LOCK BRAKE SYSTEM CIRCUIT



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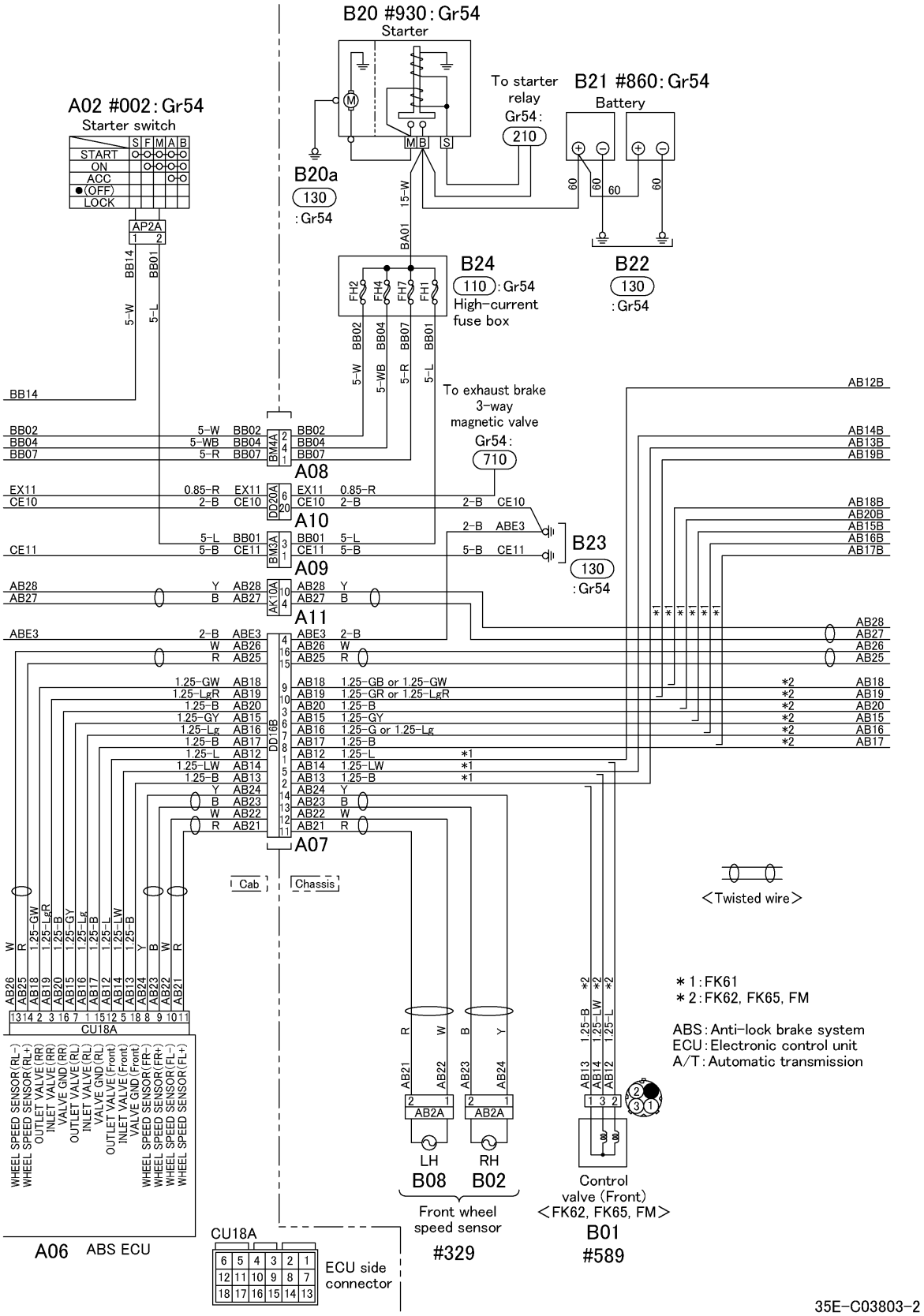
ANTI-LOCK BRAKE SYSTEM CIRCUIT



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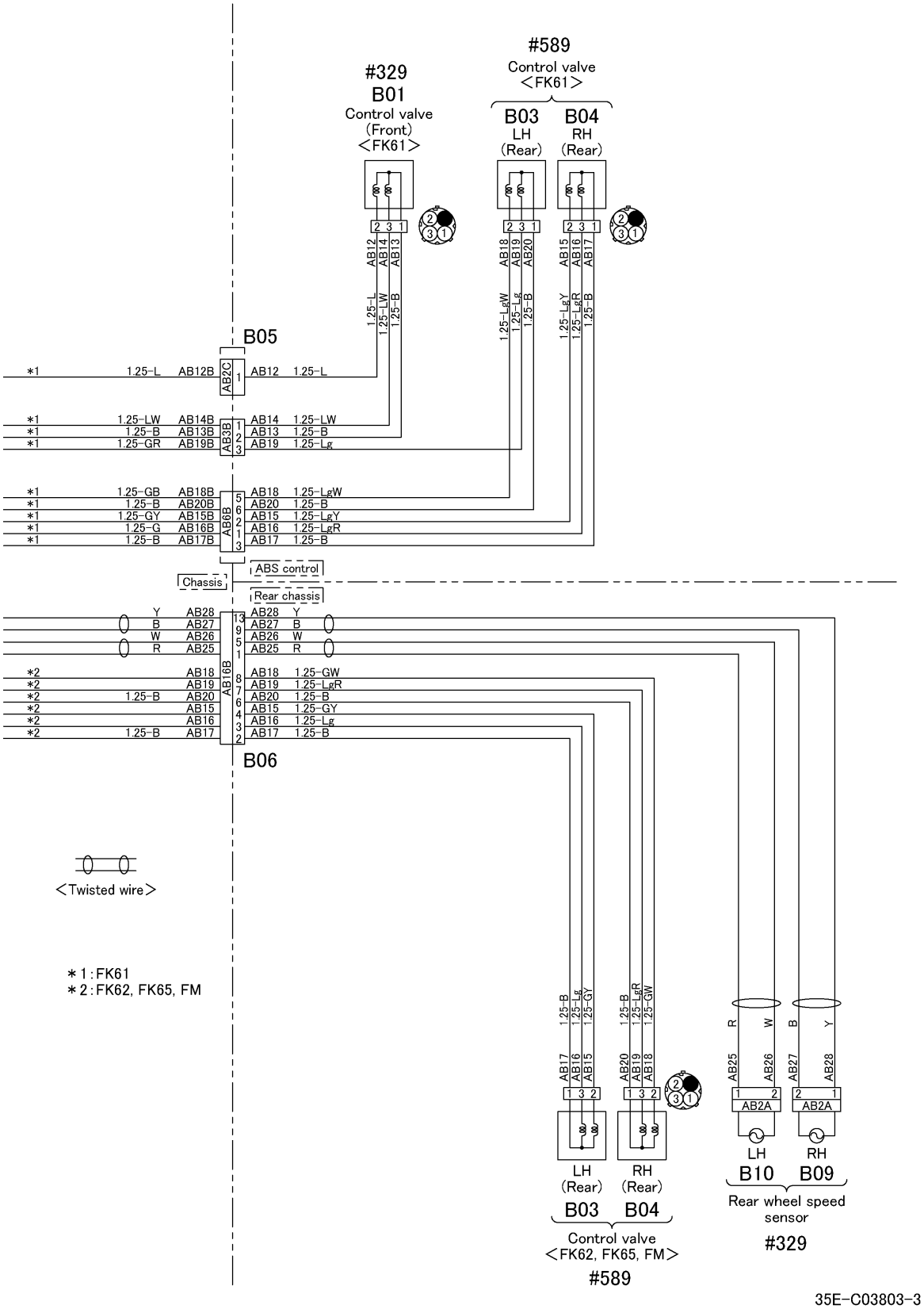
ANTI-LOCK BRAKE SYSTEM CIRCUIT



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BODY BUILDER'S DRAWINGS AND SUPPORTING DATA

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SEP. 2007