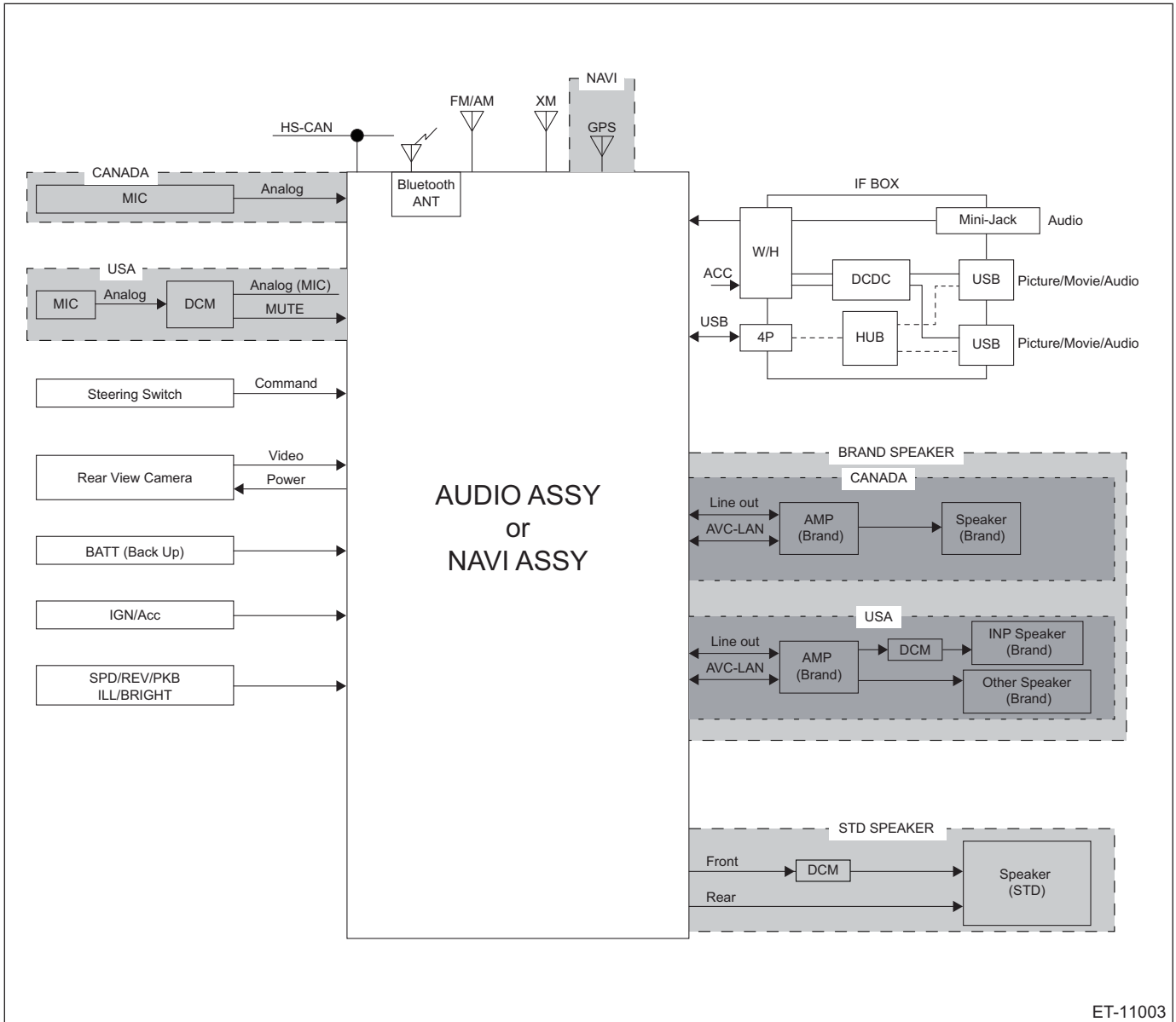


2. SYSTEM BLOCK DIAGRAM

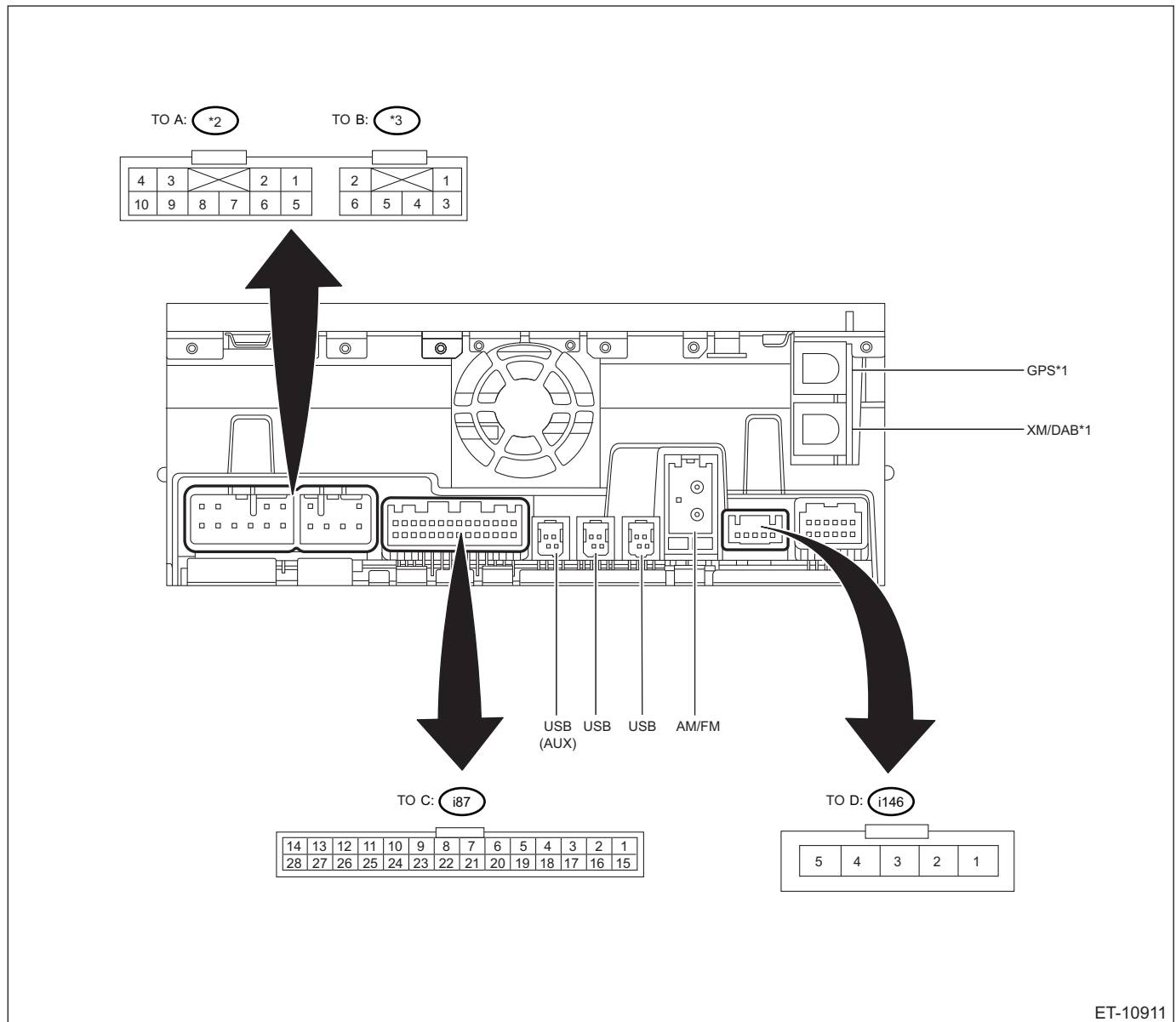


Navigation System

ENTERTAINMENT & MONITORING

3. MODULE I/O SIGNAL

Unit body



*1: Only model with navigation system

*2: Model without power amplifier: i85
Model with power amplifier: i35

*3: Model without power amplifier: i131
Model with power amplifier: i36

- Power supply and speaker output terminal
 - Model without power amplifier

Terminal No.	Contents	Measuring condition	Measurement value	Note
(i85) No. 1	FR+	—	—	—
(i85) No. 2	FL+	—	—	—
(i85) No. 3 ↔ Chassis ground	ACC	ACC ON	11 — 15 V	—
(i85) No. 4 ↔ Chassis ground	+B	Always	11 — 15 V	—

Navigation System

ENTERTAINMENT & MONITORING

Terminal No.	Contents	Measuring condition	Measurement value	Note
(i85) No. 5	FR-	—	—	—
(i85) No. 6	FL-	—	—	—
(i85) No. 7 ↔ Chassis ground	GND	Always	0 V	—
(i85) No. 8	ANT-ON	—	—	—
(i85) No. 9	NC	—	—	—
(i85) No. 10	ILL+	—	—	—
(i131) No. 1	RR+	—	—	—
(i131) No. 2	RL+	—	—	—
(i131) No. 3	RR-	—	—	—
(i131) No. 4	NC	—	—	—
(i131) No. 5	ILL-	—	—	—
(i131) No. 6	RL-	—	—	—

– Model with power amplifier

Terminal No.	Contents	Measuring condition	Measurement value	Note
(i35) No. 1	FR+	—	—	—
(i35) No. 2	FL+	—	—	—
(i35) No. 3 ↔ Chassis ground	ACC	ACC ON	11 — 15 V	—
(i35) No. 4 ↔ Chassis ground	+B	Always	11 — 15 V	—
(i35) No. 5	FR-	—	—	—
(i35) No. 6	FL-	—	—	—
(i35) No. 7 ↔ Chassis ground	GND	Always	0 V	—
(i35) No. 8	ANT-ON	—	—	—
(i35) No. 9	NC	—	—	—
(i35) No. 10	ILL+	—	—	—
(i36) No. 1	NC	—	—	—
(i36) No. 2	INT	—	—	—
(i36) No. 3	NC	—	—	—
(i36) No. 4	SLD2	—	—	—
(i36) No. 5	ILL-	—	—	—
(i36) No. 6	INT-	—	—	—

Navigation System

ENTERTAINMENT & MONITORING

- Steering switch and AUX input terminal for microphone etc.

Terminal No.	Contents	Measuring condition	Measurement value	Note
(i87) No. 1 ↔ Chassis ground	IGN	IGN ON	11 — 15 V	—
(i87) No. 2	REVERSE	—	—	—
(i87) No. 3	BRIGHT	—	—	—
(i87) No. 4	VCC	—	—	—
(i87) No. 5	MIC+	—	—	—
(i87) No. 6	MIC DET	—	—	—
(i87) No. 7	NC-*1 / AMP CAN+ (for AMP communication)*2	—	—	—
(i87) No. 8	NC-*1 / AMP CAN- (for AMP communication)*2	—	—	—
(i87) No. 9	CAN+	—	—	—
(i87) No. 10	CAN-	—	—	—
(i87) No. 11	AC-UART (+)	—	—	—
(i87) No. 12	AC-UART (-)	—	—	—
(i87) No. 13	MIC2+	—	—	—
(i87) No. 14	MIC2-	—	—	—
(i87) No. 15 ↔ Chassis ground	PKB	At parking ON	1 V or less	—
(i87) No. 16	NC-*1 / MUTE*2	—	—	—
(i87) No. 17 ↔ Chassis ground	SPEED	When the tire is rotating	Pulse signal	—
(i87) No. 18	SGND	—	—	—
(i87) No. 19	MIC-	—	—	—
(i87) No. 20	TEST	—	—	—
(i87) No. 21	STEERING SW1+	—	—	—
(i87) No. 22	STEERING SW2+	—	—	—
(i87) No. 23	STEERING SW GND	—	—	—
(i87) No. 24	DCM MUTE	—	—	—
(i87) No. 25	FRONT ON	—	—	—
(i87) No. 26	R SING	—	—	—
(i87) No. 27	R/L SING	—	—	—
(i87) No. 28	L SING	—	—	—

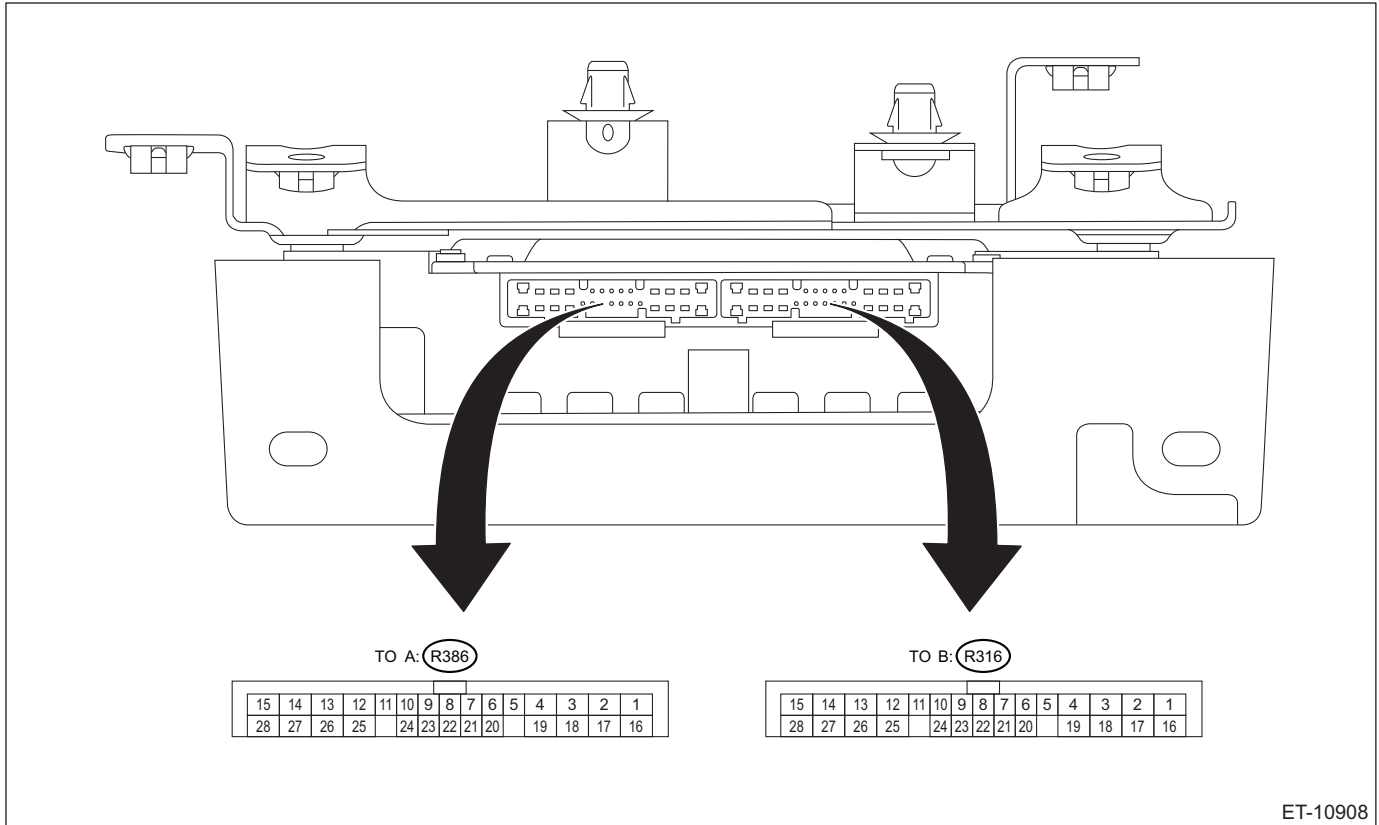
*1: Model without power amplifier

*2: Model with power amplifier

- Rearview camera

Terminal No.	Contents	Measuring condition	Measurement value	Note
(i146) No. 1 ↔ Chassis ground	GND	Always	0 V	—
(i146) No. 2	6 V+	—	—	—
(i146) No. 3	CA+	—	—	—
(i146) No. 4	CA-	—	—	—
(i146) No. 5	NC	—	—	—

Power amplifier



Terminal No.	Contents	Measuring condition	Measurement value	Note
(R386) No. 1	NC	—	—	—
(R386) No. 2	NC	—	—	—
(R386) No. 3	NC	—	—	—
(R386) No. 4	NC	—	—	—
(R386) No. 5	TX-	—	—	—
(R386) No. 6	TX+	—	—	—
(R386) No. 7	IL1+	—	—	—
(R386) No. 8 ↔ Chassis ground	ACC	ACC ON	11 — 15 V	—
(R386) No. 9	NC	—	—	—
(R386) No. 10	NC	—	—	—
(R386) No. 11	NC	—	—	—
(R386) No. 12 ↔ Chassis ground	+B	Always	11 — 15 V	—
(R386) No. 13 ↔ Chassis ground	+B	Always	11 — 15 V	—
(R386) No. 14 ↔ Chassis ground	+B	Always	11 — 15 V	—
(R386) No. 15 ↔ Chassis ground	+B	Always	11 — 15 V	—
(R386) No. 16	NC	—	—	—
(R386) No. 17	NC	—	—	—
(R386) No. 18	NC	—	—	—
(R386) No. 19	NC	—	—	—
(R386) No. 20	NC	—	—	—
(R386) No. 21	IL-	—	—	—

Navigation System

ENTERTAINMENT & MONITORING

Terminal No.	Contents	Measuring condition	Measurement value	Note
(R386) No. 22	NC	—	—	—
(R386) No. 23	NC	—	—	—
(R386) No. 24	NC	—	—	—
(R386) No. 25 ←→ Chassis ground	GND	Always	0 V	—
(R386) No. 26 ←→ Chassis ground	GND	Always	0 V	—
(R386) No. 27 ←→ Chassis ground	GND	Always	0 V	—
(R386) No. 28 ←→ Chassis ground	GND	Always	0 V	—
(R316) No. 1	FR+	—	—	—
(R316) No. 2	TWR+	—	—	—
(R316) No. 3	RR+	—	—	—
(R316) No. 4	WF2	—	—	—
(R316) No. 5	NC	—	—	—
(R316) No. 6	L+	—	—	—
(R316) No. 7	R+	—	—	—
(R316) No. 8	NC	—	—	—
(R316) No. 9	NC	—	—	—
(R316) No. 10	NC	—	—	—
(R316) No. 11	NC	—	—	—
(R316) No. 12	WF1+	—	—	—
(R316) No. 13	RL+	—	—	—
(R316) No. 14	TWL+	—	—	—
(R316) No. 15	FL+	—	—	—
(R316) No. 16	FR-	—	—	—
(R316) No. 17	TWR-	—	—	—
(R316) No. 18	RR-	—	—	—
(R316) No. 19	WF2-	—	—	—
(R316) No. 20	L-	—	—	—
(R316) No. 21	R-	—	—	—
(R316) No. 22	NC	—	—	—
(R316) No. 23	NC	—	—	—
(R316) No. 24	NC	—	—	—
(R316) No. 25	WF1-	—	—	—
(R316) No. 26	RL-	—	—	—
(R316) No. 27	TWL-	—	—	—
(R316) No. 28	FL-	—	—	—

D: NOTE

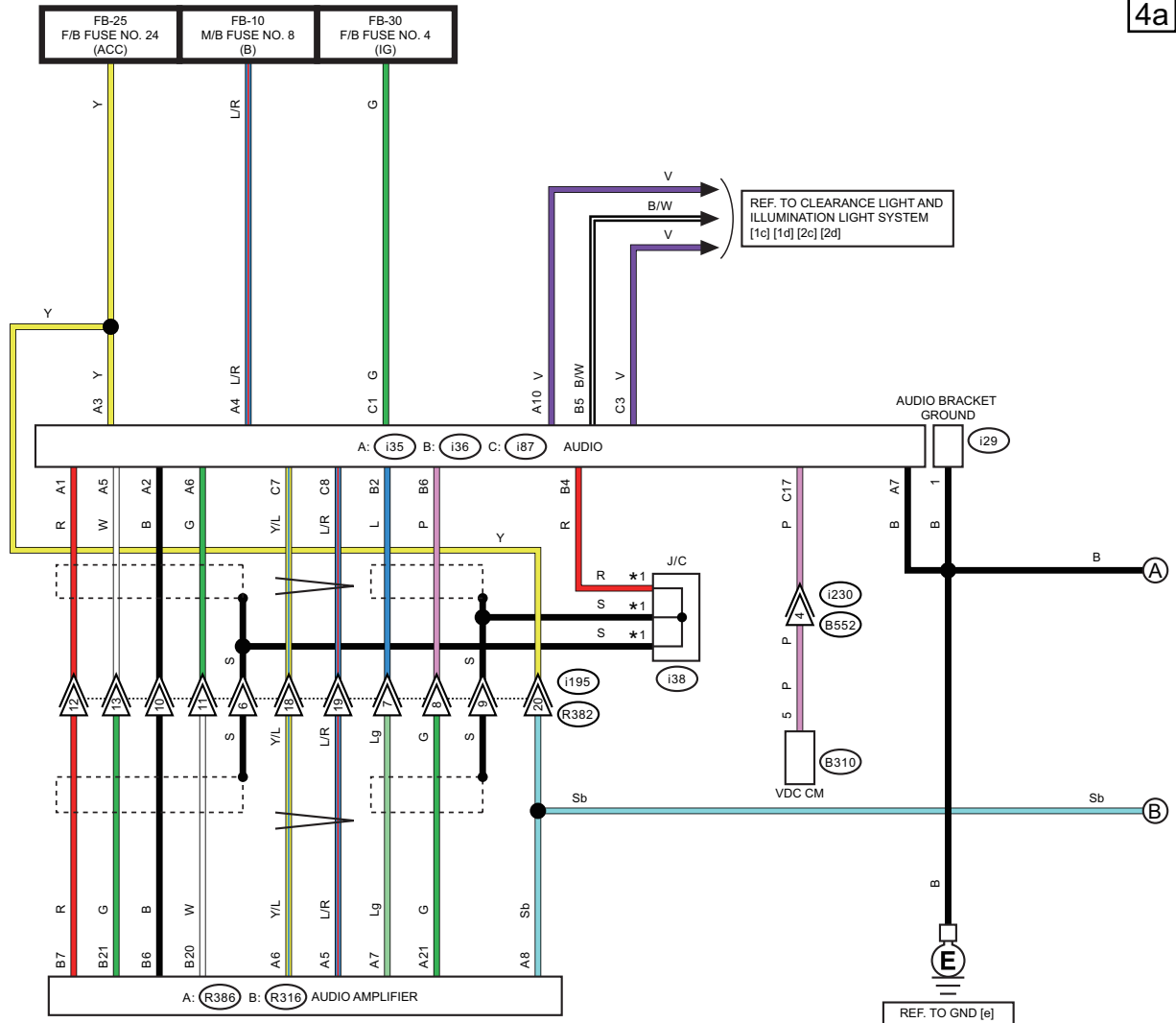
For procedure of each component in the navigation system, refer to the respective section.

- Navigation unit: <Ref. to ETM-39, Navigation Body.>
- GPS antenna: <Ref. to ETM-40, GPS Antenna.>

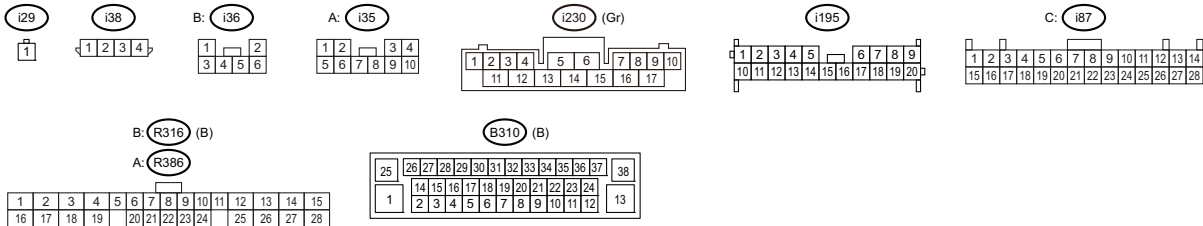
4. 7 INCH DISPLAY (WITH AUDIO AMPLIFIER, WITH TELEMATICS)

4a

4a



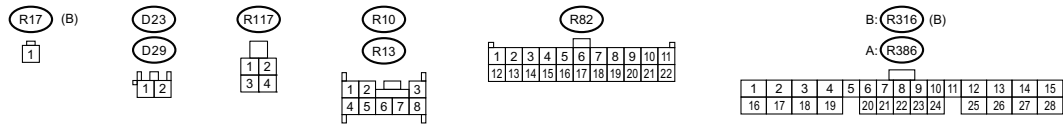
* 1 : TERMINAL No. OPTIONAL ARRANGEMENT



WI-78881

WIRING SYSTEM

4b

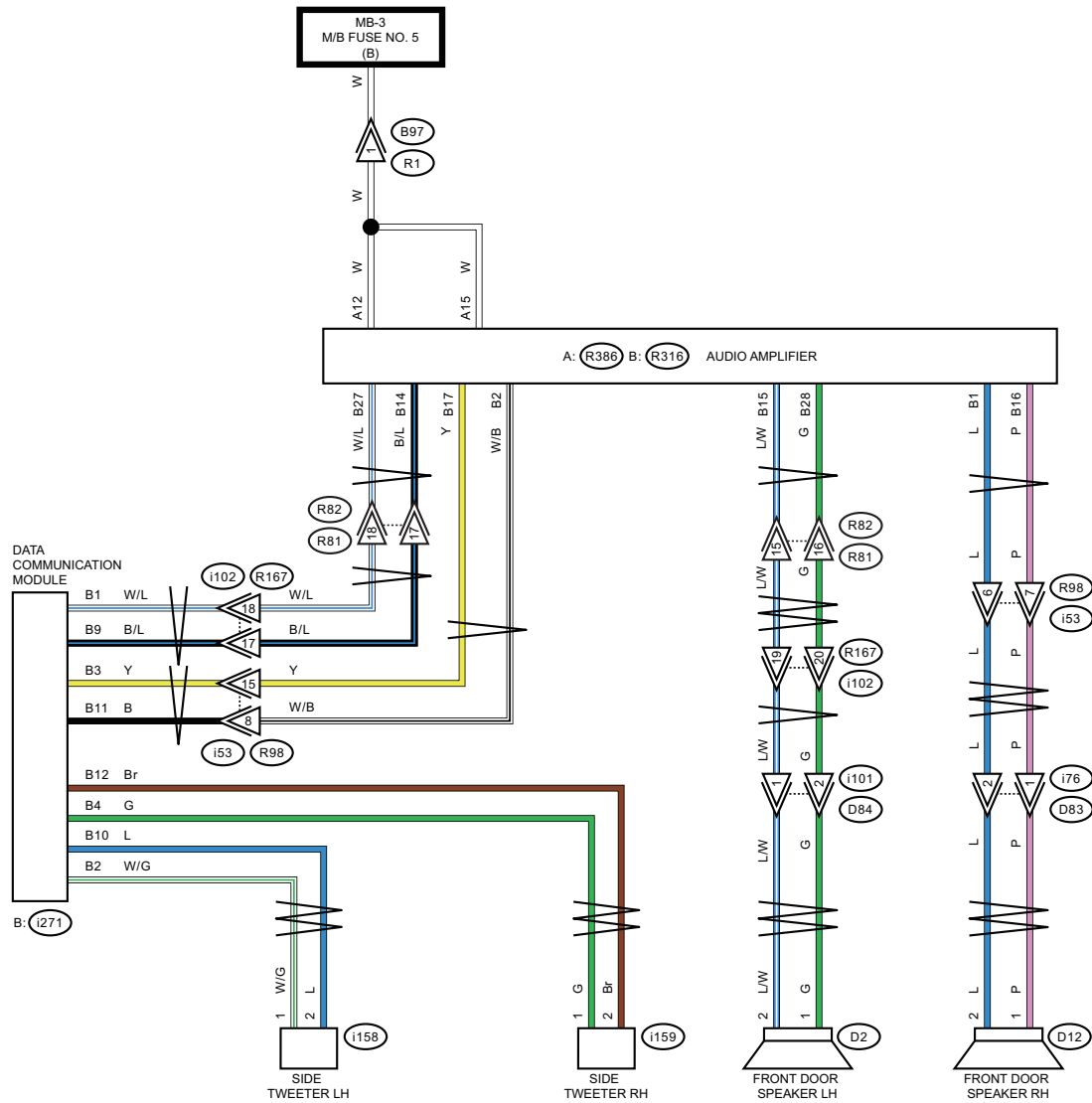
**WI-96**

Audio System

WIRING SYSTEM

4c

4c

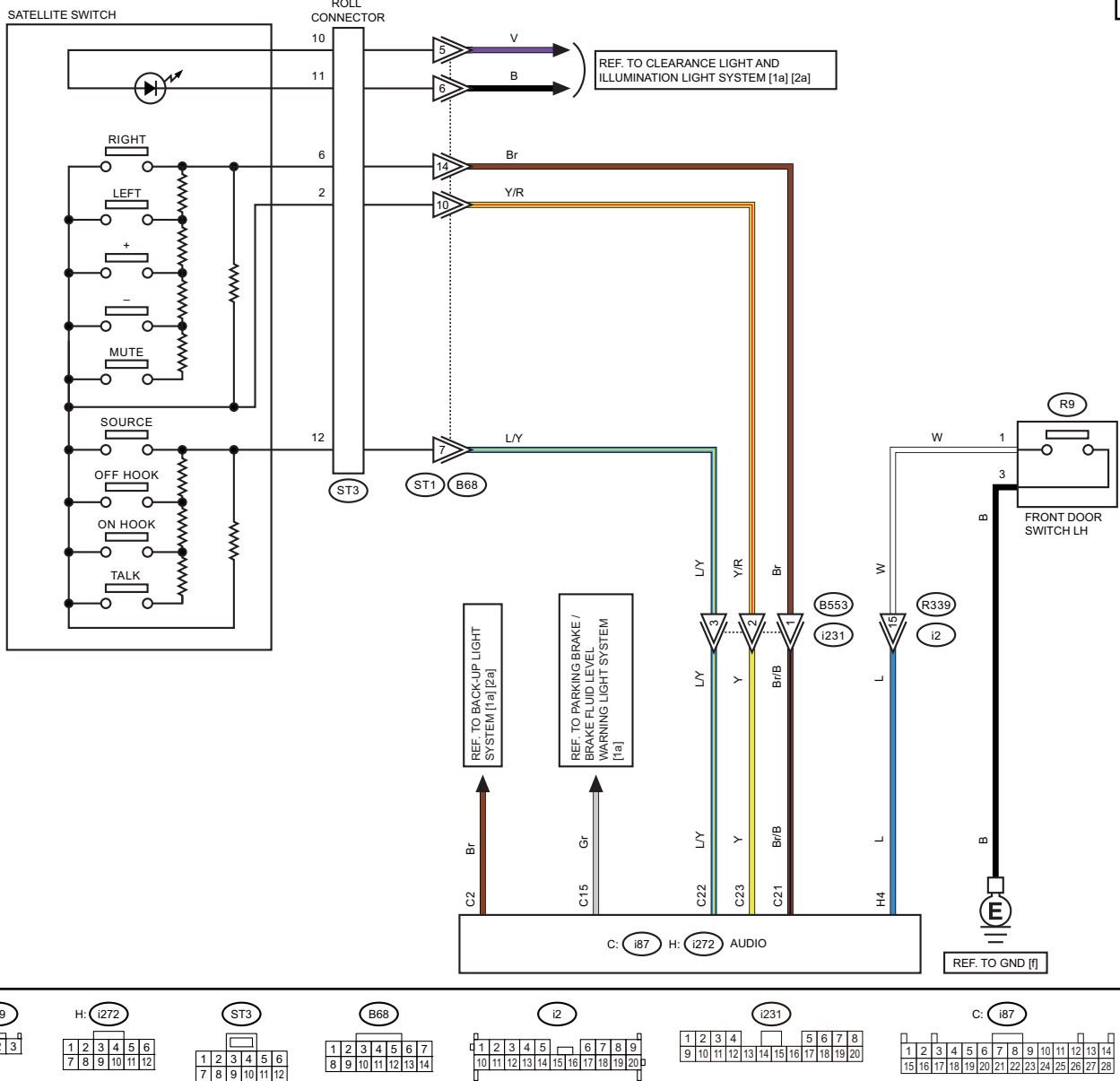


Audio System

WIRING SYSTEM

4d

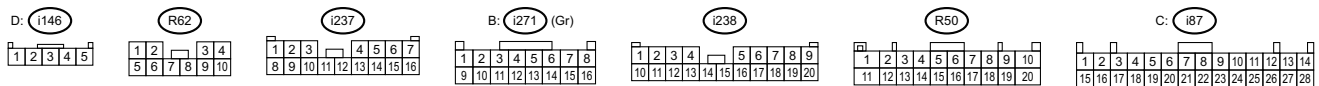
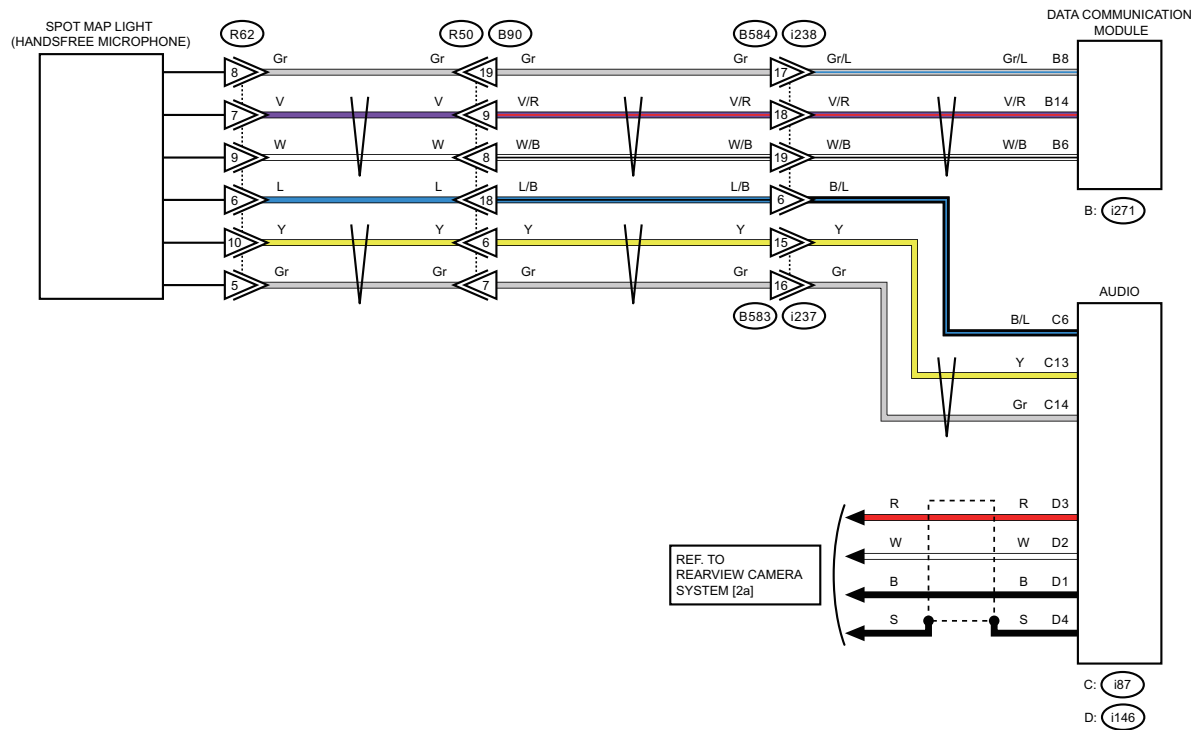
4d



WI-78884

4e

4e



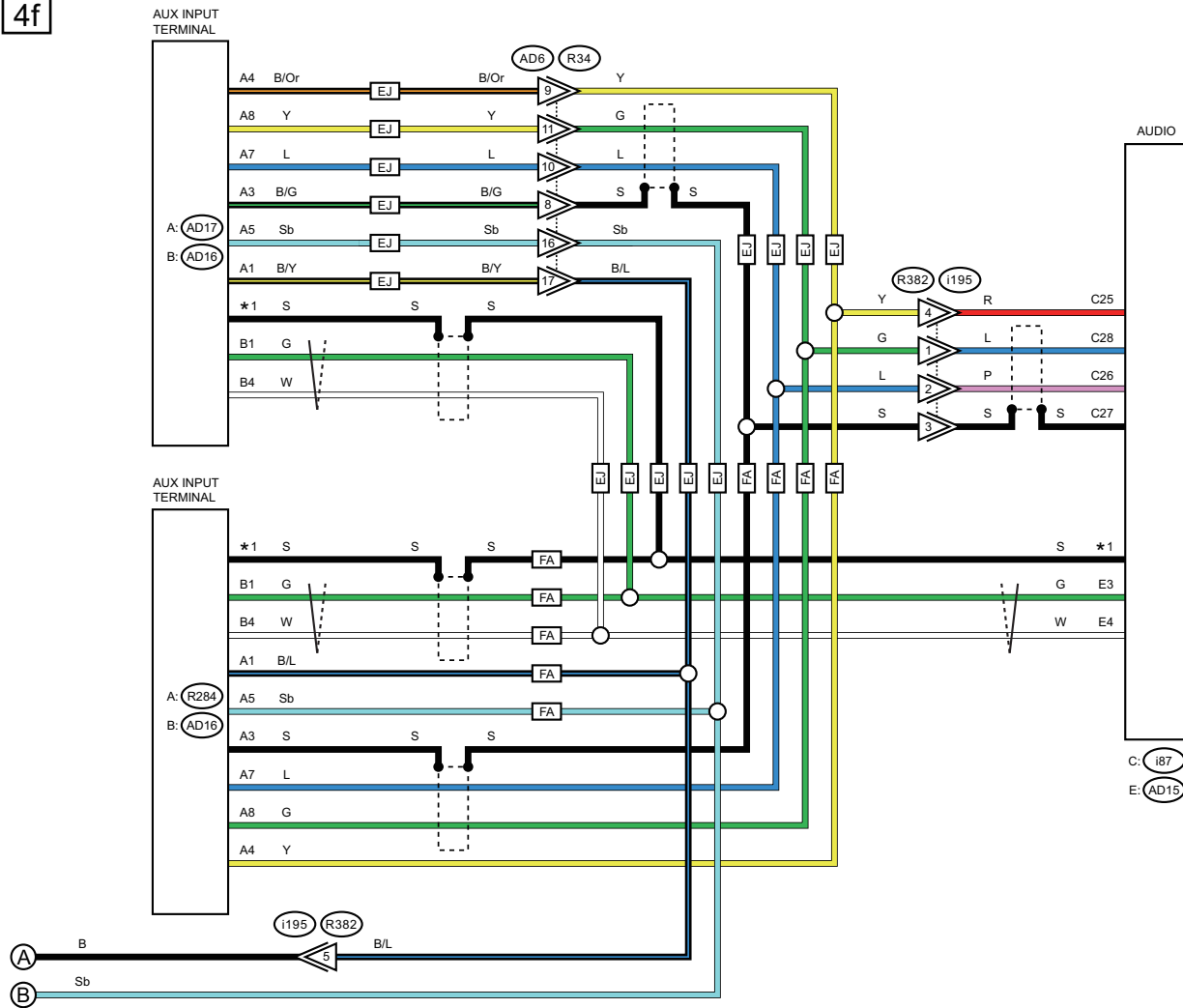
WI-78885

WIRING SYSTEM

WIRING SYSTEM

4f

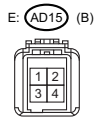
4f



FA : ENGINE TYPE FA

EJ: ENGINE TYPE EJ

*1 : SHIELD CONNECTOR

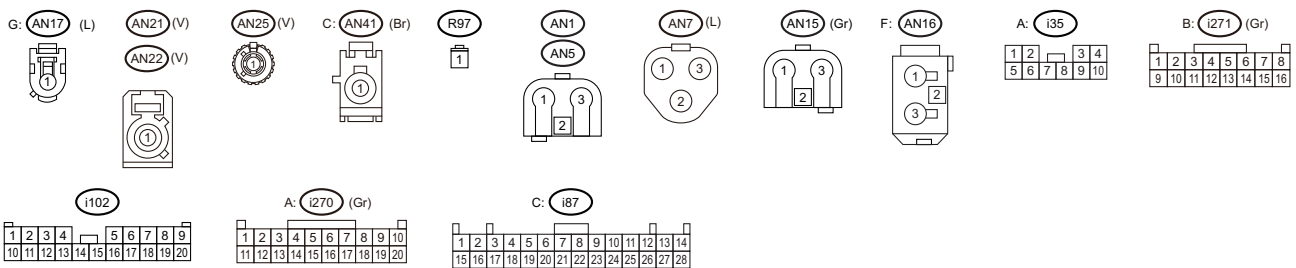
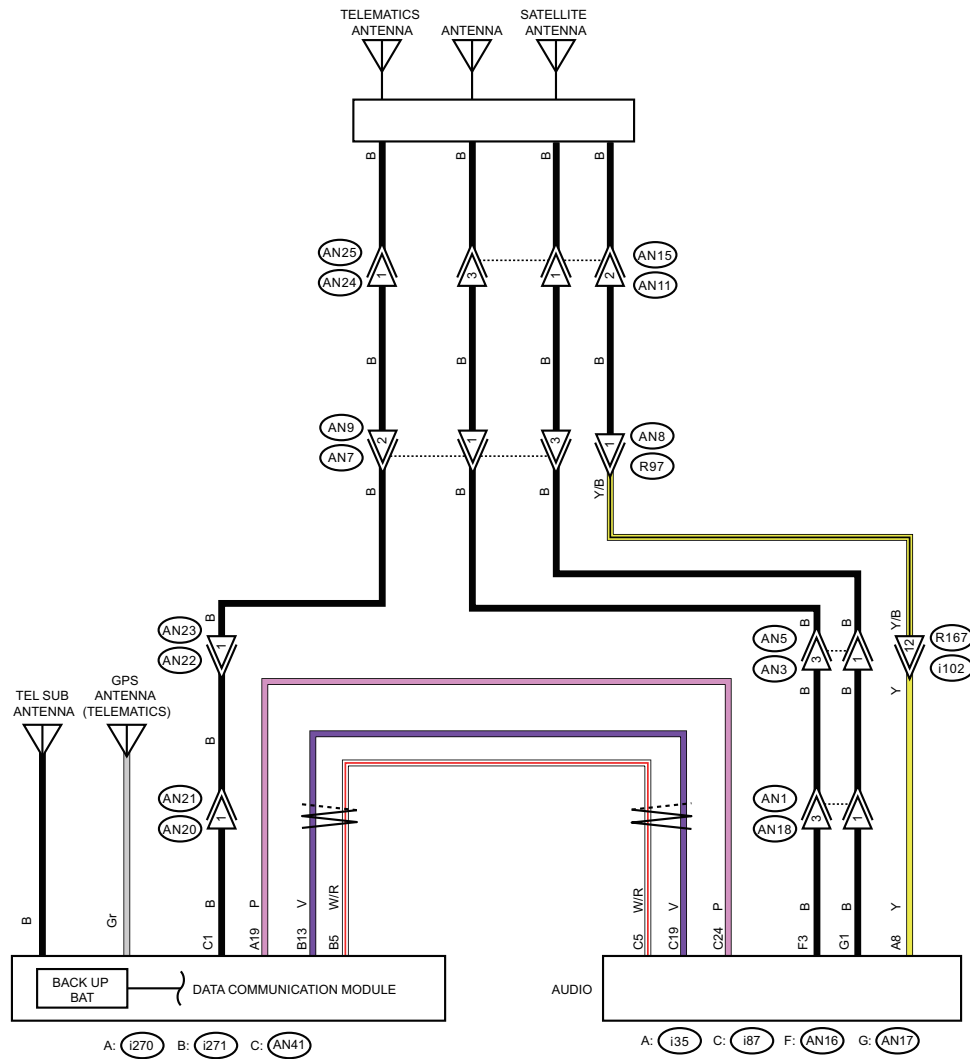


Audio System

WIRING SYSTEM

4g

4g



WI-78886