

PE13-020

HONDA

12/3/2013

QUESTION 7

8 PAGE 8

9 PAGE 57

PE13-020

HONDA

12/3/2013

QUESTION 7

Q7: Airbag fault code

ODYSSEY 03-04M、MDX 03M

SRS stored DTC in the event ASIC is burned or damaged

DTC	Description of fault		Note
51-20	Internal Failure of the SRS Unit	Booster circuit output fault	Only Japanese MDX(1case) No case in U.S.
53-40		Self diagnostic circuit system fault (Squib ASIC failure)	
53-41		Self diagnostic circuit system fault (Squib ASIC failure)	
53-43		Self diagnostic circuit system fault (Squib ASIC failure)	
54-50		Safing transistor failure	
54-60		Safing transistor failure	
11-10	Outside Failure of the SRS Unit	L-side Front A/B 1 st Squib Resistance Open	Stored after deployment
12-10		R-side Front A/B 1 st Squib Resistance Open	Stored after deployment

PE13-020

HONDA

12/3/2013

QUESTION 8

Q8: Difference of models

Affected model

Affected model equip TRW SRS Unit + N/S ASIC

DEST.	2002		2003		2004		2005	
	P/N	M/L	P/N	M/L	P/N	M/L	P/N	M/L
ODYSSEY	77960- S0X-A92	SIEMENS	S0X-L81	TRW(N/S)	S0X-L81	TRW(N/S)	SHJ-A01	TRW(F/S)
MDX	S3V-A02	SIEMENS	S3V-A81	TRW(N/S)	S3V-C01	TRW(F/S)	S3V-C11	TRW(F/S)
ACCORD	S84-A77	SIEMENS	SDA-A61	TRW(N/S)	SDA-A71	TRW(F/S)	SDA-C13	TRW(F/S)
TSX					SEC-A81	TRW(N/S)	SEC-A82	TRW(F/S)
FCX			SEL-L410	TRW(N/S)	SEL-L410	TRW(N/S)	SEL-L410	TRW(N/S)

(Note) ASIC Supplier

N/S: National Semiconductor

F/S: Free Scale

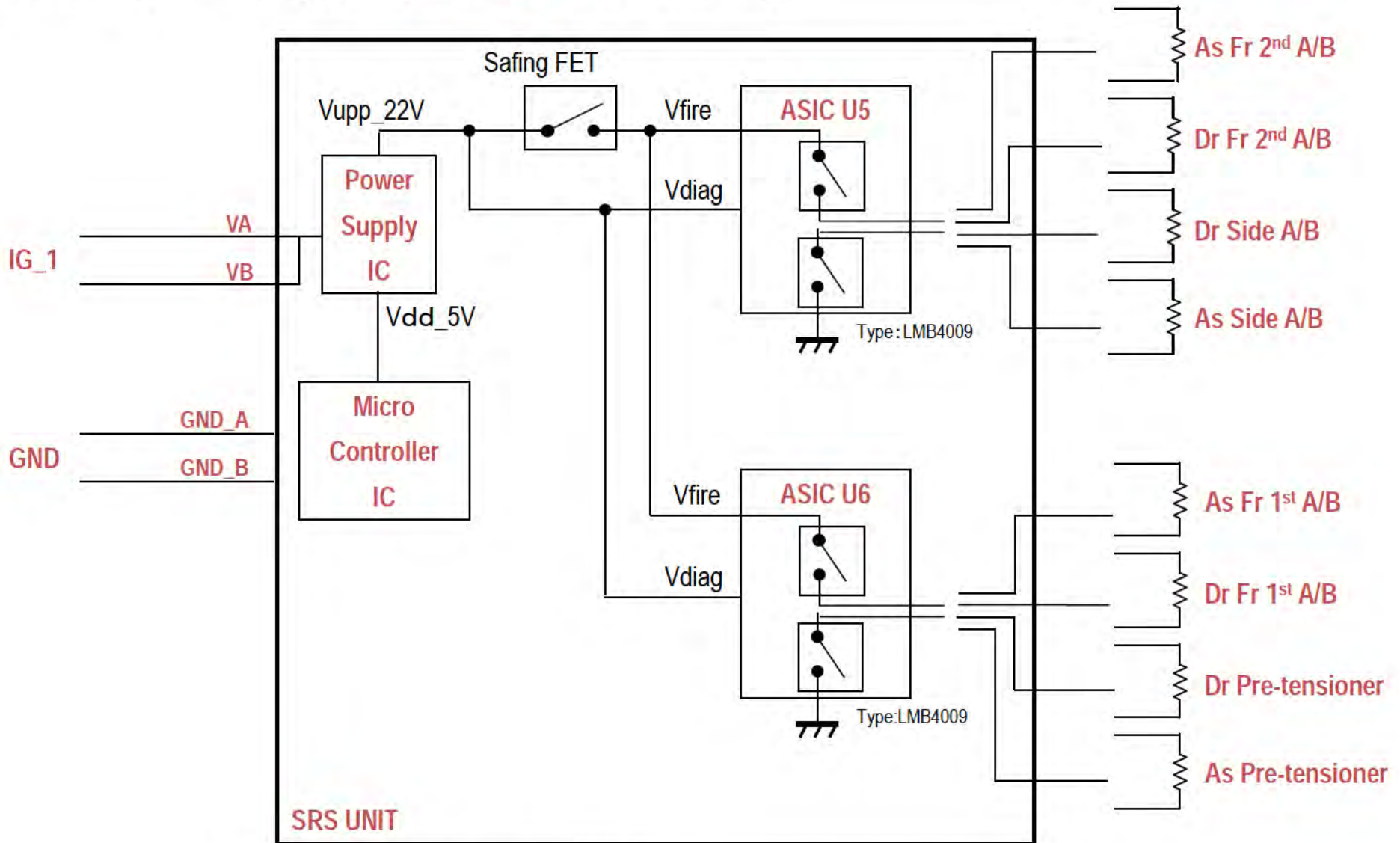
MY	Model	SRS Unit Parts No.				Device			
		@M/P start	M/P Design Change			Front A/B	Retractor P/T	Side A/B	Curtain A/B
03	US Accord 4Dr	77960-SDA-A613-M1	77960-SDA-A614-M1	77960-SDA-A615-M1	77960-SDA-A630-M1	L+R (Dual)	L+R	—	—
		77960-SDA-A813-M1	77960-SDA-A814-M1	77960-SDA-A815-M1	77960-SDA-A840-M1	L+R (Dual)	L+R	L+R	—
		77960-SDA-L813-M1	77960-SDA-L814-M1	77960-SDA-L815-M1	77960-SDA-L820-M1	L+R (Dual)	L+R	L+R	—
		77960-SDA-C013-M1		77960-SDA-C014-M1	77960-SDA-D020-M1	L+R (Dual)	L+R	L+R	L+R
03	US Accord 2Dr	77960-SDN-A620-M1		77960-SDN-A621-M1		L+R (Dual)	L+R	—	—
		77960-SDN-A820-M1		77960-SDN-A821-M1		L+R (Dual)	L+R	L+R	—
		77960-SDN-L820-M1		77960-SDN-L821-M1		L+R (Dual)	L+R	L+R	—
		77960-SDN-C020-M1		77960-SDN-C021-M1		L+R (Dual)	L+R	L+R	L+R
03	US Odyssey	77960-S0X-L612-M1	77960-S0X-L613-M1	77960-S0X-L614-M1		L+R (Dual)	L+R	—	—
		77960-S0X-L812-M1	77960-S0X-L813-M1	77960-S0X-L814-M1		L+R (Dual)	L+R	L+R	—
03	MDX	77960-S3V-A814-M1		77960-S3V-A815-M1		L+R (Dual)	L+R	L+R	—
03	FCX	77960-SFL-L410-M1				L+R (Single)	L+R		
04	TSX	77960-SEC-A813-M1				L+R (Dual)	L+R	L+R	—
		77960-SEC-C013-M1				L+R (Dual)	L+R	L+R	L+R
04	US Odyssey	03M Common							
04	FCX	03M Common							

C/M for "Deployment by small stone impact"

Software update: To address conditions when a high G-level exceeds the forward or side impact crash sensors capacity. No impact on performance. SRS ECU was already designed to perform properly in this condition

Software update: Squib time change (No actual impact for squib performance)

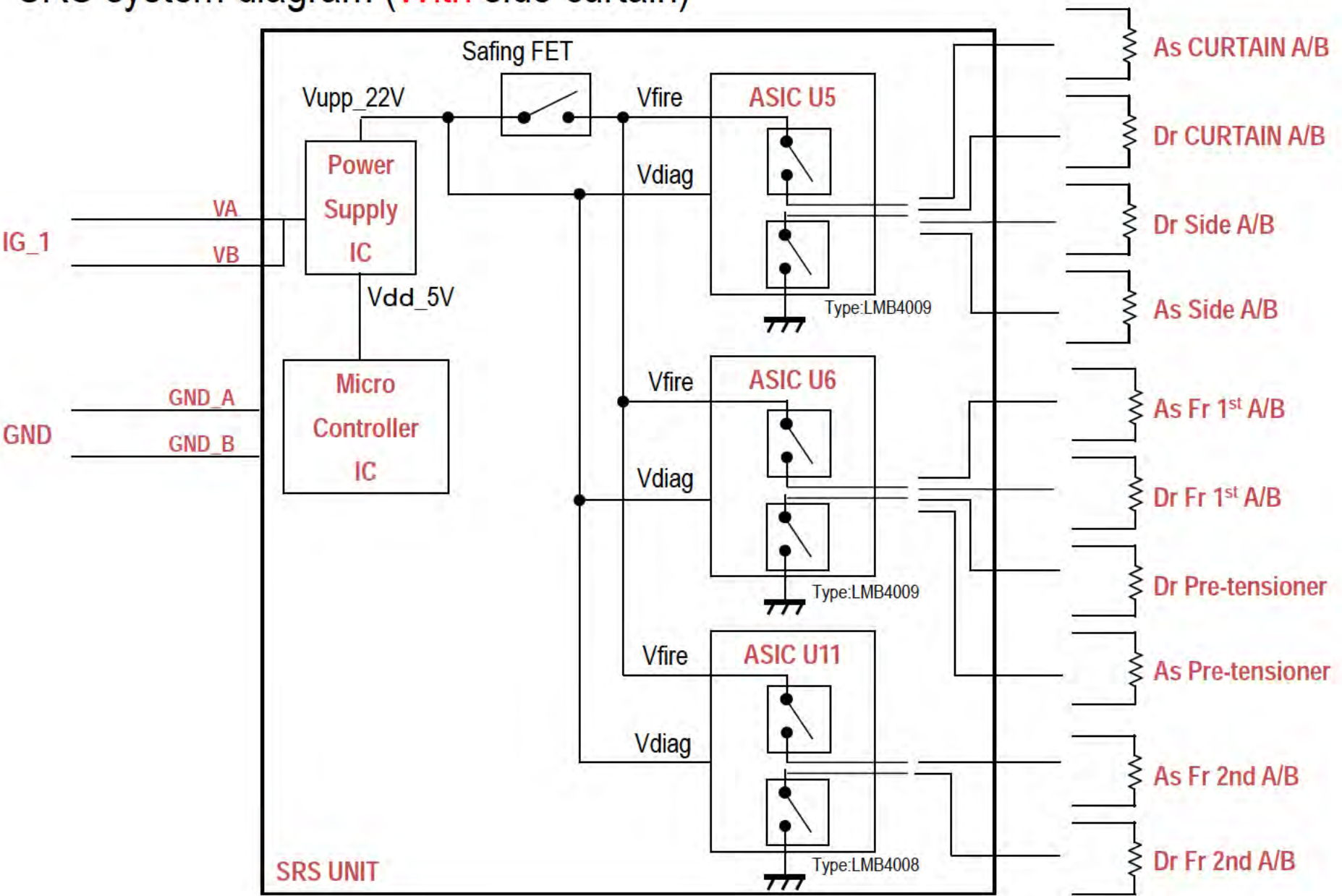
SRS system diagram (Without side curtain)



Micro Controller IC controls SW in each FET.

Vfire: power source for deployment, Vdiag: power source for ASIC control

SRS system diagram (With side curtain)



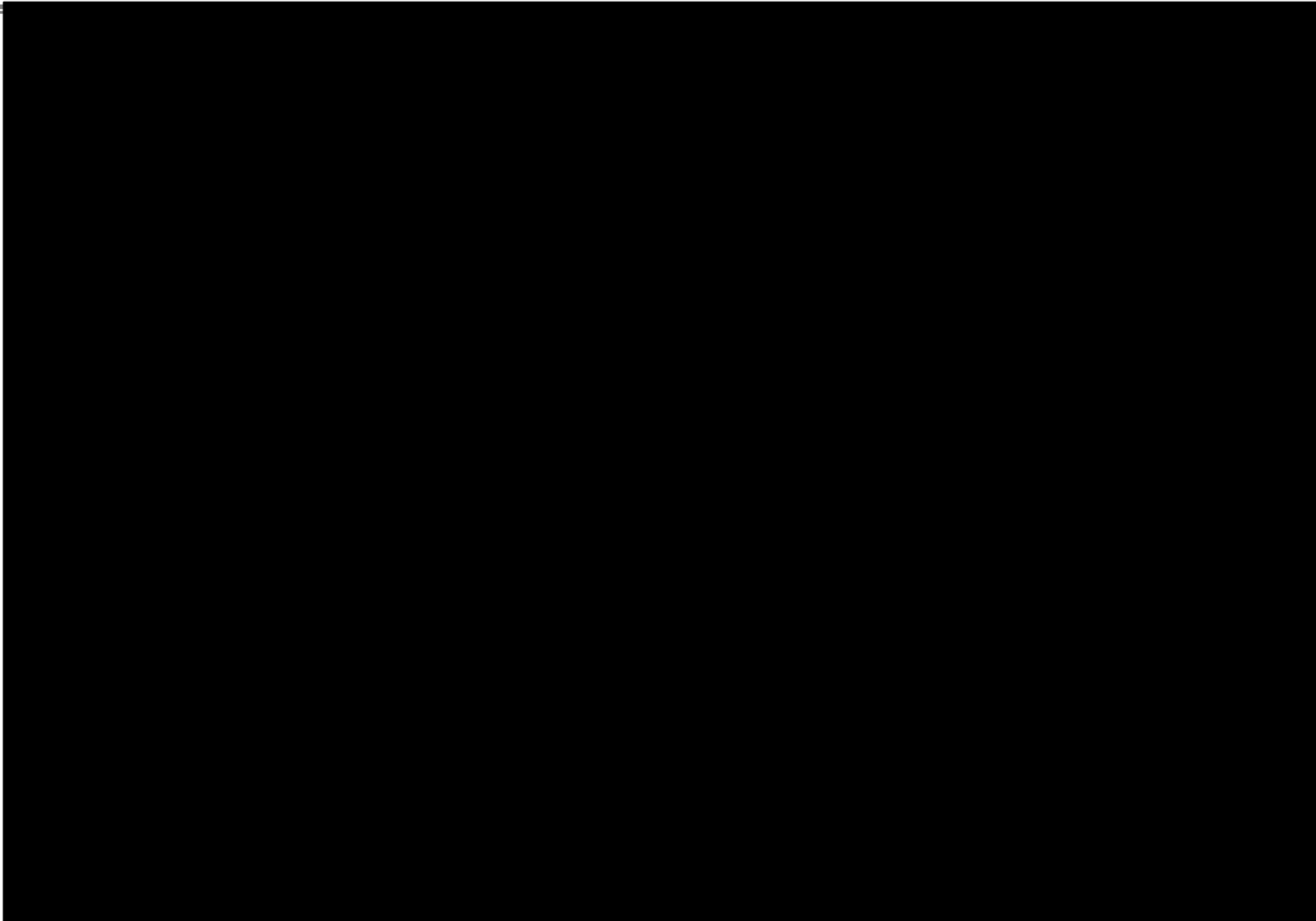
PE13-020

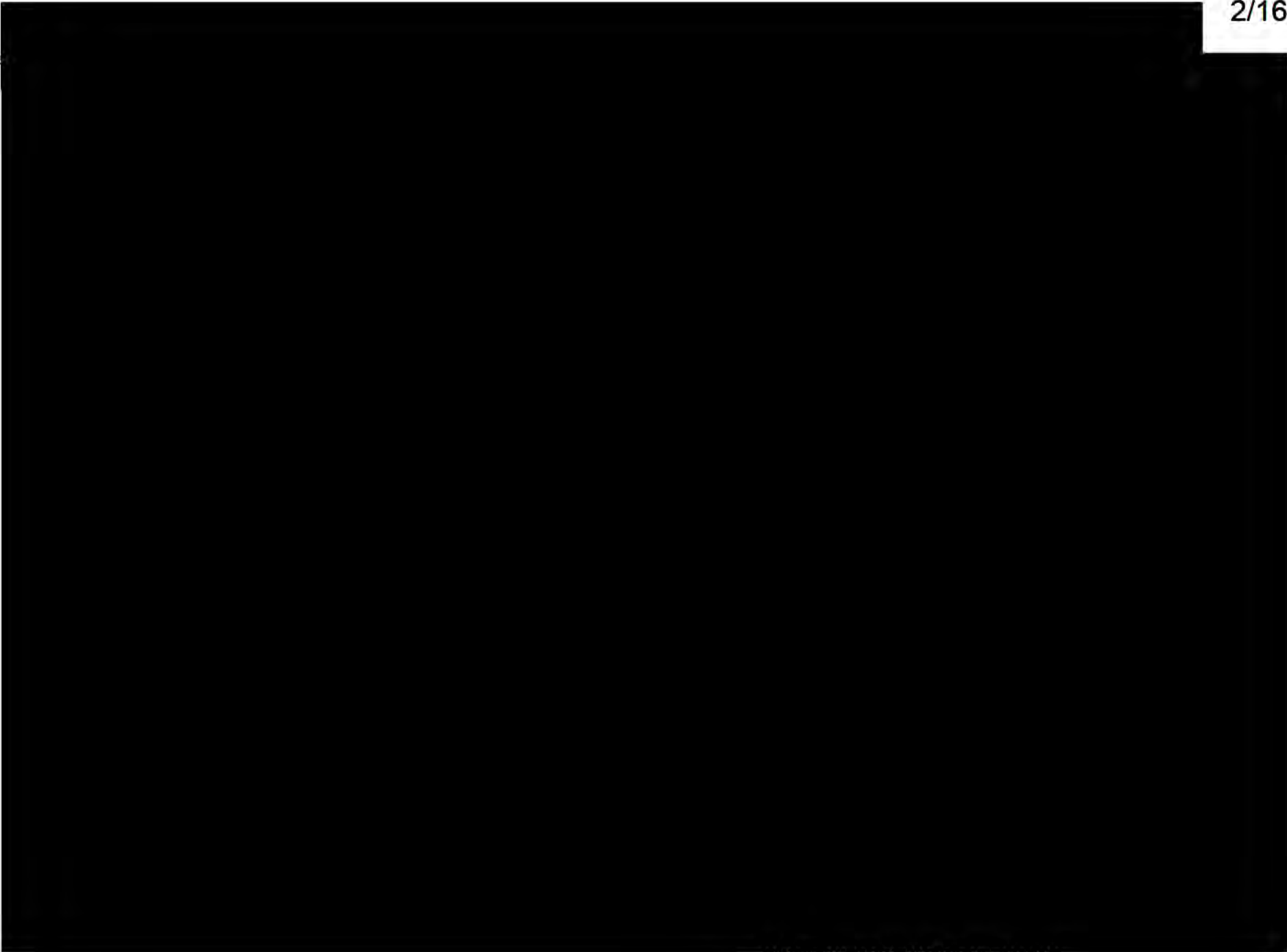
HONDA

12/3/2013

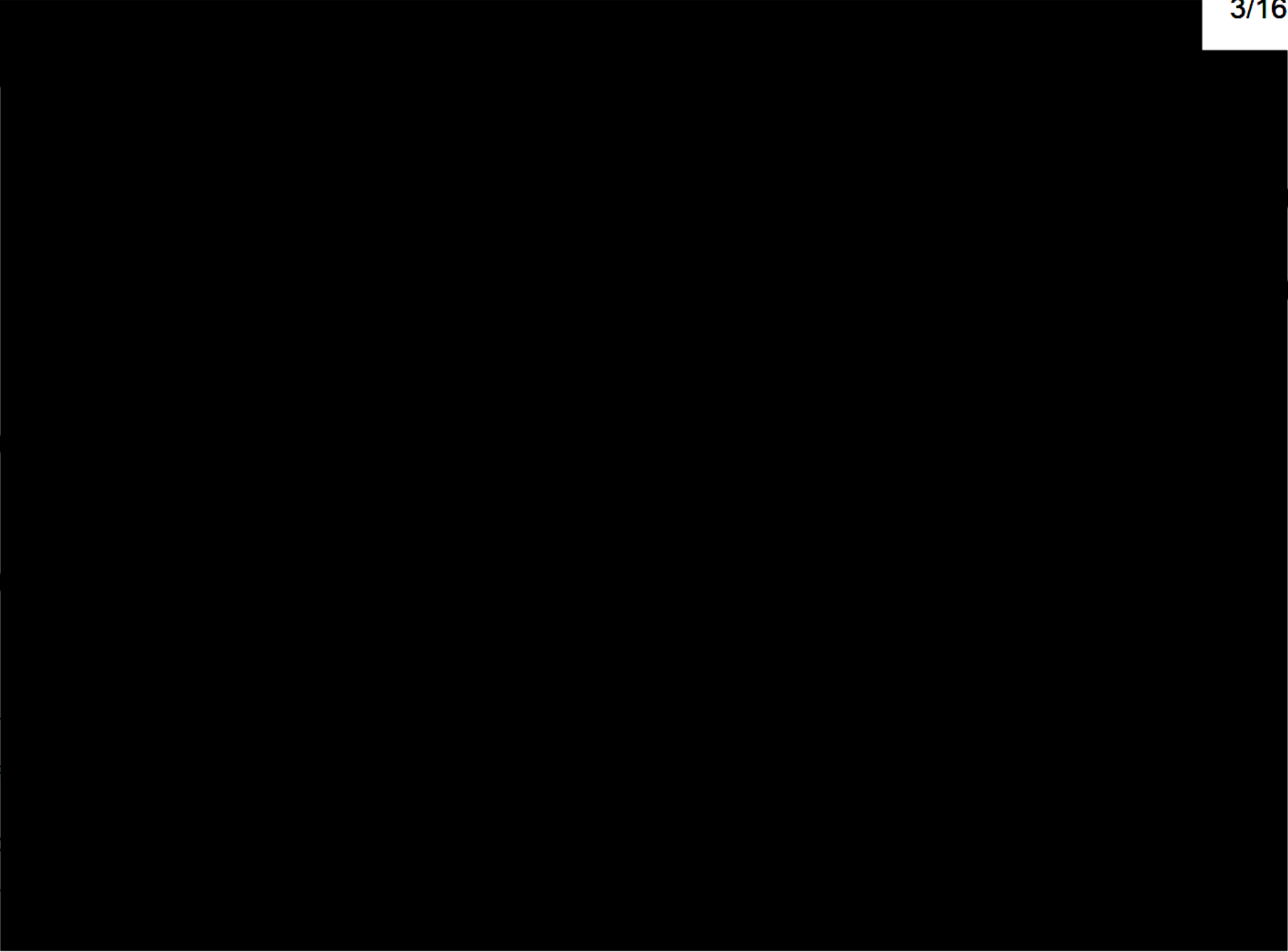
QUESTION 8

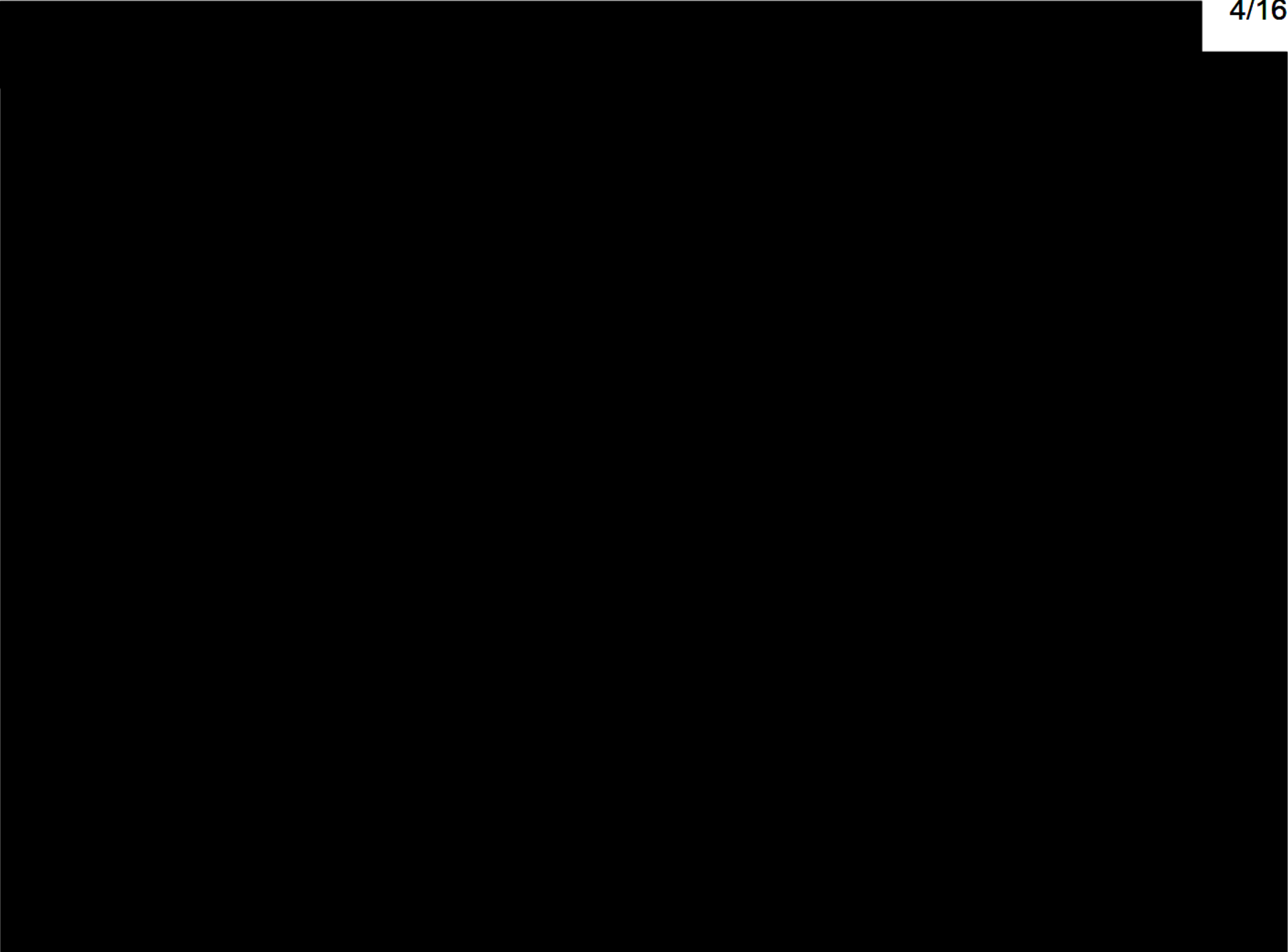
130912_NHTSA_Report_Docu
ment_FINAL REDACTED

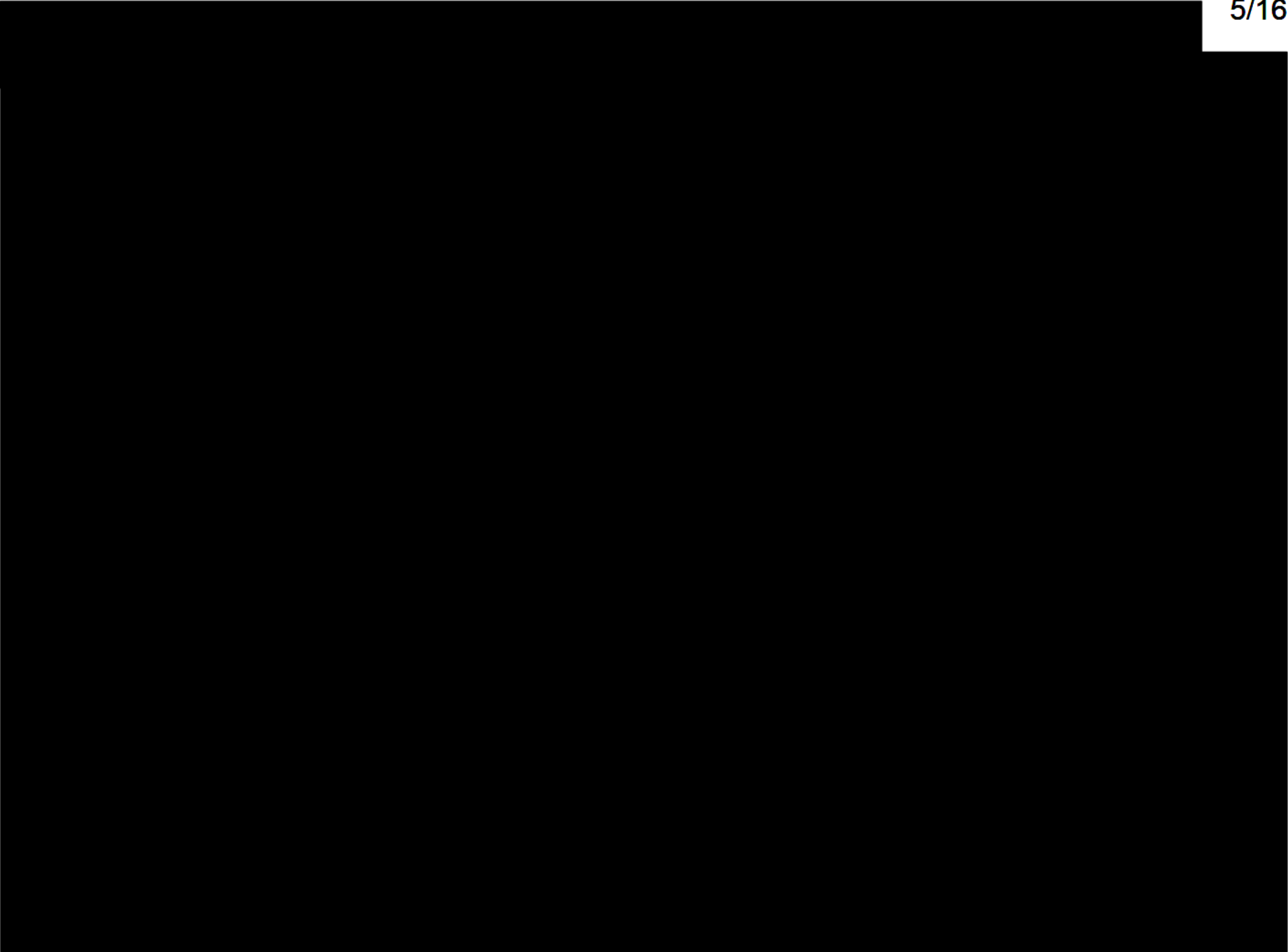


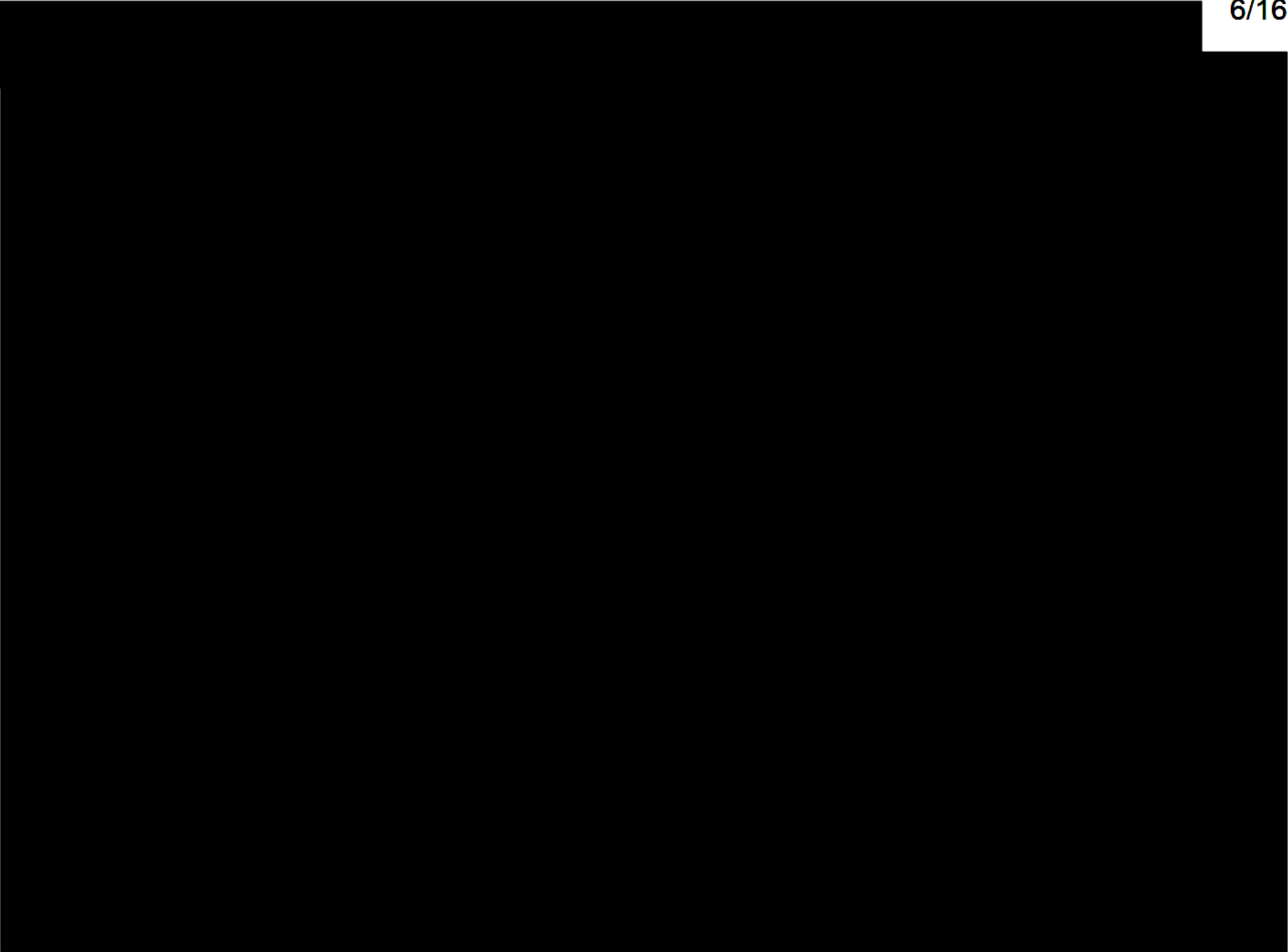


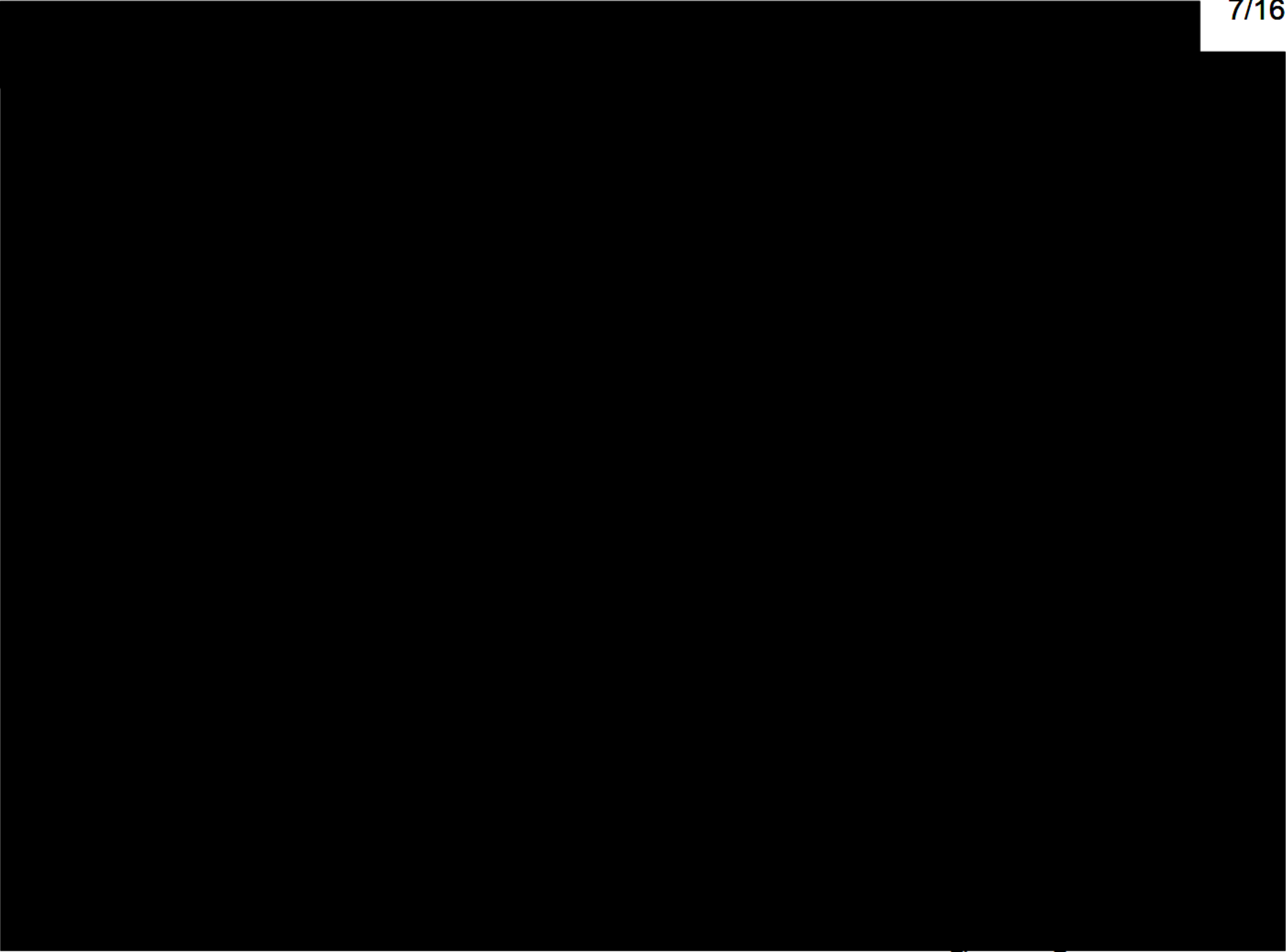
vdiag: power source for ASIC control

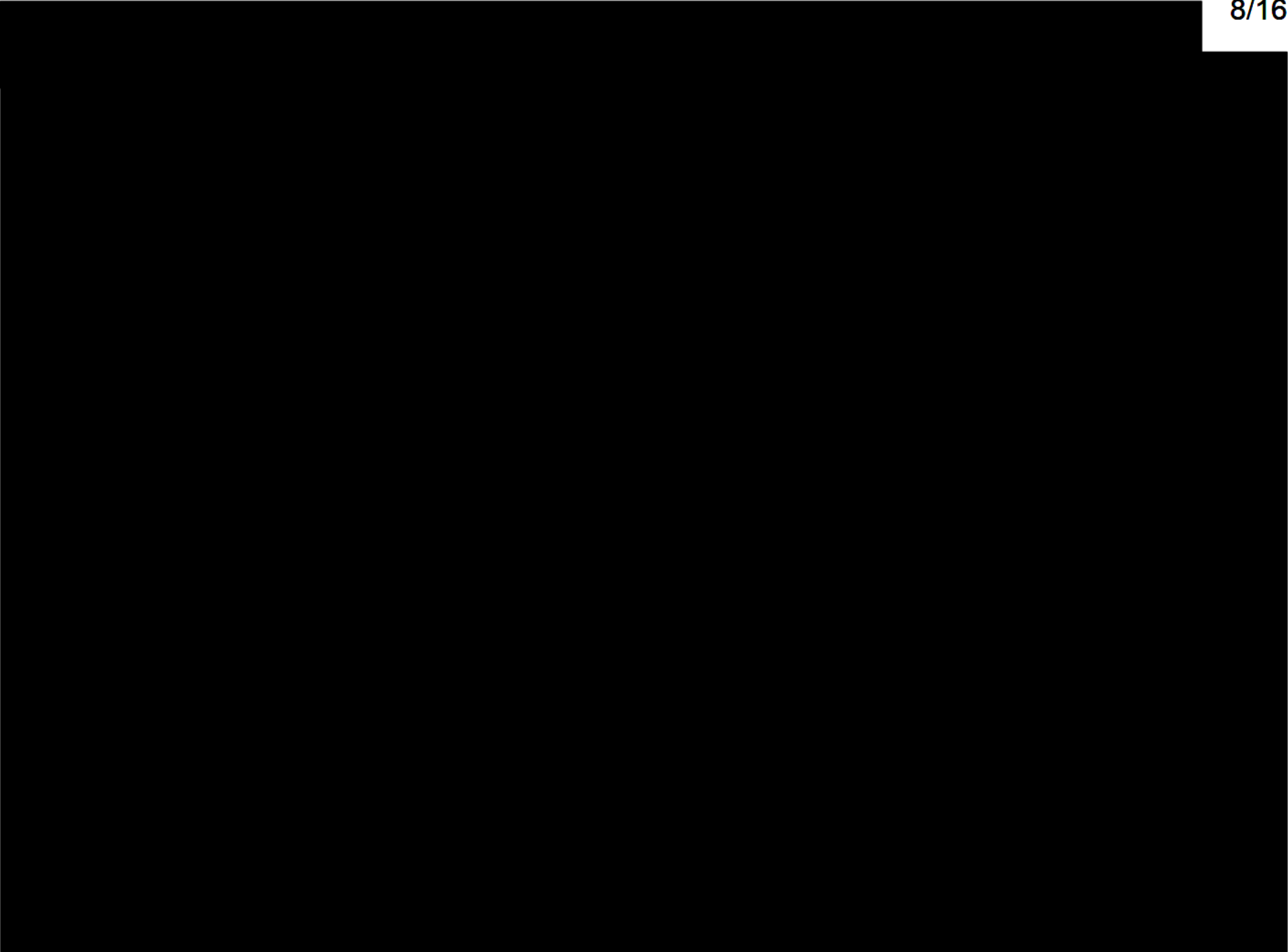




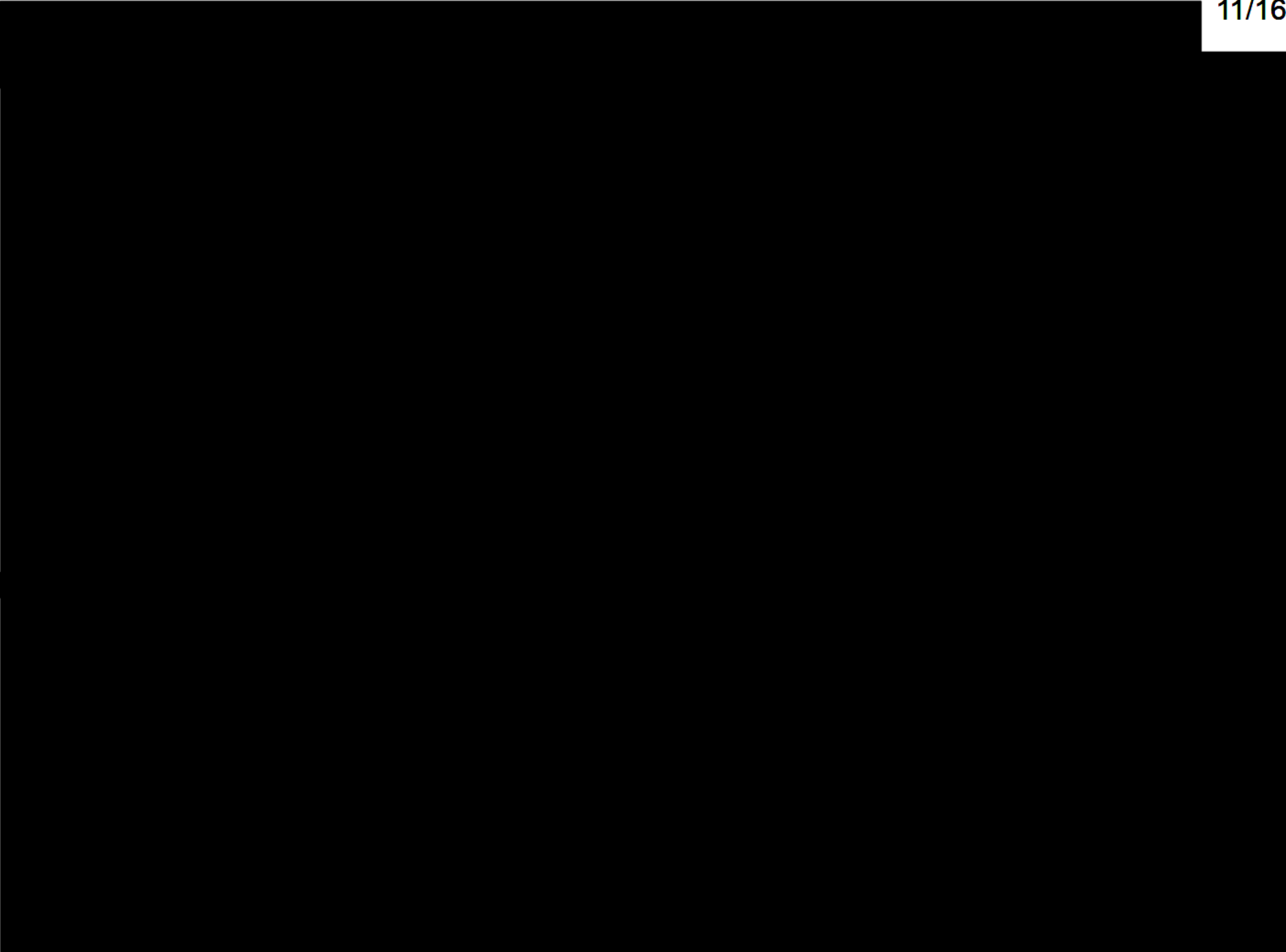








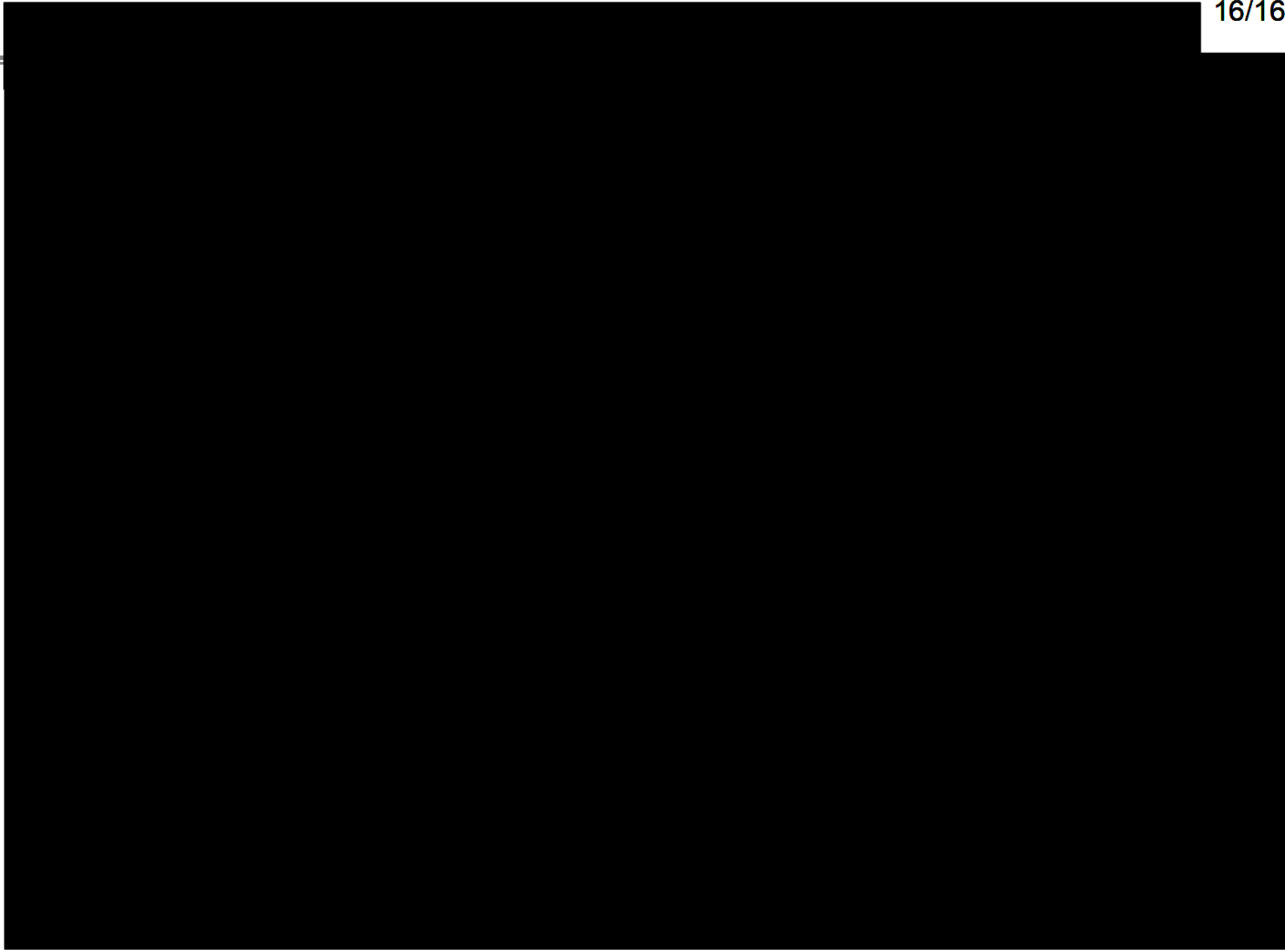












PE13-020

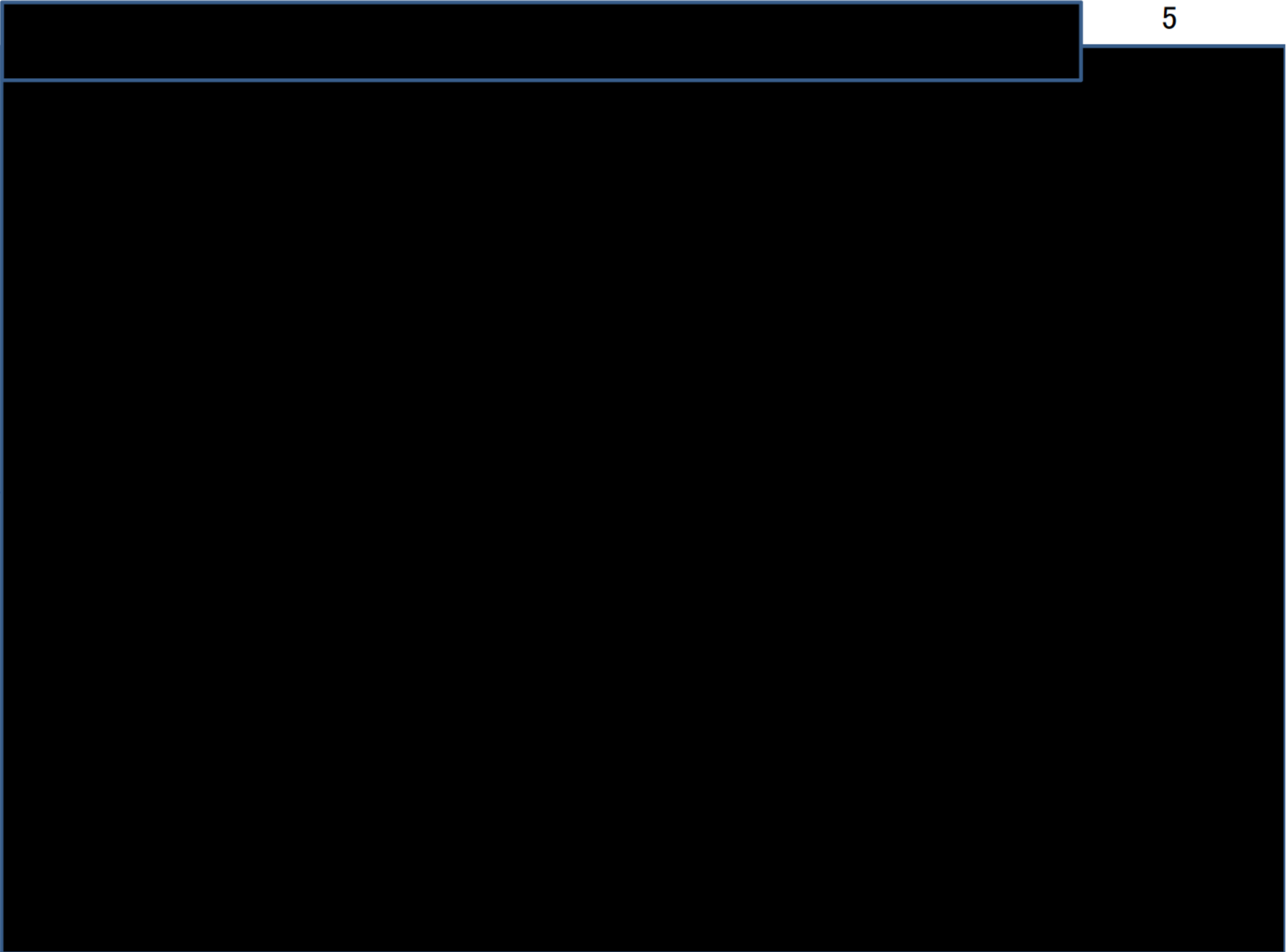
HONDA

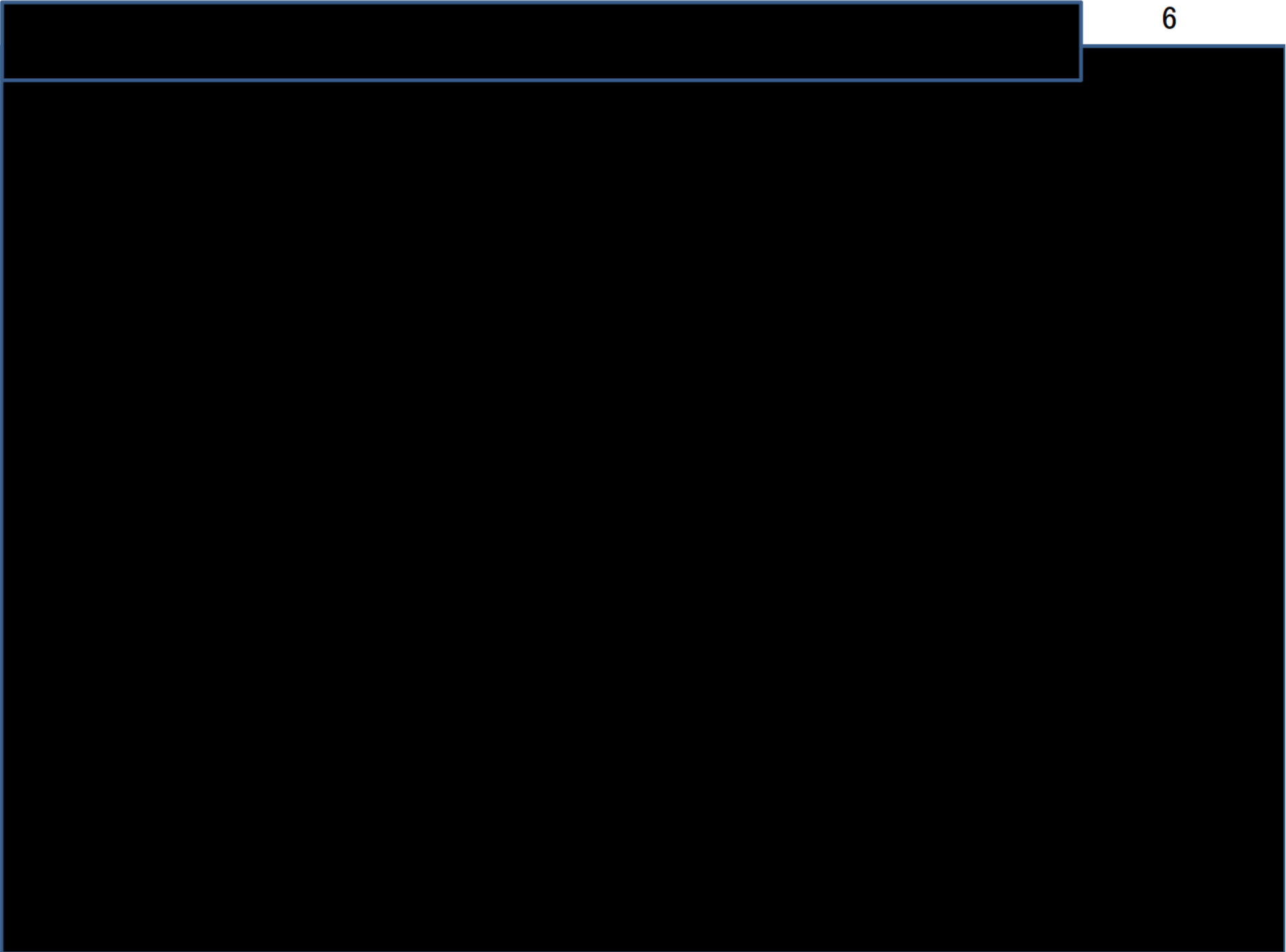
12/3/2013

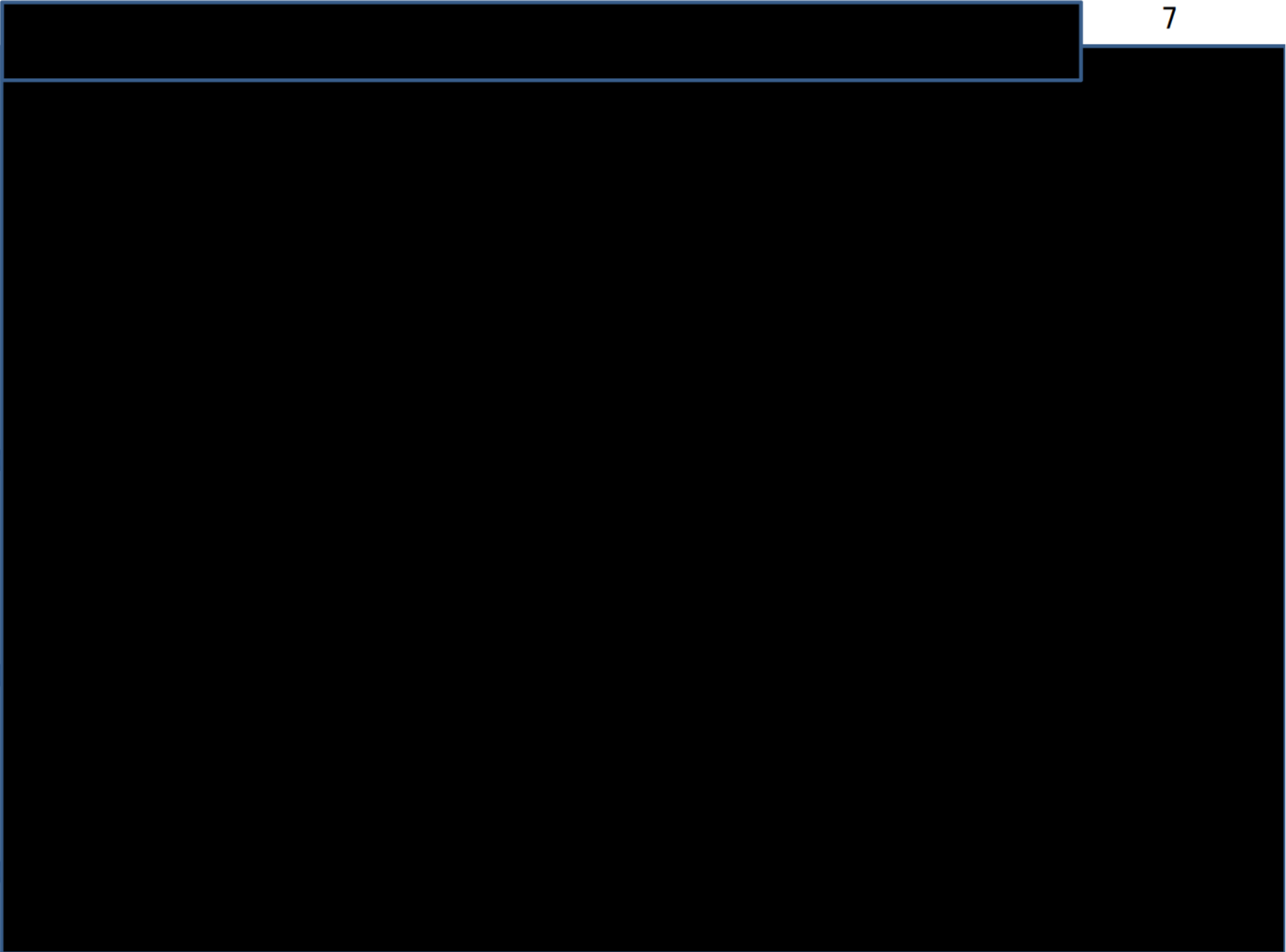
QUESTION 8

130912_Rupture_explanation_F
INAL REDACTED

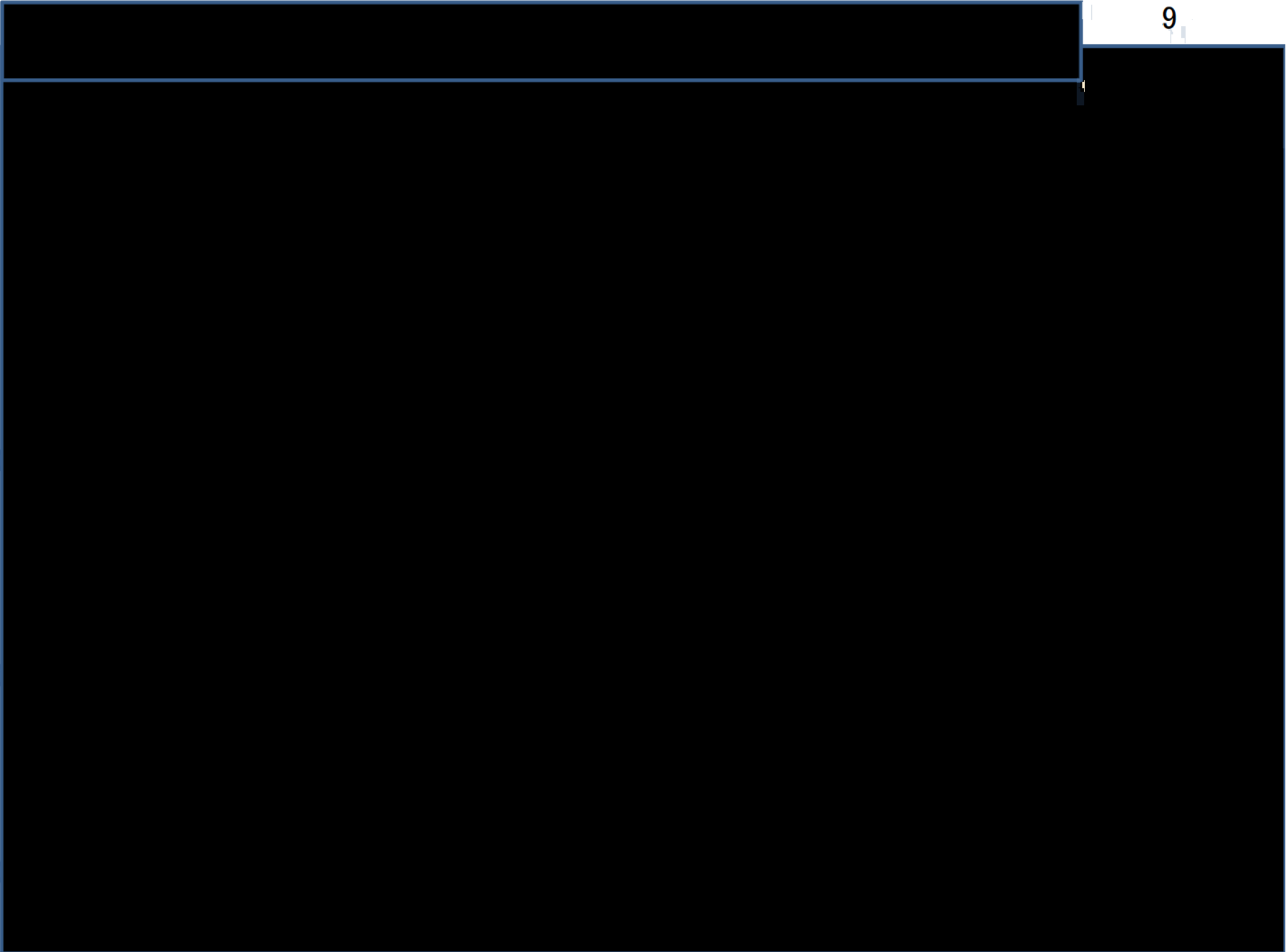


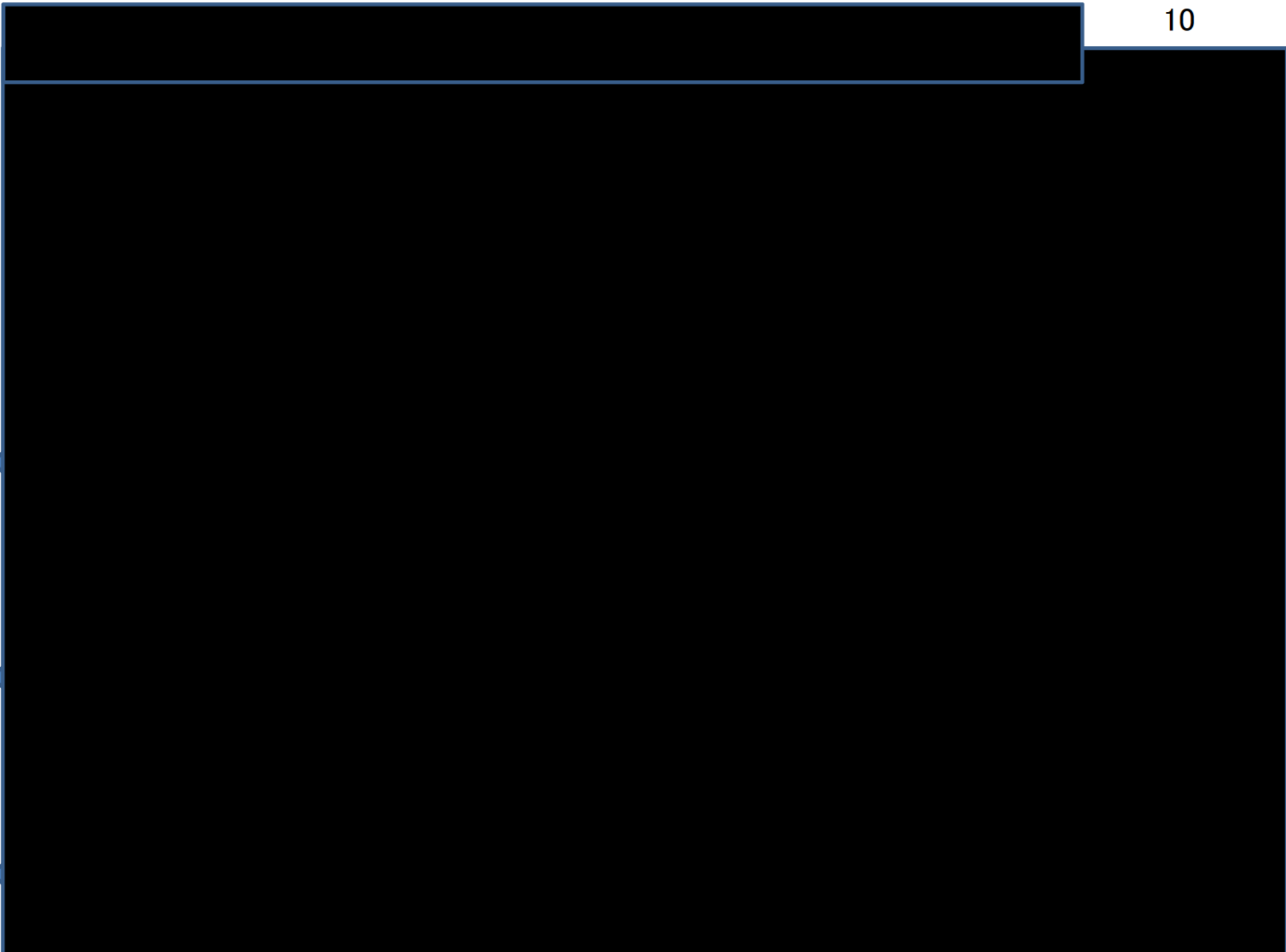


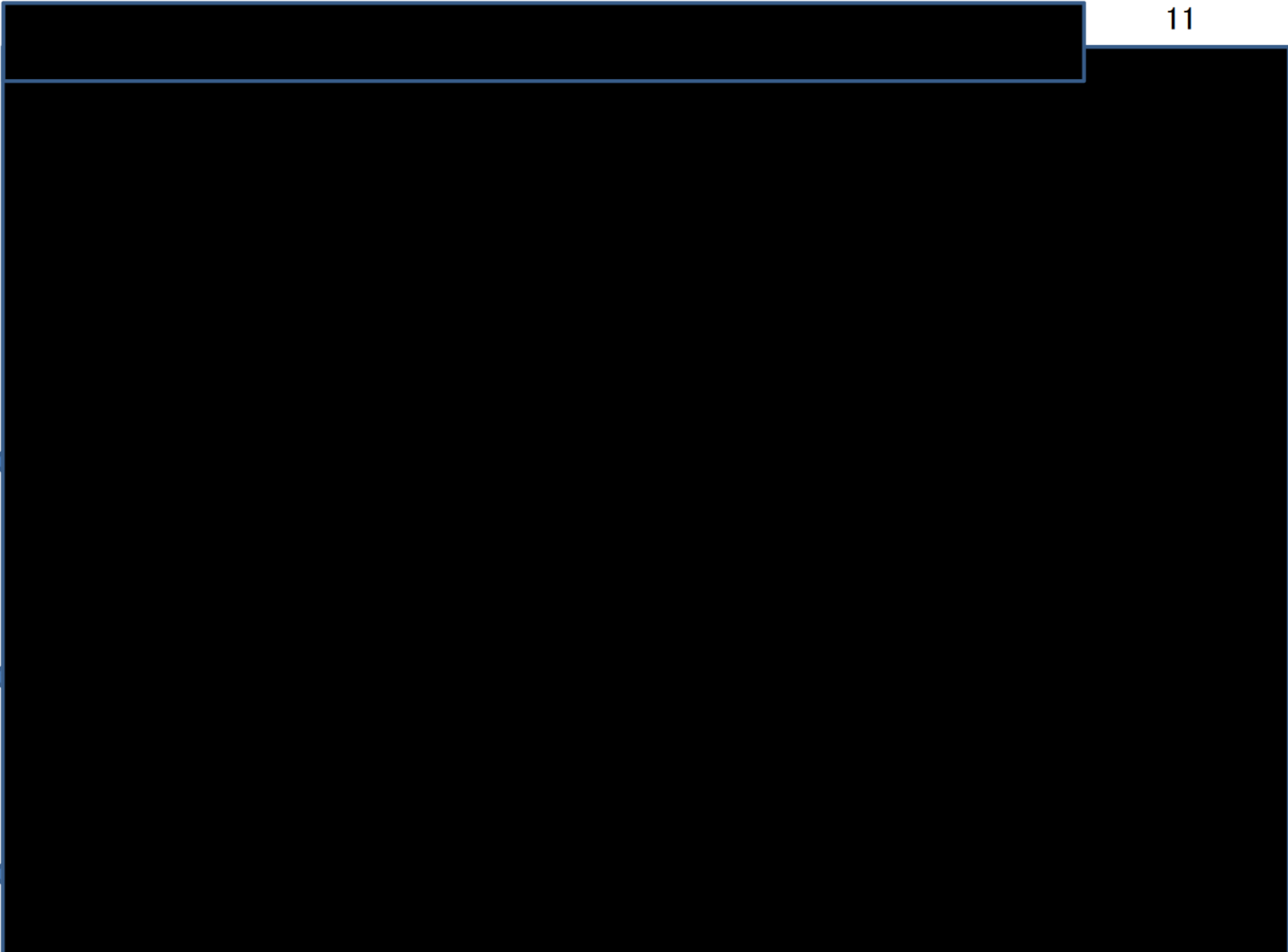




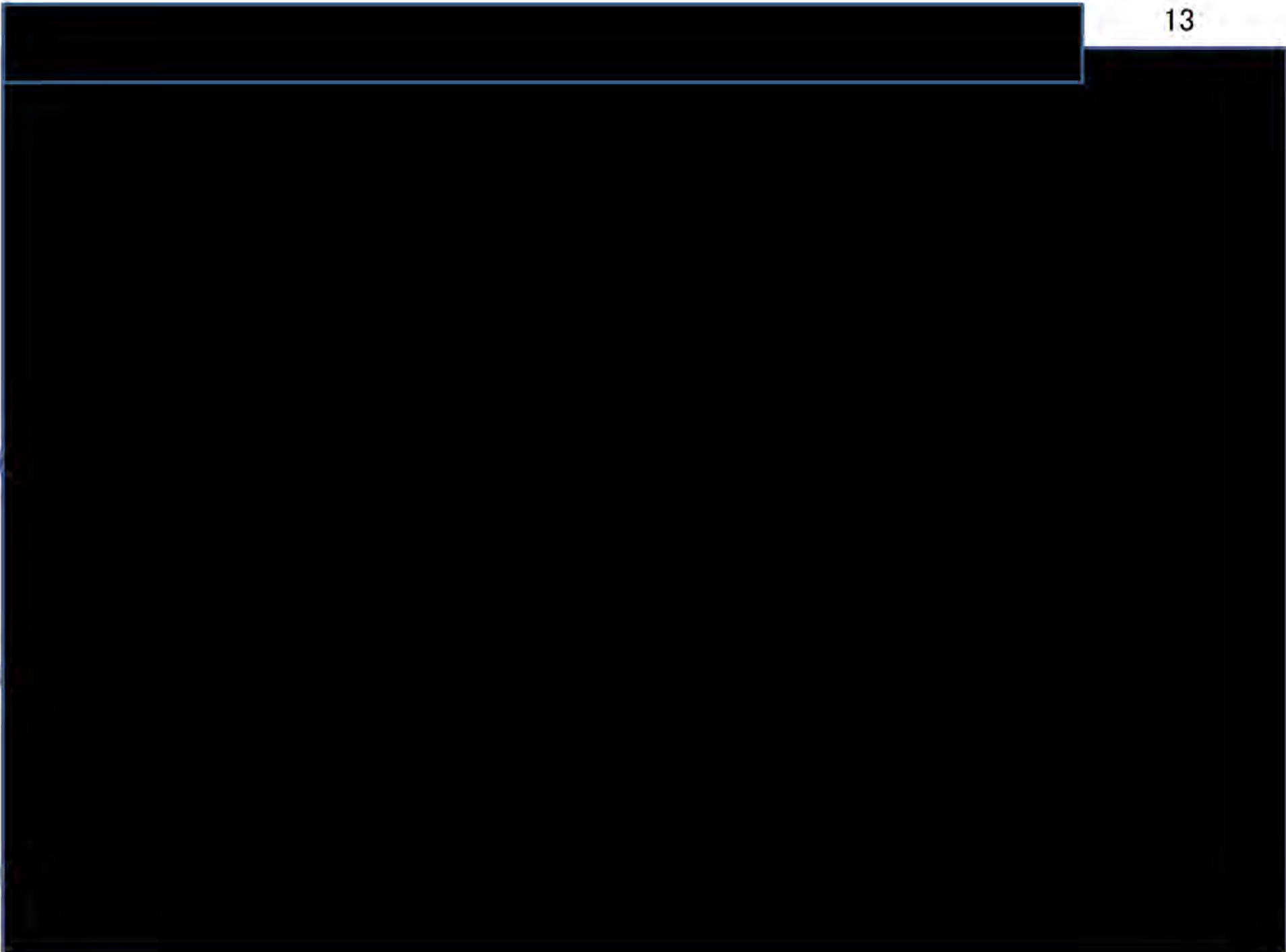


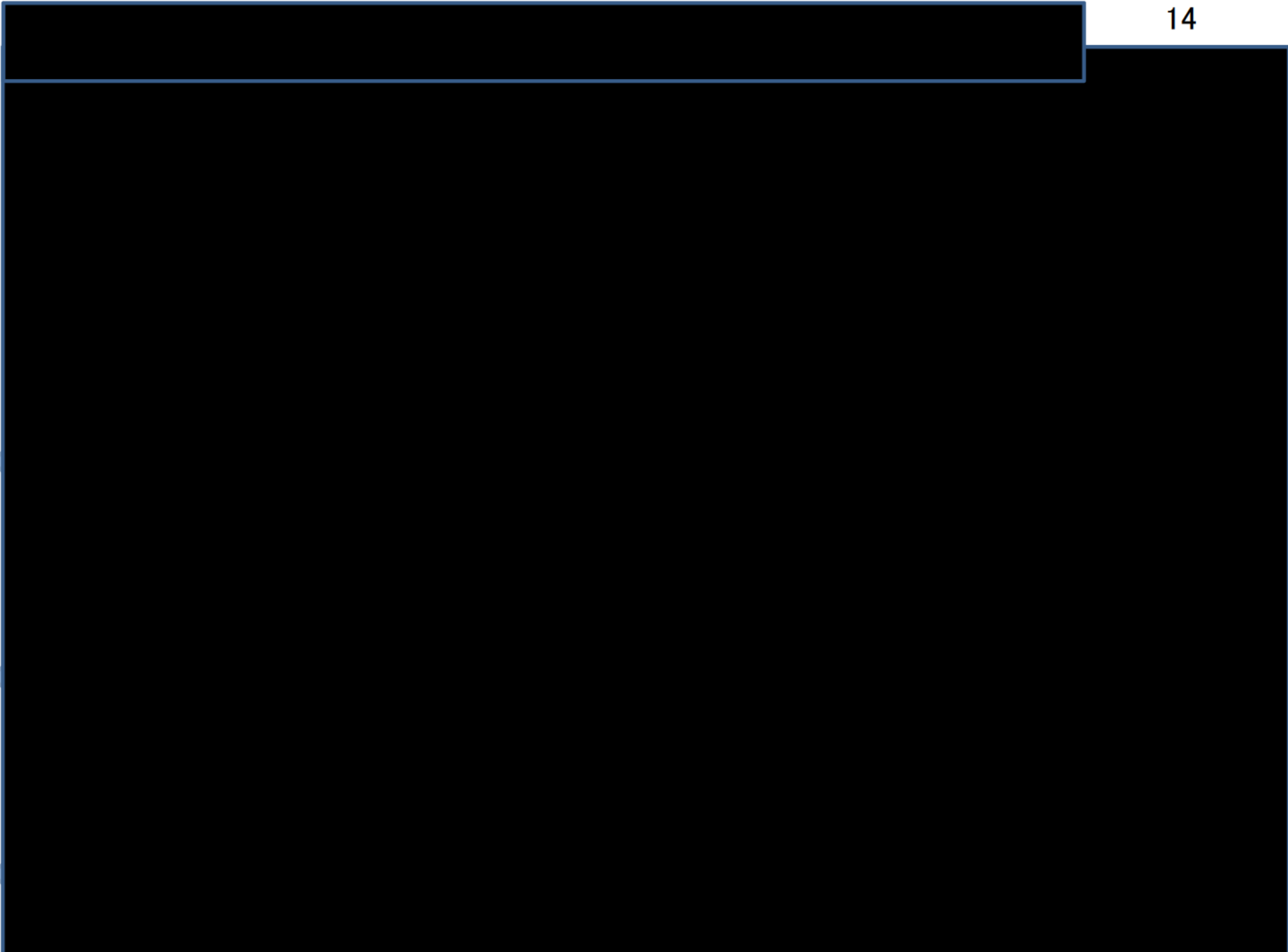




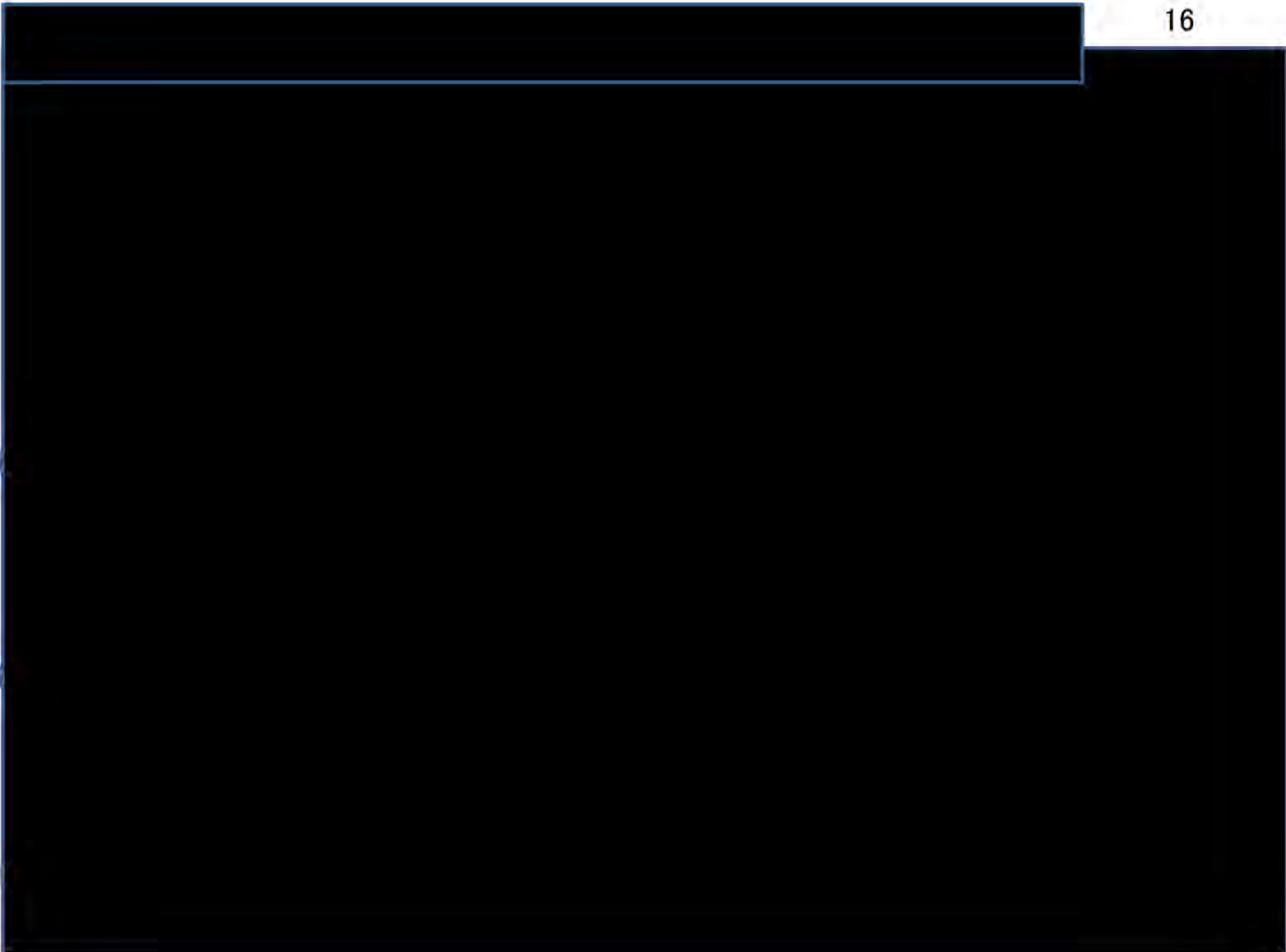


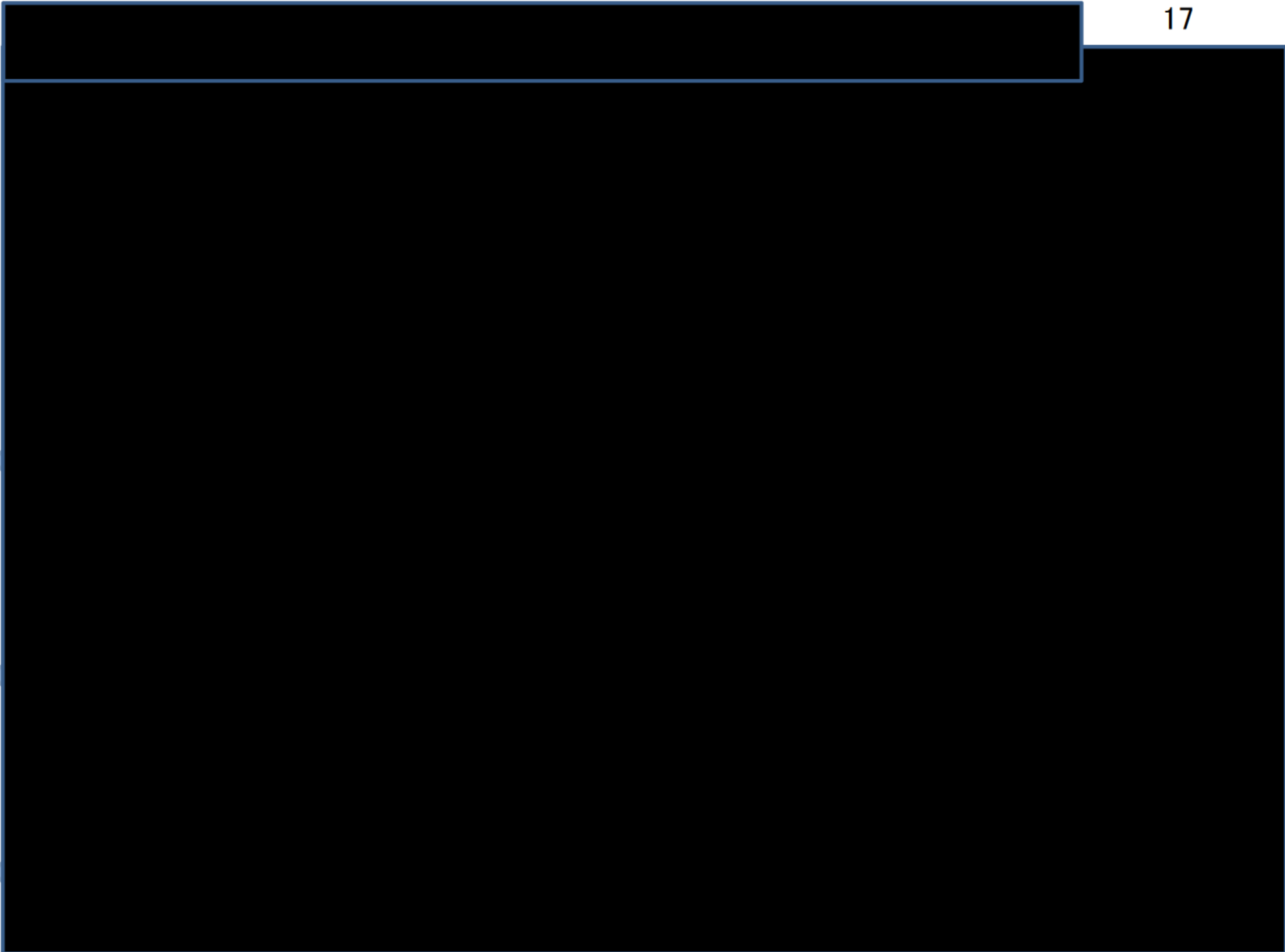


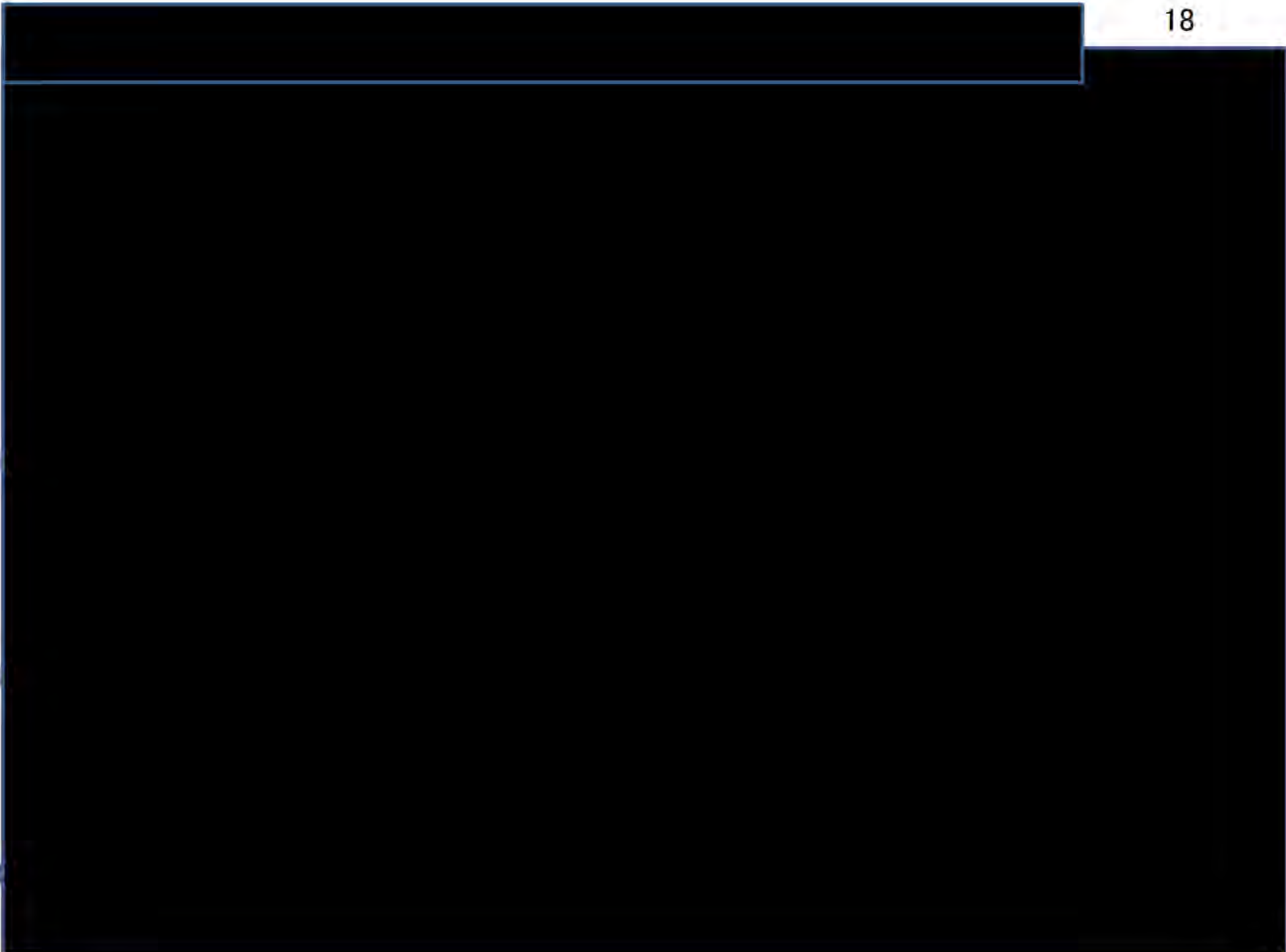








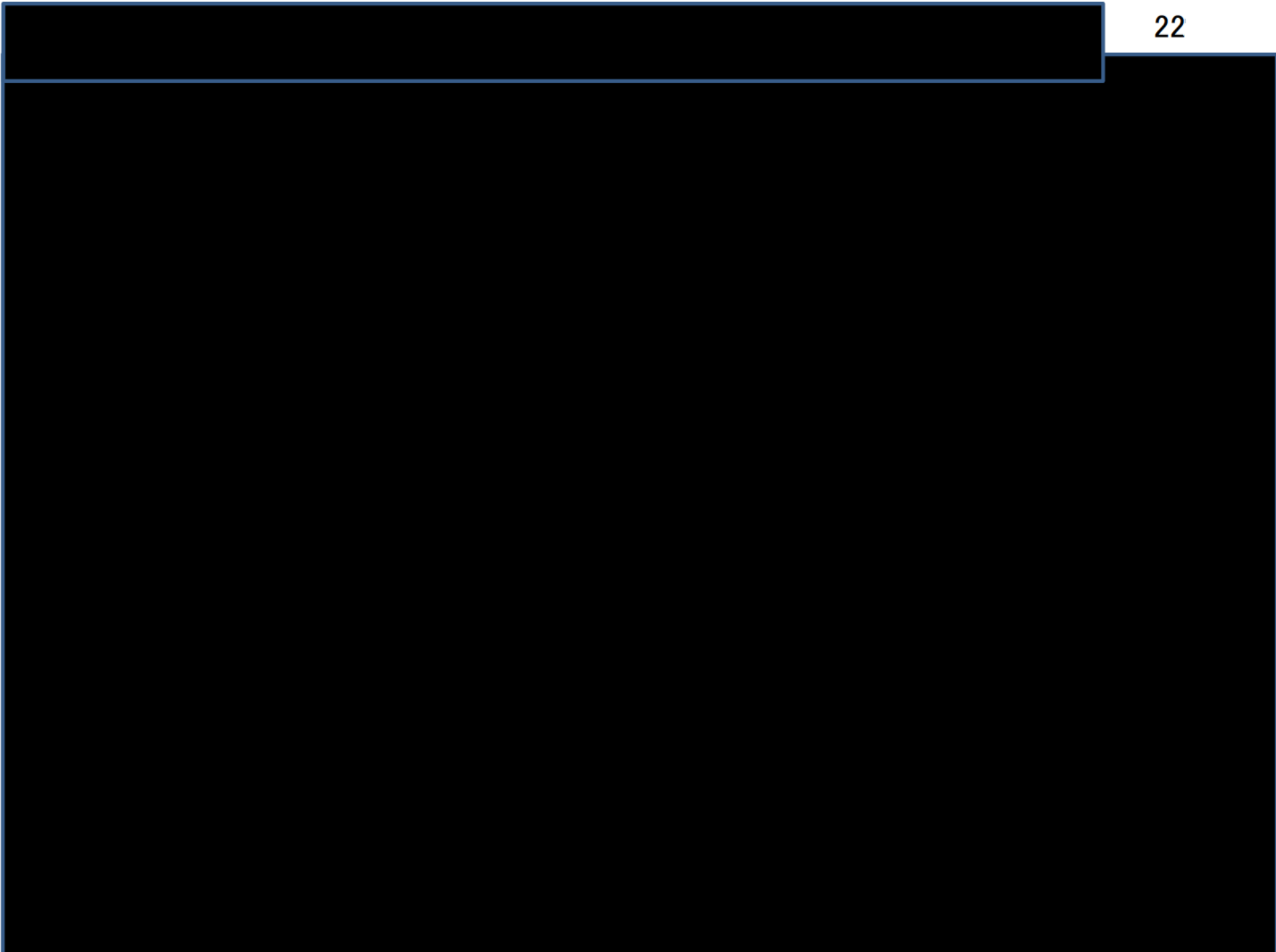


















PE13-020

HONDA

12/3/2013

QUESTION 9

13V-412 JC2 2003-2004 Honda
Odyssey SRS unit malfunction
service bulletin 10-24-2013



Safety Recall: Electrical Noise May Cause Inadvertent Front Airbag Deployment

(Supersedes 13-088, *Safety Recall: Electrical Interference May Cause Inadvertent Front Airbag Deployment*, dated September 19, 2013; see REVISION SUMMARY)

REVISION SUMMARY

The information in this bulletin is complete and no longer preliminary.

BACKGROUND

Electrical noise (interference) generated by the vehicle may inadvertently cause the front airbags to deploy.

CUSTOMER NOTIFICATION

Owners of affected vehicles will be sent a notification of this campaign.

Do an **iN VIN status inquiry** to make sure the vehicle is shown as eligible.

Some vehicles affected by this campaign may be in your used vehicle inventory. These vehicles **must** be repaired before they are sold.

Should your dealership sell an unrepaired vehicle that subsequently causes injury or damage because of the recalled item, the dealership will be solely responsible to the damaged party, and will be required to defend and indemnify American Honda for any resulting claims. To see if a vehicle in inventory is affected by this recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

Replace the SRS subharness with a new one that includes a noise suppressor.

PARTS INFORMATION

Noise Suppressor Kit (includes SRS subharness, noise suppressor, bracket, Torx bolts (4), bolt and nut):
P/N 06772-S0X-000

WARRANTY CLAIM INFORMATION

Operation Number: 7521G7

Flat Rate Time: 1.0 hour

Template ID: 13-088A

Failed Part: P/N 77960-S0X-L81

Defect Code: 5JN00

Symptom Code: JC200

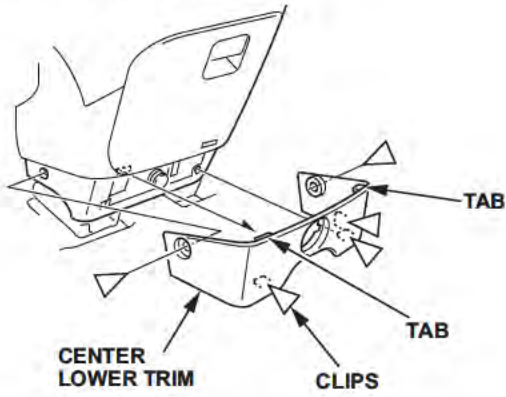
Skill Level: Repair Technician

REPAIR PROCEDURE

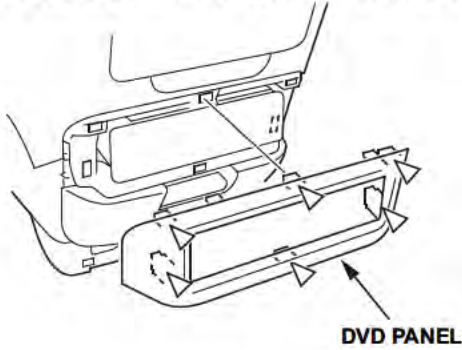
NOTE:

- Before doing this repair procedure, review the SRS Precautions and Procedures (online, enter keyword **PRECAUTION**, and select **SRS Precautions and Procedures** from the list).
 - The SRS unit mounting bolts have a shallow Torx recess and can strip if the Torx driver is not fully engaged. Always make sure that the driver is fully seated in the recess before attempting to loosen or tighten a bolt. Also periodically check that your Torx bit is sharp and flat. If it is not, dress the end of your driver with a grinder.
1. Make sure you have the anti-theft codes for the audio and navigation system, then write down the frequencies for the radio channel presets.
 2. Start the engine, and check that the SRS indicator comes on and goes off after about 6 seconds.
 - If the SRS indicator does not go off, there is a DTC stored in the SRS unit. Write on the RO that the vehicle arrived at the dealership with the SRS indicator ON. Installing the SRS subharness will not repair any DTCs; it is the customer's responsibility to have the DTC diagnosed and repaired. Go to step 3.
 - If the SRS indicator turns off, go to step 3.
 3. Disconnect the negative battery cable, and wait at least 3 minutes before beginning work.

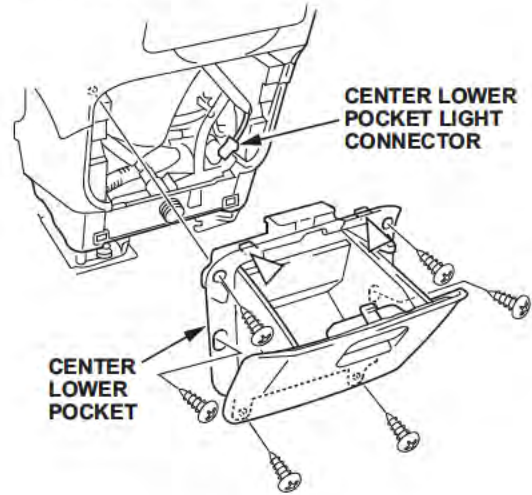
4. Remove the center lower trim.



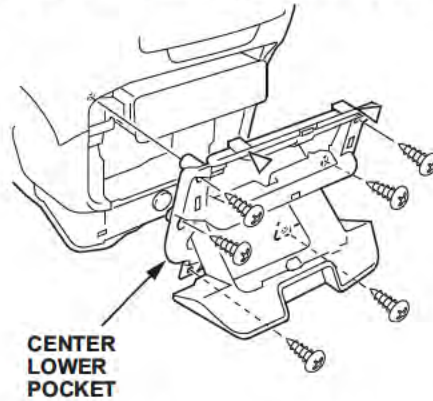
'03-'04 MODELS WITH NAVIGATION SYSTEM:



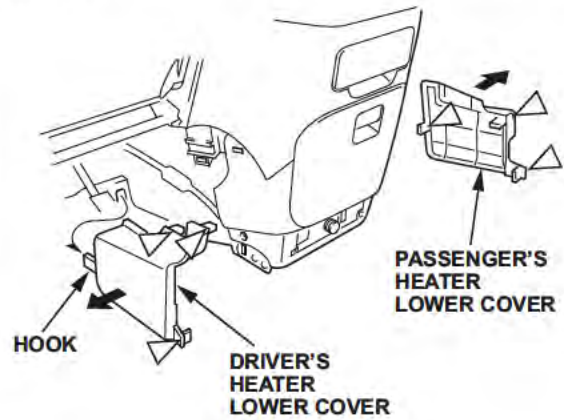
5. Remove the center lower pocket.



'03-'04 MODELS WITH NAVIGATION SYSTEM:

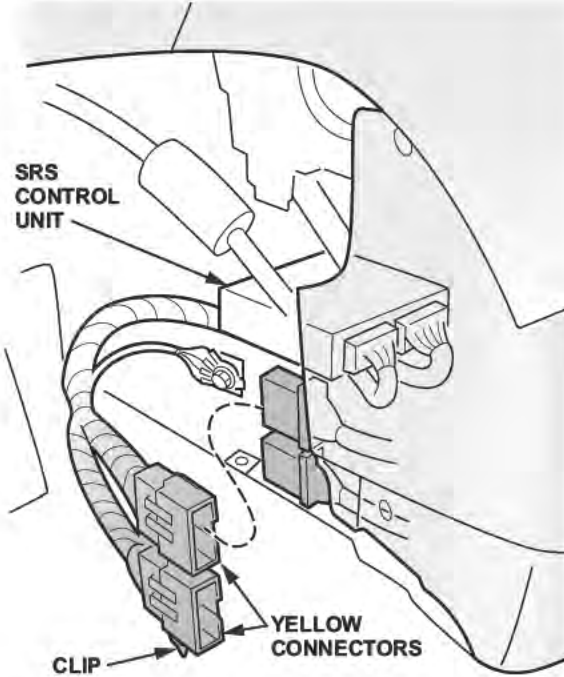


6. Remove the driver's and passenger's heater lower covers.

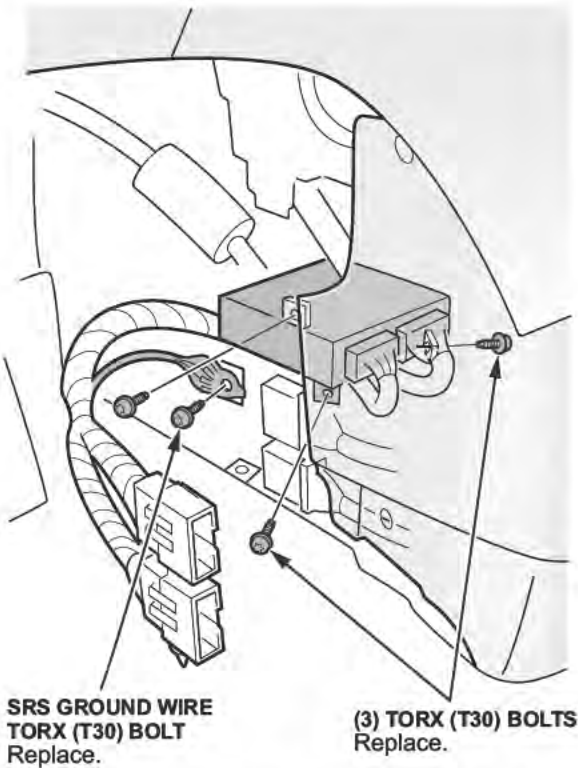


- Disconnect the two yellow connectors, and remove the clip from the floor.

DRIVER'S SIDE

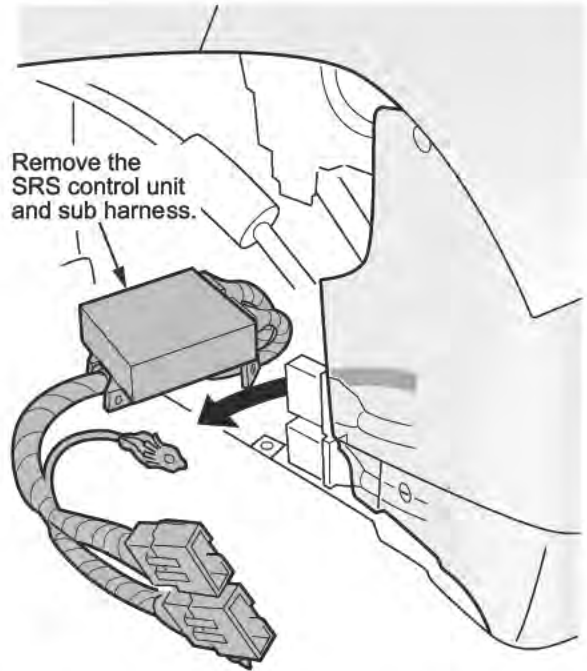


- Remove the three Torx bolts from the SRS unit.
NOTE: You may need to pull down the carpet on the passenger's side to access the Torx bolt.

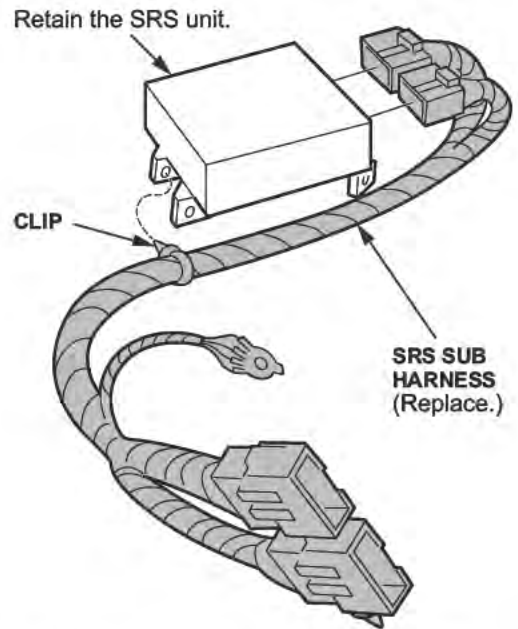


- Remove the SRS ground wire Torx (T30) bolt.

- Remove the SRS unit and the subharness from the vehicle.

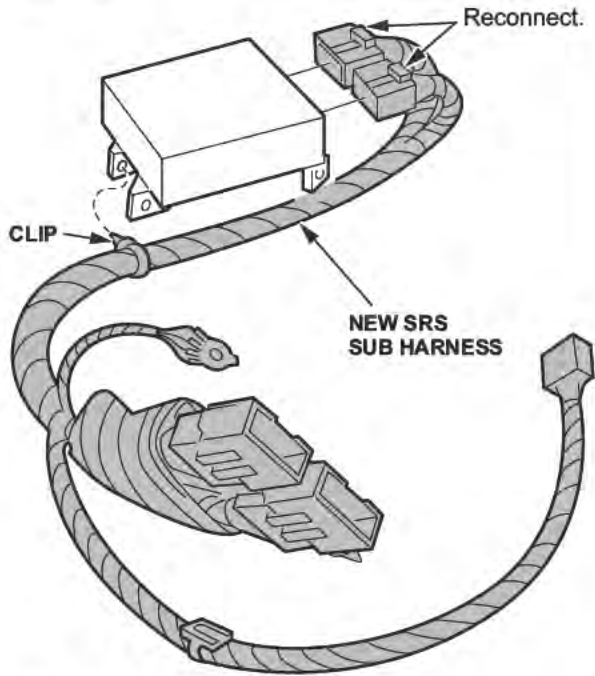


- Remove the subharness clip from the underside of the SRS unit, then disconnect the subharness from the unit.



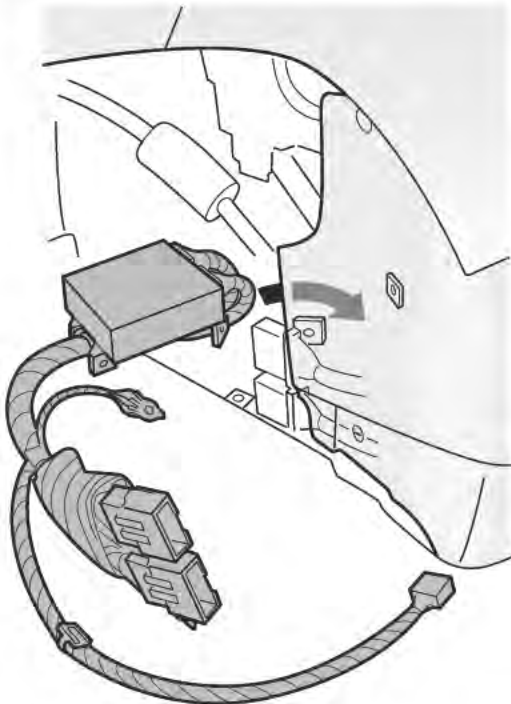
- Cut the connector off one end of the SRS subharness to make sure that it cannot be reused.

13. Install the new SRS subharness to the SRS unit, then install the subharness clip on the underside of the unit.

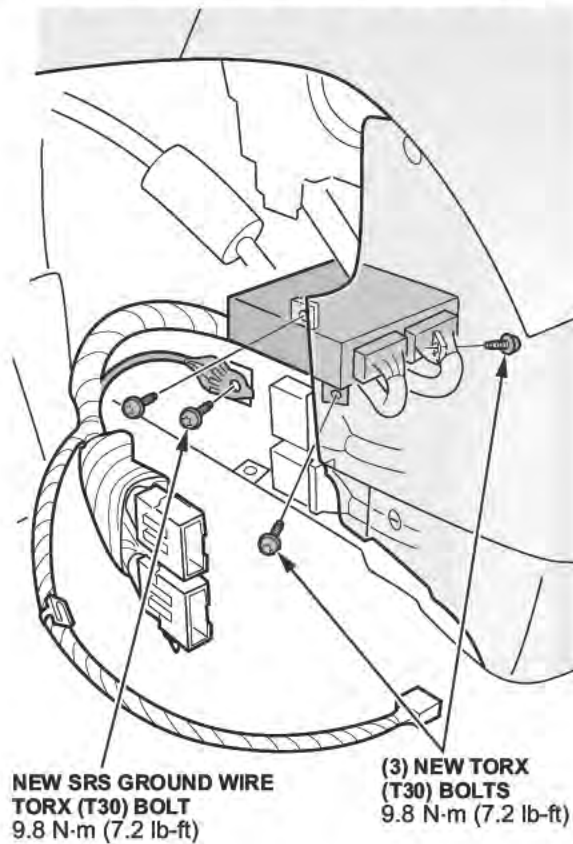


14. Reinstall the SRS unit and SRS subharness into the vehicle and install the three Torx bolts finger-tight.

NOTE: Make sure you are lightly pressing down on the SRS unit because the subharness can lift the unit.

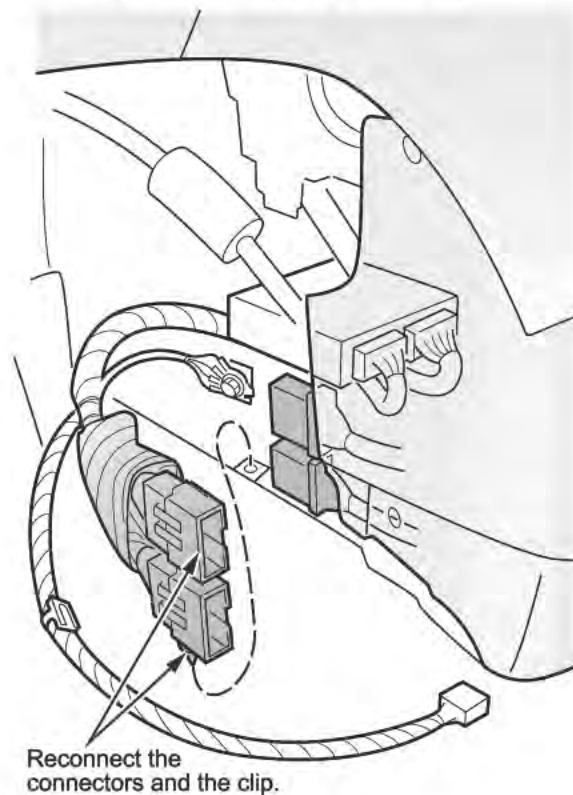


15. Torque the three Torx bolts to 9.8 N•m (7.2 lb-ft).

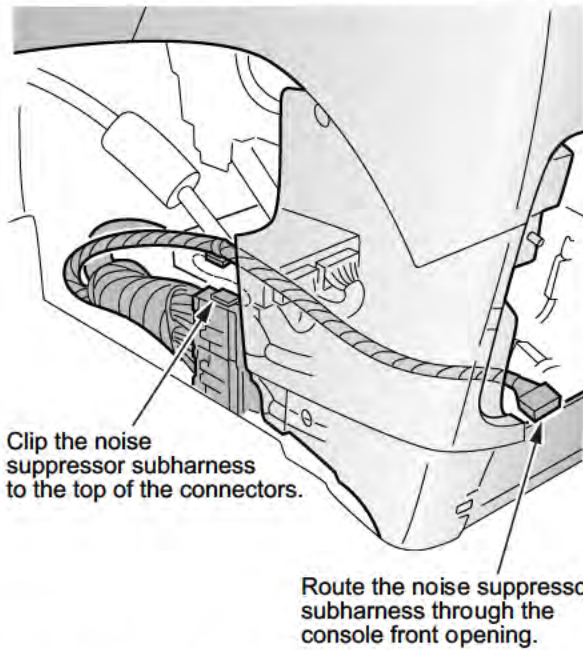


16. Install the fourth Torx bolt to secure the ground wire and torque it to 9.8 N•m (7.2 lb-ft).

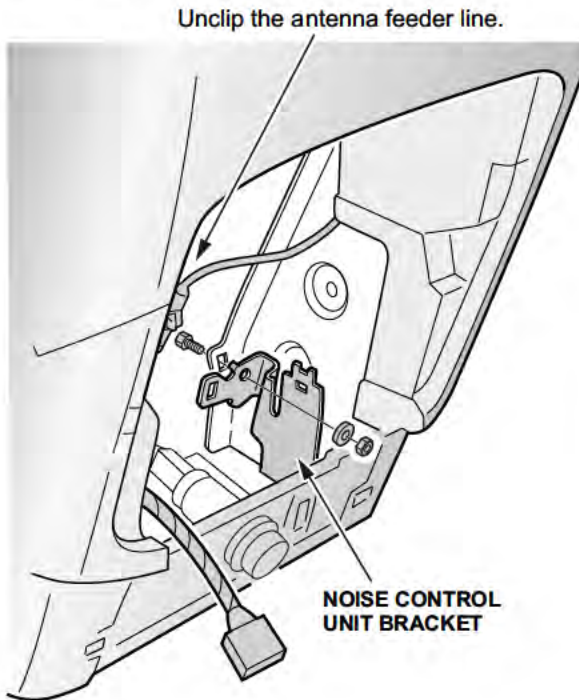
17. Reconnect the connectors and the clip.



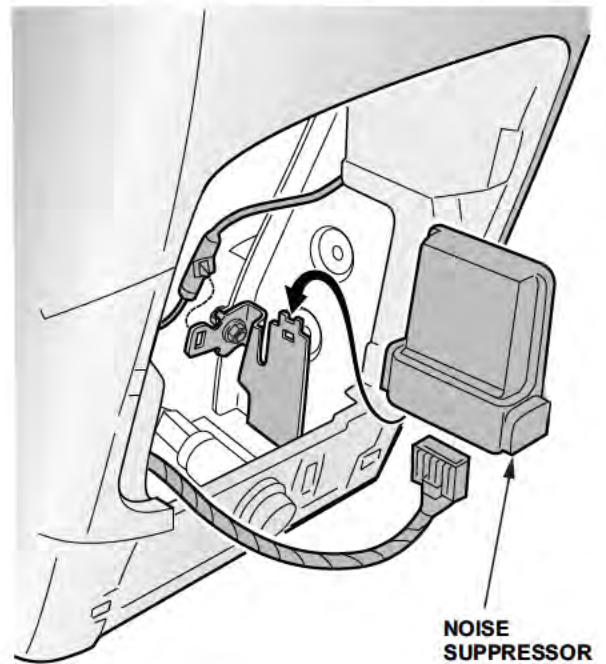
18. Route the noise suppressor subharness as shown.



19. Remove the antenna feeder line clip, and install the noise suppressor bracket using the nut and bolt from the kit.



20. Connect the connector to the noise suppressor.



21. Install the noise suppressor onto the bracket.

22. Reinstall the heater covers, the center lower pocket, and the center console trim.

23. Reconnect the negative battery cable.

24. Start the engine and confirm the SRS indicator comes on and goes off after about 6 seconds.

NOTE: If the SRS indicator was on when the vehicle arrived at the dealership, it will remain on.

25. Enter the anti-theft codes for the audio and navigation system, then enter the customer's radio presets.

26. Reset the power window control unit:

- Turn the ignition switch to LOCK (0), then back to ON (II).
- Press the driver's window switch firmly to the second detent to lower the window all the way down.
- When the window reaches the bottom, hold the driver's window switch in the DOWN position for 2 seconds.
- Pull the driver's window switch and hold it to the second detent to raise the window without stopping.
- When the window reaches the top, hold the driver's window switch in the UP position for 2 seconds.

27. *Vehicles without navigation*: Set the clock.

28. Do the idle learn procedure.

- Make sure all electrical items (A/C, audio unit, defogger, lights, etc.) are off.
- Start the engine, and let it warm up to its normal operating temperature (the cooling fans cycle twice).
- Let the engine idle (throttle closed and all electrical items off) for 10 minutes.

PE13-020

HONDA

12/3/2013

QUESTION 9

13V-412 JC3 2003 Acura MDX

SRS unit malfunction service

bulletin 10-24-2013



Safety Recall: Electrical Noise May Cause Inadvertent Front Airbag Deployment

(Supersedes 13-038, *Safety Recall: Electrical Interference May Cause Inadvertent Front Airbag Deployment*, dated September 19, 2013; see REVISION SUMMARY)

REVISION SUMMARY

The information in this bulletin is complete and no longer preliminary.

BACKGROUND

Electrical noise (interference) generated by the vehicle may inadvertently cause the front airbags to deploy.

CLIENT NOTIFICATION

Owners of affected vehicles will be sent a notification of this campaign.

Do an **iN VIN status inquiry** to make sure the vehicle is shown as eligible.

Some vehicles affected by this campaign may be in your used vehicle inventory. These vehicles **must** be repaired before they are sold.

Should your dealership sell an unrepaired vehicle that subsequently causes injury or damage because of the recalled item, the dealership will be solely responsible to the damaged party, and will be required to defend and indemnify American Honda for any resulting claims. To see if a vehicle in inventory is affected by this recall, do a VIN status inquiry before selling it.

CORRECTIVE ACTION

Replace the SRS subharness with a new one that includes a noise suppressor.

PARTS INFORMATION

Noise Suppressor Kit (includes SRS subharness, noise suppressor, Torx bolts (4), bracket, bolt, wire tie):
P/N 06772-S3V-A00

WARRANTY CLAIM INFORMATION

Operation Number: 7521G7

Flat Rate Time: 0.7 hour

Template ID: 13-038A

Failed Part: P/N 77960-S3V-A81

Defect Code: 5JN00

Symptom Code: JC300

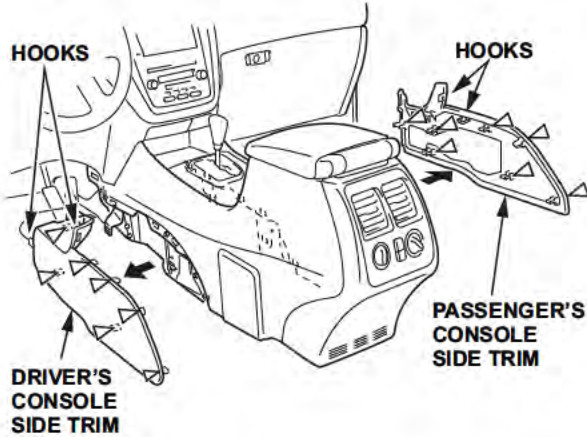
Skill Level: Repair Technician

REPAIR PROCEDURE

NOTE:

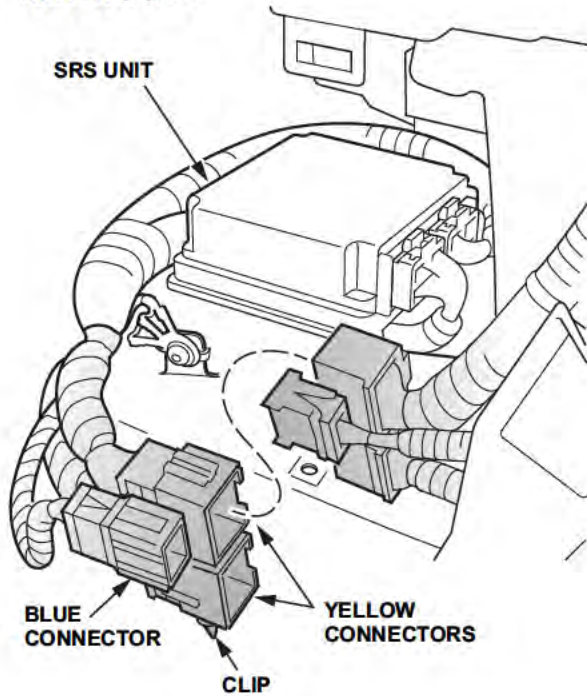
- Before doing this repair procedure, review the SRS Precautions and Procedures (online, enter keyword **PRECAUTION**, and select **SRS Precautions and Procedures** from the list).
 - The SRS unit mounting bolts have a shallow Torx recess and can strip if the Torx driver is not fully engaged. Always make sure that the driver is fully seated in the recess before attempting to loosen or tighten a bolt. Also periodically check that your Torx bit is sharp and flat. If it is not, dress the end of your driver with a grinder.
1. Make sure you have the anti-theft codes for the audio and navigation system, then write down the frequencies for the radio channel presets.
 2. Start the engine, and check that the SRS indicator comes on and goes off after about 6 seconds.
 - If the SRS indicator does not go off, there is a DTC stored in the SRS unit. Write on the RO that the vehicle arrived at the dealership with the SRS indicator ON. Installing the SRS subharness will not repair any DTCs; it is the client's responsibility to have the DTC diagnosed and repaired. Go to step 3.
 - If the SRS indicator turns off, go to step 3.
 3. Disconnect the negative battery cable, and wait at least 3 minutes before beginning work.

- Detach the clips and release the hooks, then remove the driver's and passenger's console side trim.

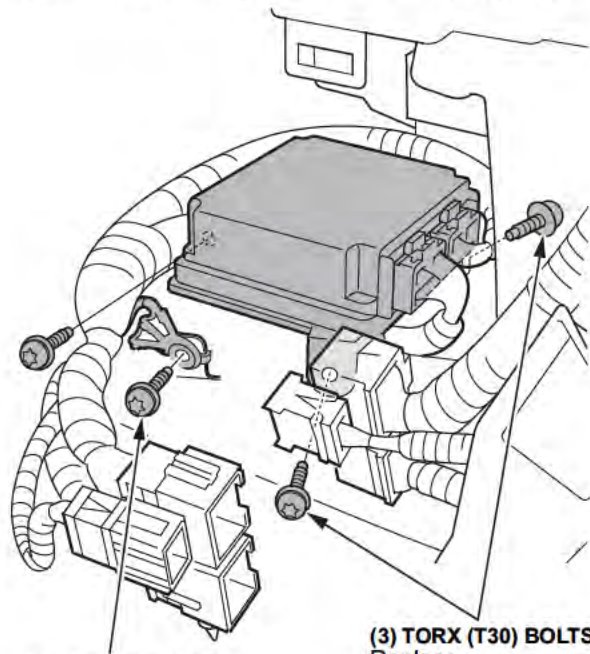


- On the driver's side, disconnect the clip, then disconnect the two yellow connectors and the blue connector.

DRIVER'S SIDE



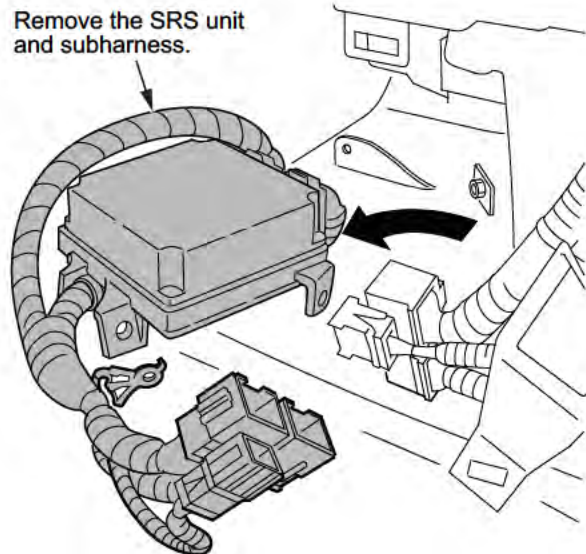
- Remove the SRS ground wire Torx (T30) bolt.



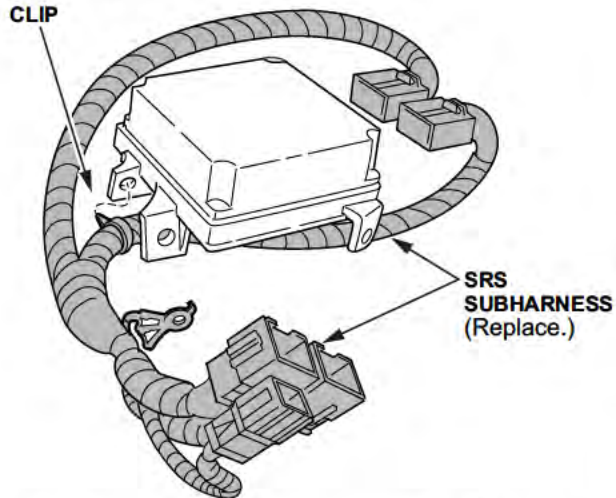
- Remove the SRS unit by removing the three Torx (T30) mounting bolts.

NOTE: Two of the bolts are accessible from the driver's side, and one is accessible from the passenger's side.

- Remove the SRS unit and the subharness from the vehicle.



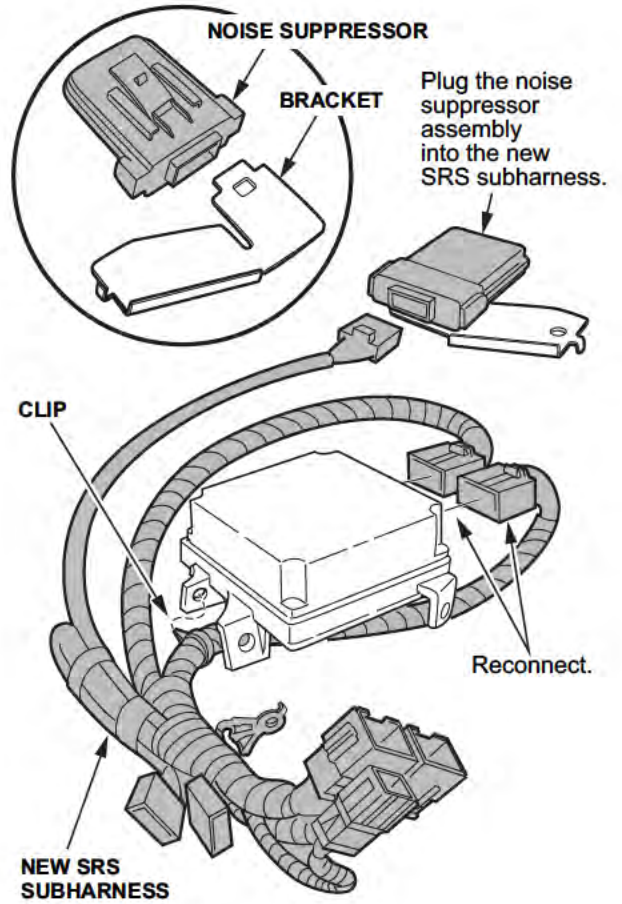
9. Remove the subharness clip from the underside of the SRS unit, then disconnect the subharness from the unit.



10. Cut the connector off one end of the SRS subharness to make sure that it cannot be reused.

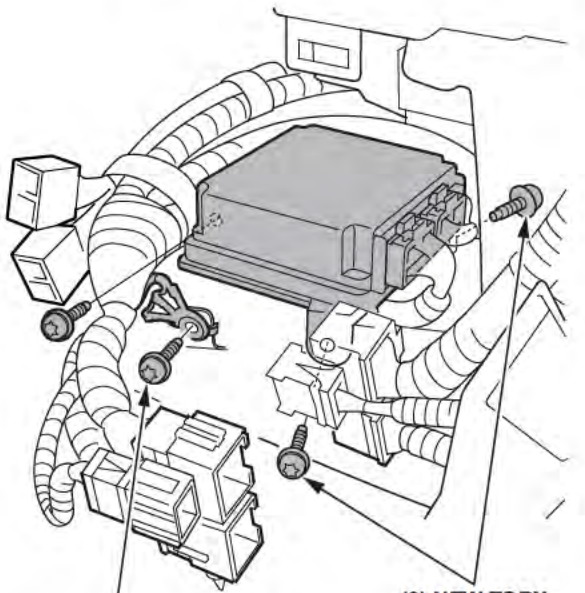
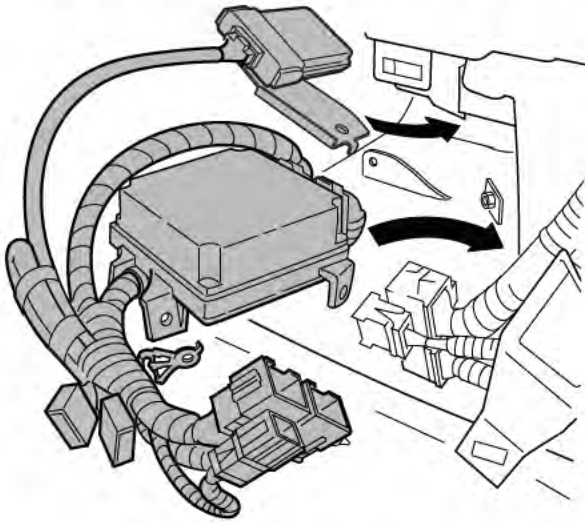
11. Install the new SRS subharness to the SRS unit:

- Install the noise suppressor onto the bracket.
- Connect the suppressor to the new SRS subharness.
- Connect the new subharness to the SRS unit and install the subharness clip to the underside of the unit.



12. Reinstall the SRS unit into the vehicle:

- Make sure the SRS unit is squarely against its bracket and install the three Torx bolts. Torque them to **9.8 N•m (7.2 lb-ft)**.
- Install the fourth Torx bolt to secure the ground wire and torque it to **9.8 N•m (7.2 lb-ft)**.



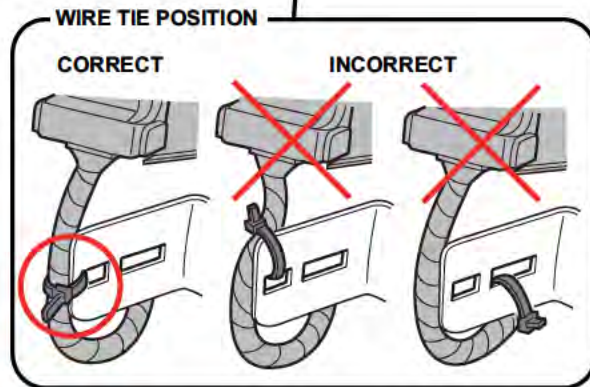
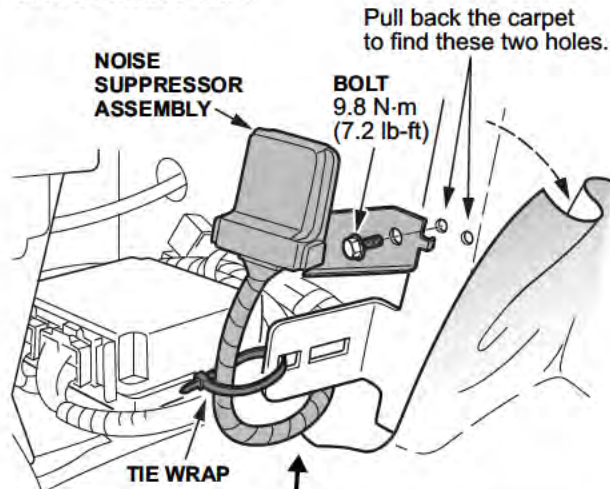
**NEW SRS GROUND WIRE
TORX (T30) BOLT
9.8 N•m (7.2 lb-ft)**

**(3) NEW TORX
(T30) BOLTS
9.8 N•m (7.2 lb-ft)**

13. Install the subharness and noise suppressor.

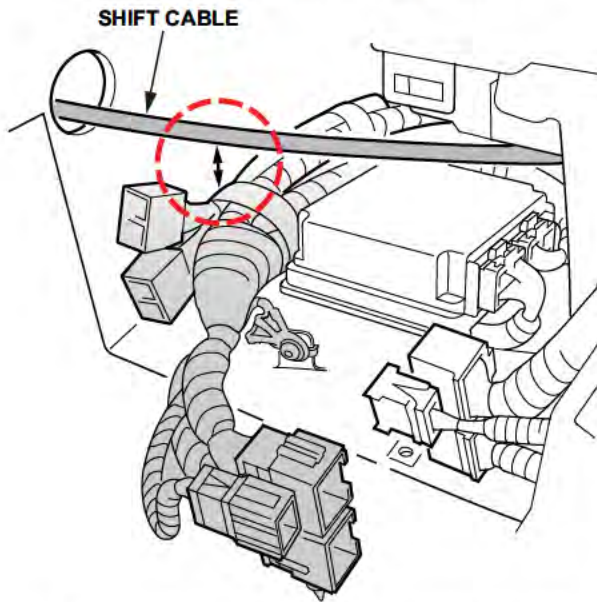
- Install the bracket with the noise suppressor in the threaded open hole on the passenger's side, and torque the bolt to **9.8 N•m (7.2 lb-ft)**.

PASSENGER'S SIDE

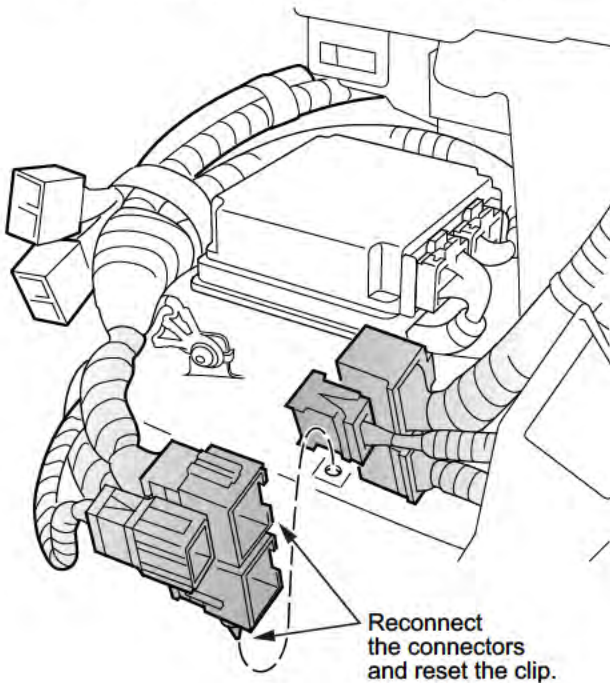


- Install a tie wrap as shown to hold the suppressor subharness in place.

- Make sure that the SRS subharness does not interfere with or rub on the shift cable.



- Reconnect the two yellow connectors and the blue connector, then reconnect the clip.



14. Install the center console side trim.
15. Reconnect the negative battery cable.
16. Start the engine and confirm the SRS indicator comes on and goes off after about 6 seconds.
NOTE: If the SRS indicator was on when the vehicle arrived at the dealership, it will remain on.
17. Enter the anti-theft codes for the audio and navigation system, then enter the client's radio presets.
18. Reset the power window control unit:
 - Turn the ignition switch to LOCK (0), then back to ON (II).
 - Press the driver's window switch firmly to the second detent to lower the window all the way down.
 - When the window reaches the bottom, hold the driver's window switch in the DOWN position for 2 seconds.
 - Pull the driver's window switch and hold it to the second detent to raise the window without stopping.
 - When the window reaches the top, hold the driver's window switch in the UP position for 2 seconds.
19. *Vehicles without navigation:* Set the clock.