

Cable Diagrams For SAS-1 and Associated Equipment

Date: 28 December, 2000

- | | |
|------------------|---------------------------|
| 1) Null Modem | SAS-CT/SAS-RI (RJB) to PC |
| 2) Modem | SAS-RFM/SAS-LLM to PC |
| 3) Straight-Thru | SAS-CT to SAS-RI (RJ4) |
| 4) Modem | SAS-RI to SAS-RFM |
| 5) Modem | SAS-RI to DB-9M/DB-25M |
| 6) Modem | SAS-CT to SAS-RFM/LLM |
| 7) Modem | SAS-CT to DB-9M/DB25M |
| 8) Break Out | SAS-RI to SAS-RFM |
| 9) RS-232 HR | SAS-1 to SAS-JB to DB-9M |



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1) Null Modem

SAS-CT/SAS-RI (RJB) to PC/USI (Aux)

Date: 07 September 2000

SAS-CT/SAS-RI (RJB)
(RJ-45)

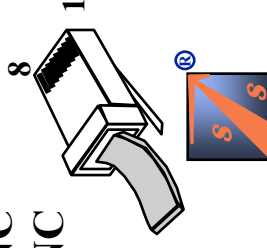
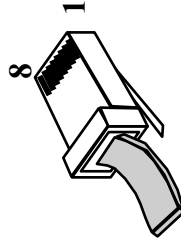
RxD (In) 1
CTS (In) 2
TxD (Out) 3
RTS (Out) 4
Gnd 5
NC 6
NC 7
NC 8

PC
(DB-9F)

1 DCD (In)
2 RxD (In)
3 TxD (Out)
4 DTR (Out)
5 Gnd
6 DSR (In)
7 RTS (Out)
8 CTS (In)
9 RI (in)

USI (Aux)
(RJ-45)

1 NC
2 RxD (In)
3 TxD (Out)
4 NC
5 Gnd
6 NC
7 NC
8 NC



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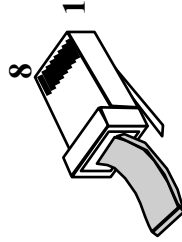
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2) Modem

SAS-RFM/SAS-LLM to PC

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SAS-RFM/SAS-LLM (RJ-45) (A or B)		PC (DB-9F)	PC (DB-25F)
DCD (Out) 1	→	1 DCD (In)	8 DCD (In)
RxD (Out) 2	→	2 RxD (In)	3 RxD (In)
TxD (In) 3	←	3 TxD (Out)	2 TxD (Out)
DTR (In) 4	←	4 DTR (Out)	20 DTR (Out)
Gnd 5	—	5 Gnd	7 Gnd
DSR (Out) 6	→	6 DSR (In)	6 DSR (In)
RTS (In) 7	←	7 RTS (Out)	4 RTS (Out)
CTS (Out) 8	→	8 CTS (In)	5 CTS (In)
		9 RI (in)	22 RI (in)



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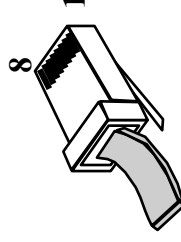
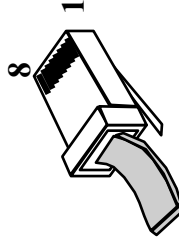
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3) Straight Thru

SAS-CT to SAS-RI (RJA)

Date: 07 September 2000

SAS-CT (RJ-45)		SAS-RI (RJ-45) (RJA)
RxD (In) 1	←	1 TxD (Out)
CTS (In) 2	←	2 RTS (Out)
TxD (Out) 3	→	3 RxD (In)
RTS (Out) 4	→	4 CTS (In)
Gnd 5	—	5 Gnd
NC 6	—	6 NC
NC 7	—	7 NC
NC 8	—	8 NC



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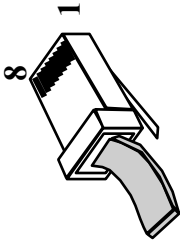
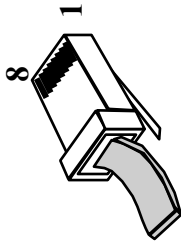
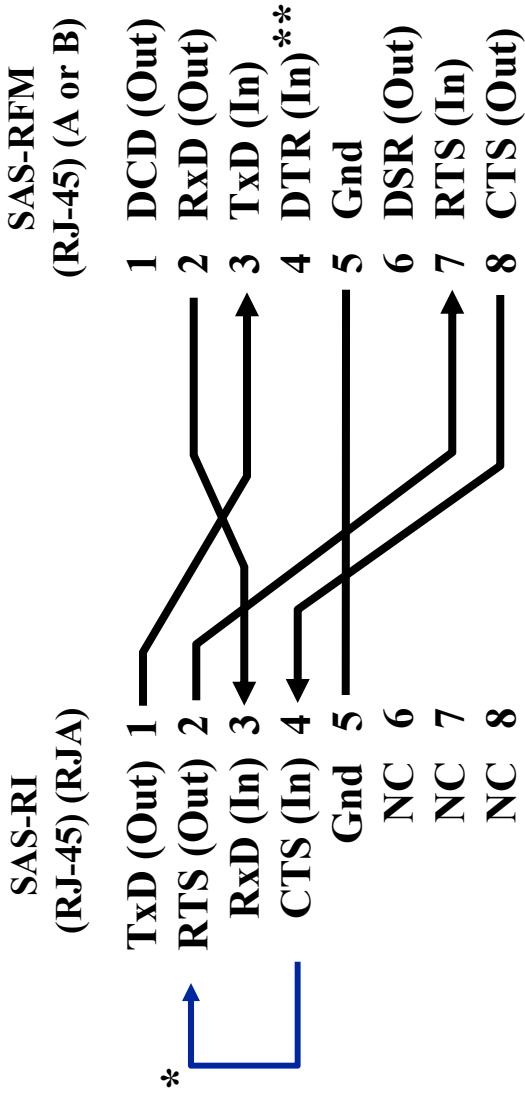
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SAS-RI to SAS-RFM

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4) Modem



* Make sure CTS to RTS jumper is in place in SAS-CT

** Jumper DTR in SAS-RFM



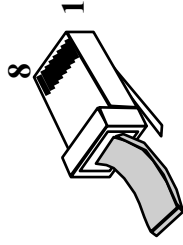
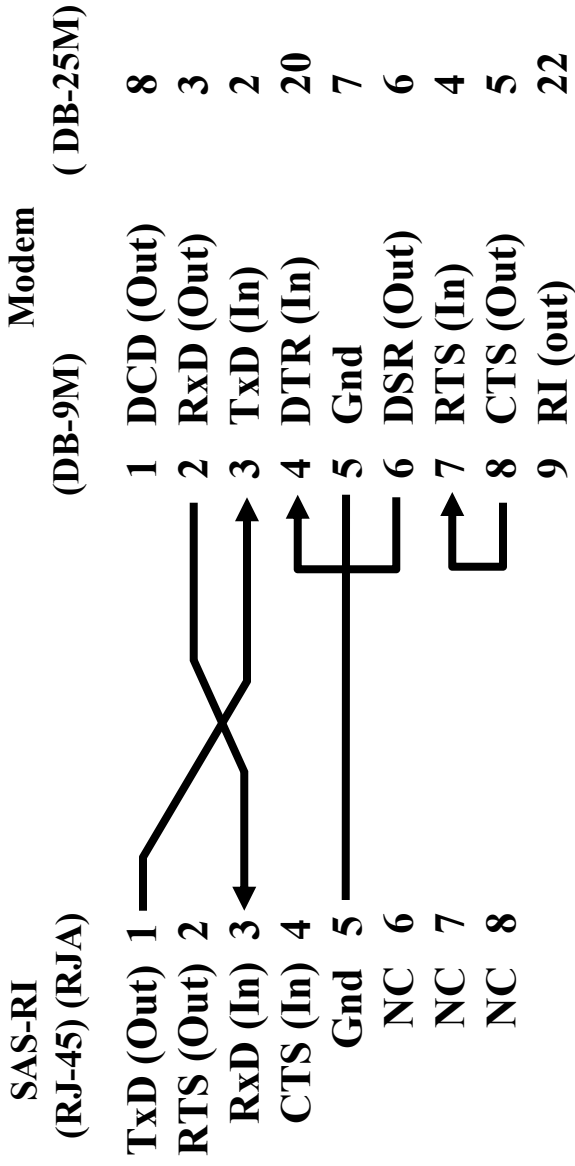
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5) Modem

SAS-RI (RJ45) to LLM (DB-9M/DB-25M)

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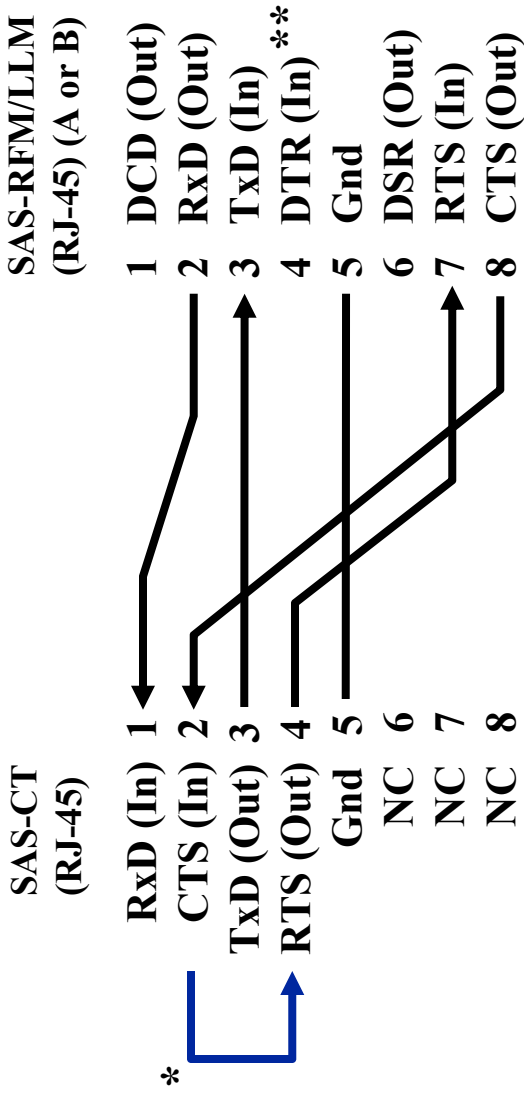
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6) Modem

SAS-CT to SAS-RFM/LLM

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*



* Make sure CTS to RTS jumper is in place in SAS-CT

** Jumper DTR in SAS-RFM/LLM



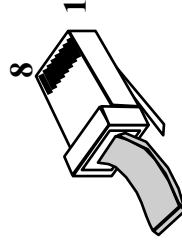
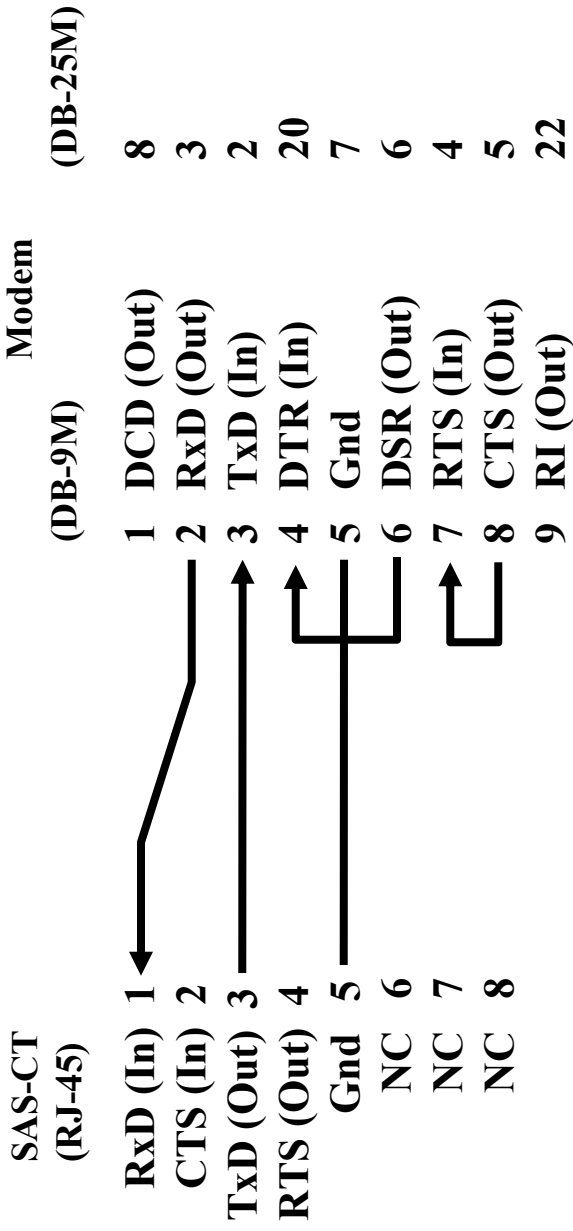
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7) Modem

SAS-CT to DB-9M/DB25M

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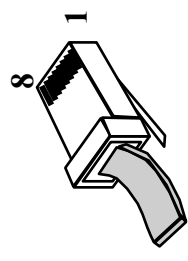
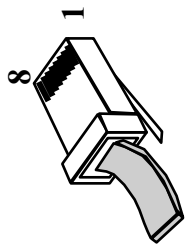
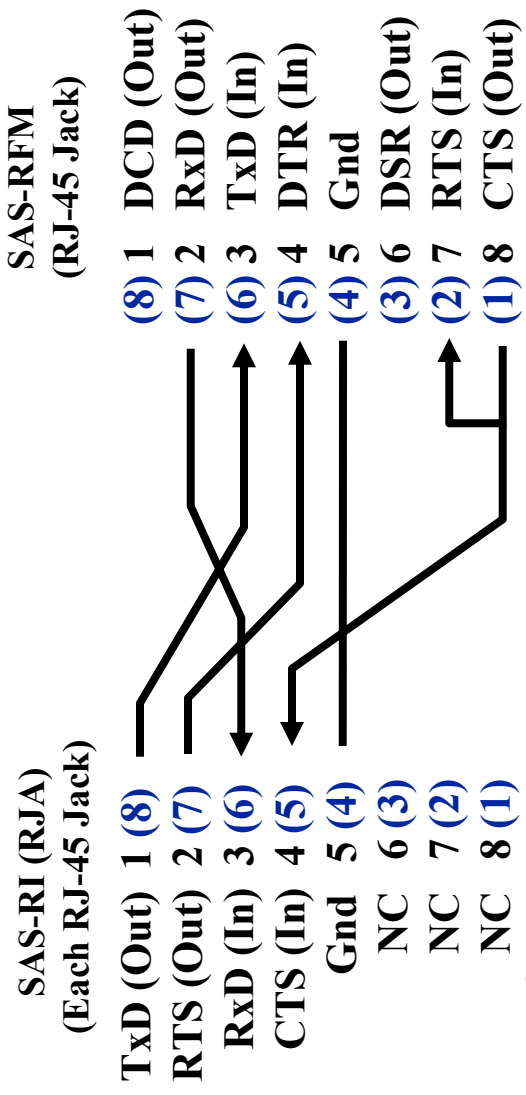
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SAS-RI To RFM Breakout Box

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8) Breakout Box



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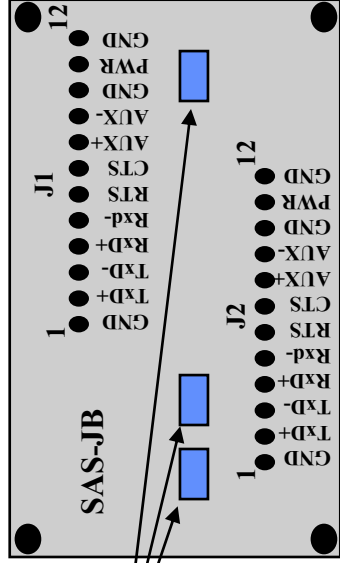
(*) Numbers in parentheses are the internal 8 Pin Modular number labels

Use Straight Thru cables from SAS-RI (RJA) to the break-out box and from the break-out box to the RF Modem.

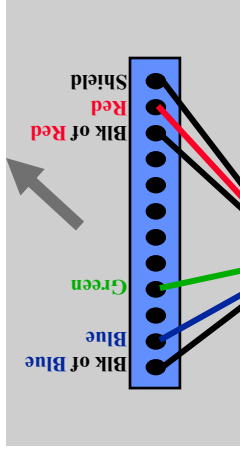
9) SAS-1 RS-232 Home Run

SAS-1 to SAS-JB to DB-9M

Date: 28 December 2000

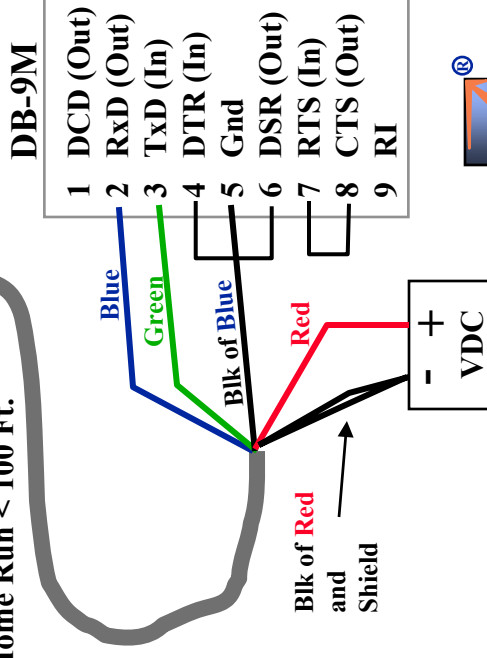


Gas Tube
Surge Protectors



To SAS-1

Home Run < 100 Ft.



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SAS-1 Short
Home Run