

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'DC': EADP CHK2 CK22 error & RCHA CHK2 ST2 error & BSA1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMG	LCM-ADP I/F ERR at LCMH
12	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/A L WCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC parity error	CBIR1 input data parity error
13	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'DD': EADP CHK2 CK22 error & RCHA CHK2 ST3 error & BSA1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMD	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMF
12	RCHA::CHK2ST3							
	SHRB outout data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ TOUT/ PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	Micro-packet counter parity error	XFREND0 counter parity error
13	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter parity error	Reduction CBIR pointer parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'DE': EADP CHK2 CK22 error & RCHA CHK2 ST4 error & BSA1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMD	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMG	LCM-ADP I/F ERR at LCMH
12	RCHA::CHK2ST4							
	Subsequent segment address REG remained at transfer end	Data remained in CHR at transfer end	Data remained in CBIR0 at transfer end	Data remained in CBIR1 at transfer end	Data remained in CBR at transfer end	Data remained in CBOR at transfer end	(RSV)	(RSV)
13	RCHA::CHK2ST4							
	Micro access error (CKDDL error)	Micro access error (FBADL error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'E0': EADP CHK2 CK20 error & RCHA CHK2 ST0 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRT I/PRTIP parity error	CHBUS0 parity error (RD XFR)	CHBUS1 parity error (RD XFR)	CHBUS0 parity error (WR XFR)	CHBSU1 parity error (WR XFR)	LRC ERR (RD XFR)	LRC ERR (WR XFR)	(RSV)
12	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL transfer sequencer parity error	CHR/CBIR pointer parity error	CHR sequence pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
13	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR counter parity error	CBOR/CH R/SHR compare error	CHC parity error	BSA data register counter parity error	SCH0/1 pointer parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'E1': EADP CHK2 CK20 error & RCHA CHK2 ST1 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRT I/PRTIP parity error	CHBUS0 parity error (RD XFR)	CHBUS1 parity error (RD XFR)	CHBUS0 parity error (WR XFR)	CHBSU1 parity error (WR XFR)	LRC ERR (RD XFR)	LRC ERR (WR XFR)	(RSV)
12	RCHA::CHK2ST1							
	Pending counter parity error	Sub-block offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
13	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF transfer W/R pointer parity error	BSA packet reception halt error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'E2': EADP CHK2 CK20 error & RCHA CHK2 ST2 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRT I/PRTIP parity error	CHBUS0 parity error (RD XFR)	CHBUS1 parity error (RD XFR)	CHBUS0 parity error (WR XFR)	CHBSU1 parity error (WR XFR)	LRC ERR (RD XFR)	LRC ERR (WR XFR)	(RSV)
12	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/A L WCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC parity error	CBIR1 input data parity error
13	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'E3': EADP CHK2 CK20 error & RCHA CHK2 ST3 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRT I/PRTIP parity error	CHBUS0 parity error (RD XFR)	CHBUS1 parity error (RD XFR)	CHBUS0 parity error (WR XFR)	CHBSU1 parity error (WR XFR)	LRC ERR (RD XFR)	LRC ERR (WR XFR)	(RSV)
12	RCHA::CHK2ST3							
	CHRB output data parity error	CHR compare error 0	CHR compare error 1	MRKOUT/ TOUT/ PRTOUTP P-ER	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	Micro-packet counter parity error	XFREND0 counter parity error
13	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter parity error	Reduction CBIR pointer parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'E4': EADP CHK2 CK20 error & RCHA CHK2 ST4 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/CHA abort
11	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRT I/PRTIP parity error	CHBUS0 parity error (RD XFR)	CHBUS1 parity error (RD XFR)	CHBUS0 parity error (WR XFR)	CHBSU1 parity error (WR XFR)	LRC ERR (RD XFR)	LRC ERR (WR XFR)	(RSV)
12	RCHA::CHK2ST4							
	Subsequent segment address REG remained at transfer end	Data remained in CHR at transfer end	Data remained in CBIR0 at transfer end	Data remained in CBIR1 at transfer end	Data remained in CBR at transfer end	Data remained in CBOR at transfer end	(RSV)	(RSV)
13	RCHA::CHK2ST4							
	Micro access error (CKDDL error)	Micro access error (FBADL error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'E5': EADP CHK2 CK21 error & RCHA CHK2 ST0 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/CHA abort
11	EADP::CK21 (at data transfer between LCM and ADP)							
	Micro-frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
12	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL transfer sequencer parity error	CHR/CBIR pointer parity error	CHR sequence pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
13	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR counter parity error	CBOR/CH R/SHR compare error	CHC parity error	BSA data register counter parity error	SCH0/1 pointer parity error
14	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'E6': EADP CHK2 CK21 error & RCHA CHK2 ST1 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK21 (at data transfer between LCM and ADP)							
	Micro-frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
12	RCHA::CHK2ST1							
	Pending counter parity error	Sub-block offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
13	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF transfer W/R pointer parity error	BSA packet reception halt error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87L/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'E7': EADP CHK2 CK21 error & RCHA CHK2 ST2 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK21 (at data transfer between LCM and ADP)							
	Micro-frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
12	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/A L WCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC parity error	CBIR1 input data parity error
13	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'E8': EADP CHK2 CK21 error & RCHA CHK2 ST3 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK21 (at data transfer between LCM and ADP)							
	Micro-frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
12	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ TOUT/ PRTOUTP P-ER	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	Micro-packet counter parity error	XFREND0 counter parity error
13	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter parity error	Reduction CBIR pointer parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'E9': EADP CHK2 CK21 error & RCHA CHK2 ST4 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK21 (at data transfer between LCM and ADP)							
	Micro-frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
12	RCHA::CHK2ST4							
	Subsequent segment address REG remained at transfer end	Data remained in CHR at transfer end	Data remained in CBIR0 at transfer end	Data remained in CBIR1 at transfer end	Data remained in CBR at transfer end	Data remained in CBOR at transfer end	(RSV)	(RSV)
13	RCHA::CHK2ST4							
	Micro access error (CKDDL error)	Micro access error (FBADL error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'EA': EADP CHK2 CK22 error & RCHA CHK2 ST0 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMD	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMG	LCM-ADP I/F ERR at LCMH
12	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL transfer sequencer parity error	CHR/CBIR pointer parity error	CHR sequence pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
13	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR counter parity error	CBOR/CH R/SHR compare error	CHC parity error	BSA data register counter parity error	SCH0/1 pointer parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'EB': EADP CHK2 CK22 error & RCHA CHK2 ST1 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMD	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMG	LCM-ADP I/F ERR at LCMH
12	RCHA::CHK2ST1							
	Pending counter parity error	Sub-block offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
13	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF transfer W/R pointer parity error	BSA packet reception halt error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 :A000 08XX (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'EC': EADP CHK2 CK22 error & RCHA CHK2 ST2 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMG	LCM-ADP I/F ERR at LCMH
12	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/A L WCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC parity error	CBIR1 input data parity error
13	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'ED': EADP CHK2 CK22 error & RCHA CHK2 ST3 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMD	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMF
12	RCHA::CHK2ST3							
	SHRB outout data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ TOUT/ PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	Micro-packet counter parity error	XFREND0 counter parity error
13	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter parity error	Reduction CBIR pointer parity error
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'EE': EADP CHK2 CK22 error & RCHA CHK2 ST4 error & BSA0 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMD	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMG	LCM-ADP I/F ERR at LCMH
12	RCHA::CHK2ST4							
	Subsequent segment address REG remained at transfer end	Data remained in CHR at transfer end	Data remained in CBIR0 at transfer end	Data remained in CBIR1 at transfer end	Data remained in CBR at transfer end	Data remained in CBOR at transfer end	(RSV)	(RSV)
13	RCHA::CHK2ST4							
	Micro access error (CKDDL error)	Micro access error (FBADL error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'F0': EADP CHK2 CK20 error & RCHA CHK2 ST0 error & BSA0-1 CHK2 error							
9	RCHA::XFS0.							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRT I/PRTIP parity error	CHBUS0 parity error (RD XFR)	CHBUS1 parity error (RD XFR)	CHBUS0 parity error (WR XFR)	CHBSU1 parity error (WR XFR)	LRC ERR (RD XFR)	LRC ERR (WR XFR)	(RSV)
12	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL transfer sequencer parity error	CHR/CBIR pointer parity error	CHR sequence pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
13	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR counter parity error	CBOR/CH R/SHR compare error	CHC parity error	BSA data register counter parity error	SCH0/1 pointer parity error
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'F1': EADP CHK2 CK20 error & RCHA CHK2 ST1 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRT I/PRTIP parity error	CHBUS0 parity error (RD XFR)	CHBUS1 parity error (RD XFR)	CHBUS0 parity error (WR XFR)	CHBSU1 parity error (WR XFR)	LRC ERR (RD XFR)	LRC ERR (WR XFR)	(RSV)
12	RCHA::CHK2ST1							
	Pending counter parity error	Sub-block offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
13	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF transfer W/R pointer parity error	BSA packet reception halt error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'F2': EADP CHK2 CK20 error & RCHA CHK2 ST2 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRT I/PRTIP parity error	CHBUS0 parity error (RD XFR)	CHBUS1 parity error (RD XFR)	CHBUS0 parity error (WR XFR)	CHBSU1 parity error (WR XFR)	LRC ERR (RD XFR)	LRC ERR (WR XFR)	(RSV)
12	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/A L WCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC parity error	CBIR1 input data parity error
13	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'F3': EADP CHK2 CK20 error & RCHA CHK2 ST3 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0. CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRT I/PRTIP parity error	CHBUS0 parity error (RD XFR)	CHBUS1 parity error (RD XFR)	CHBUS0 parity error (WR XFR)	CHBSU1 parity error (WR XFR)	LRC ERR (RD XFR)	LRC ERR (WR XFR)	(RSV)
12	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ TOUT/ PRTOUTP parity error	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	Micro-packet counter parity error	XFREND0 counter parity error
13	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter parity error	Reduction CBIR pointer parity error
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'F4': EADP CHK2 CK20 error & RCHA CHK2 ST4 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/CHA abort
11	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRT I/PRTIP parity error	CHBUS0 parity error (RD XFR)	CHBUS1 parity error (RD XFR)	CHBUS0 parity error (WR XFR)	CHBSU1 parity error (WR XFR)	LRC ERR (RD XFR)	LRC ERR (WR XFR)	(RSV)
12	RCHA::CHK2ST4							
	Subsequent segment address REG remained at transfer end	Data remained in CHR at transfer end	Data remained in CBIR0 at transfer end	Data remained in CBIR1 at transfer end	Data remained in CBR at transfer end	Data remained in CBOR at transfer end	(RSV)	(RSV)
13	RCHA::CHK2ST4							
	Micro access error (CKDDL error)	Micro access error (FBADL error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
14	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
15	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
17	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'F5': ADP CHK2 CK21 error & RCHA CHK2 ST0 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK21 (at data transfer between LCM and ADP)							
	Micro-frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
12	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL transfer sequencer parity error	CHR/CBIR pointer parity error	CHR sequence pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
13	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR counter parity error	CBOR/CH R/SHR compare error	CHC parity error	BSA data register counter parity error	SCH0/1 pointer parity error
14	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'F6': EADP CHK2 CK21 error & RCHA CHK2 ST1 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK21 (at data transfer between LCM and ADP)							
	Micro-frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
12	RCHA::CHK2ST2							
	Pending counter parity error	Sub-block offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
13	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF transfer W/R pointer parity error	BSA packet reception halt error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'F7': EADP CHK2 CK21 error & RCHA CHK2 ST2 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK21 (at data transfer between LCM and ADP)							
	Micro-frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
12	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/A L WCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC parity error	CBIR1 input data parity error
13	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'F8': EADP CHK2 CK21 error & RCHA CHK2 ST3 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK21 (at data transfer between LCM and ADP)							
	Micro-frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
12	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ TOUT/ PRTOUPT P-ER	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	Micro-packet counter parity error	XFREND0 counter parity error
13	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter parity error	Reduction CBIR pointer parity error
14	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'F9': EADP CHK2 CK21 error & RCHA CHK2 ST4 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/CHA abort
11	EADP::CK21 (at data transfer between LCM and ADP)							
	Micro-frame LRC error	BUS0 parity error	BUS1 parity error	Sequencer detected parity error	(RSV)	(RSV)	(RSV)	(RSV)
12	RCHA::CHK2ST4							
	Subsequent segment address REG remained at transfer end	Data remained in CHR at transfer end	Data remained in CBIR0 at transfer end	Data remained in CBIR1 at transfer end	Data remained in CBR at transfer end	Data remained in CBOR at transfer end	(RSV)	(RSV)
13	RCHA::CHK2ST4							
	Micro access error (CKDDL error)	Micro access error (FBADL error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'FA: EADP CHK2 CK22 error & RCHA CHK2 ST0 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMD	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMG	LCM-ADP I/F ERR at LCMH
12	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL transfer sequencer parity error	CHR/CBIR pointer parity error	CHR sequence pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
13	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR counter parity error	CBOR/CH R/SHR compare error	CHC parity error	BSA data register counter parity error	SCH0/1 pointer parity error
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'FB': EADP CHK2 CK22 error & RCHA CHK2 ST1 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMD	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMG	LCM-ADP I/F ERR at LCMH
12	RCHA::CHK2ST1							
	Pending counter parity error	Sub-block offset counter parity error	CKD data length counter parity error	Transfer length counter parity error	Block length counter parity error	Segment length counter parity error	FBA data length counter parity error	Packet length counter parity error
13	RCHA::CHK2ST1							
	CHL/CHR pointer parity error	CBF transfer W/R pointer parity error	BSA packet reception halt error	CBIR0 FLRC compare error	CBX FLRC compare error	CHC parity error	BSA data register counter parity error	CBXSQ CBR pointer parity error
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF': LDEV type = DKU87I/x'EF': LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'FC': EADP CHK2 CK22 error & RCHA CHK2 ST2 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMD	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMG	LCM-ADP I/F ERR at LCMH
12	RCHA::CHK2ST2							
	Pending counter hardware	CBIRDY/A L WCBI counter parity error	CBI ready counter overflow	CHR input data parity error	CHR output data parity error	CBIR0 input data parity error	CBIR0 LRC parity error	CBIR1 input data parity error
13	RCHA::CHK2ST2							
	CBF input data parity error	CBOR input data parity error	LA compare error	SHRA LRC compare error	SHRB LRC compare error	SHRA input data parity error	SHRA output data parity error	SHRB input data parity error
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'FD': EADP CHK2 CK22 error & RCHA CHK2 ST3 error & BSA0-1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMD	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMG	LCM-ADP I/F ERR at LCMH
12	RCHA::CHK2ST3							
	SHRB output data parity error	SHR compare error 0	SHR compare error 1	MRKOUT/ TOUT/ PRTOUTP P-ER	CBIR0 SEL pointer parity error	CBIR1 SEL pointer parity error	Micro-packet counter parity error	XFREND0 counter parity error
13	RCHA::CHK2ST3							
	XFREND1 counter parity error	Write BSA0/1 pointer parity error	Read BSA0/1 pointer parity error	CSA0 counter parity error	CSA1 counter parity error	CBP R/W pointer parity error	PFC counter parity error	Reduction CBIR pointer parity error
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'FE': EADP CHK2 CK22 error & RCHA CHK2 ST4 error & BSA0/1 CHK2 error							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK22 (ADP-LCM interface error)							
	LCM-ADP I/F ERR at LCMA	LCM-ADP I/F ERR at LCMB	LCM-ADP I/F ERR at LCMC	LCM-ADP I/F ERR at LCMD	LCM-ADP I/F ERR at LCME	LCM-ADP I/F ERR at LCMF	LCM-ADP I/F ERR at LCMG	LCM-ADP I/F ERR at LCMH
12	RCHA::CHK2ST4							
	Subsequent segment address REG remained at transfer end	Data remained in CHR at transfer end	Data remained in CBIR0 at transfer end	Data remained in CBIR1 at transfer end	Data remained in CBR at transfer end	Data remained in CBOR at transfer end	(RSV)	(RSV)
13	RCHA::CHK2ST4							
	Micro access error (CKDDL error)	Micro access error (FBADL error)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)	(RSV)
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message 9 (host adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'9')			
8	Subcode: x'FF': No Err (Abort cause an other reason)							
9	RCHA::XFS0							
	CHA transfer terminated	BSA0 retry request	BSA1 retry request	Packet flow count register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
10	RCHA::XFS0							
	BSA1 CHK2	Truncation	Halt I/O	Search result: DASD = CPU	Search result: DASD > CPU	Search result: DASD < CPU	BSA0, 1 retry MP request	BSA0, 1 MP abort/ CHA abort
11	EADP::CK20 (at data transfer between ADP and CHA)							
	MRKI/PRT I/PRTIP parity error	CHBUS0 parity error (RD XFR)	CHBUS1 parity error (RD XFR)	CHBUS0 parity error (WR XFR)	CHBUS1 parity error (WR XFR)	LRC ERR (RD XFR)	LRC ERR (WR XFR)	(RSV)
12	RCHA::CHK2ST0							
	M/E sequencer parity error	M/E loop pointer parity error	CHL transfer sequencer parity error	CHR/CBIR pointer parity error	CHR sequence pointer parity error	CHR/CHL pointer parity error	CBIR sequencer parity error	CBIR0/1 pointer parity error
13	RCHA::CHK2ST0							
	CBR pointer parity error	CBX sequencer parity error	CBX SEQ CBOR pointer parity error	CBOR counter parity error	CBOR/CH R/SHR compare error	CHC parity error	BSA data register counter parity error	SCH0/1 pointer parity error
14	BSA::BSASSB #12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
15	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA::BSASSB #12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/ sequence	F bus timeout	WCHK1 assert
17	BSA::BSASSB #13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'89')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'00': SPC#0 error/drive failure							
9	SPC#0::IS (First read)							
10	SPC#0::IS (Second read)							
11	SPC#0::IS (Third read)							
12	SPC#0::IS (Fourth read)							
13	SPC#0::IS (Fifth read)							
14	SPC#0::IS (Sixth read)							
15	SPC#0::IS (Seventh read)							
16	SPC#0::IS (Eighth read)							
17	SCA#0::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 ENABLE	BSA1 ENABLE	0000: Normal write 0001: Normal read 001X: Cache to cache 01XX: Double write/read 1000: Broadcast write			
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'08': SPC#1 error/drive failure							
9	SPC#1::IS (First read)							
10	SPC#1::IS (Second read)							
11	SPC#1::IS : (Third read)							
12	SPC#1::IS (Fourth read)							
13	SPC#1::IS (Fifth read)							
14	SPC#1::IS (Sixth read)							
15	SPC#1::IS (Seventh read)							
16	SPC#1::IS (Eighth read)							
17	SCA#1::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width	BSA0	BSA1	0000: Normal write 0001: Normal read 001X: Cache to cache 01XX: Double write/read 1000: Broadcast write			
		0:8, 1:4B	ENABLE	ENABLE				
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'10': SPC#2 error/drive failure							
9	SPC#2::IS (First read)							
10	SPC#2::IS (Second read)							
11	SPC#2::IS (Third read)							
12	SPC#2::IS (Fourth read)							
13	SPC#2::IS (Fifth read)							
14	SPC#2::IS (Sixth read)							
15	SPC#2::IS (Seventh read)							
16	SPC#2::IS (Eighth read)							
17	SCA#2::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width	BSA0	BSA1	0000: Normal write			
		0:8, 1:4B	ENABLE	ENABLE	0001: Normal read			
				001X: Cache to cache				
				01XX: Double write/read				
				1000: Broadcast write				
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'18': SPC#3 error/drive failure							
9	SPC#3::IS (First read)							
10	SPC#3::IS (Second read)							
11	SPC#3::IS (Third read)							
12	SPC#3::IS (Fourth read)							
13	SPC#3::IS (Fifth read)							
14	SPC#3::IS (Sixth read)							
15	SPC#3::IS (Seventh read)							
16	SPC#3::IS (Eighth read)							
17	SCA#3::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width	BSA0	BSA1	0000: Normal write			
		0:8, 1:4B	ENABLE	ENABLE	0001: Normal read			
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'20': SCA#0 data error							
9	SCA#0::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
10	SCA#0::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
11	SCA#0::SCK21							
	ATL counter 0 parity error	ATL counter 1 parity error	BTL counter 0 parity error	BTL counter 1 parity error	SCB WT PKTL 0 parity error	SCB WT PKTL 1 parity error	SCB RD PKTL 0 parity error	SCB RD PKTL 1 parity error
12	SCA#0::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCCINO FLG SET PTR PER	SYNCCINO FLG RST PTR PER	SYNCCINI FLG SET PTR PER
13	SCA#0::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA error
14	SCA#0::SCK24							
	SCB address A counter parity error	SCB address B counter parity error	SCB address C counter parity error	SCB RD0 pointer (BSA0) parity error	SCB RD1 pointer (BSA1) parity error	SCB WT0 pointer (BSA0) parity error	SCB WT1 pointer (BSA1) parity error	S-LRC error
15	SCA#0::SCK24							
	SCA invalid multi-transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA1/2/3 counter parity error	LBA counter parity error
16	SCA#0::SCK26							
	SCB address parity error (in SCA)	SCB address parity error (out SCA)	SCB read signal error	SCB write signal error	SCB CS signals unmatch : BSA side	SCB CS signals unmatch : SPC side	SCB puls counter A parity error	SCB puls counter B parity error
17	SCA#0::CXM							
	(Not used)	Bus mode			Transfer mode		001X: Cache to cache	
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write 0001: Normal read		01XX: Double write/read 1000: Broadcast write	
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'21': SCA#0 control error							
9	SCA#0::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
10	SCA#0::SCK21							
	ATL counter 0 parity error	ATL counter 1 parity error	BTL counter 0 parity error	BTL counter 1 parity error	SCB WT PKTL 0 parity error	SCB WT PKTL 1 parity error	SCB RD PKTL 0 parity error	SCB RD PKTL 1 parity error
11	SCA#0::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCIN0 FLG SET PTR PER	SYNCIN0 FLG RST PTR PER	SYNCIN1 FLG SET PTR PER
12	SCA#0::SCK22							
	SYNCIN1 FLG RST PTR PER	SBL counter parity error	PL counter parity error	TL counter parity error (I)	SDL counter parity error	CACHE WT AREG DT RDY P PER	CACHE RD pointer A parity error	CACHE RD pointer B parity error
13	SCA#0::SCK23							
	CMD XFR 4 counter parity error	CACHE address & command parity error	REGA DTRDY 8 CNT PER (SCA51)	REGA DTRDY 8 CNT PER (SCA56)	DSL counter A parity error	DSL counter B parity error	SBL counter parity error	STC counter parity error
14	SCA#0::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA error
15	SCA#0::SCK24							
	SCB address A counter parity error	SCB address B counter parity error	SCB address C counter parity error	SCB RD0 pointer (BSA0) parity error	SCB RD1 pointer (BSA1) parity error	SCB WT0 pointer (BSA0) parity error	SCB WT1 pointer (BSA1) parity error	S-LRC error
16	SCA#0::SCK24							
	SCA invalid multi- transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA1/2/3 counter parity error	LBA counter parity error
17	SCA#0::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'28': SCA#1 data error							
9	SCA#1::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
10	SCA#1::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
11	SCA#1::SCK21							
	ATL counter 0 parity error	ATL counter 1 parity error	BTL counter 0 parity error	BTL counter 1 parity error	SCB WT PKTL 0 parity error	SCB WT PKTL 1 parity error	SCB RD PKTL 0 parity error	SCB RD PKTL 1 parity error
12	SCA#1::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCIN0 FLG SET PTR PER	SYNCIN0 FLG RST PTR PER	SYNCIN1 FLG SET PTR PER
13	SCA#1::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA error
14	SCA#1::SCK24							
	SCB address A counter parity error	SCB address B counter parity error	SCB address C counter parity error	SCB RD0 pointer (BSA0) parity error	SCB RD1 pointer (BSA1) parity error	SCB WT0 pointer (BSA0) parity error	SCB WT1 pointer (BSA1) parity error	S-LRC error
15	SCA#1::SCK24							
	SCA invalid multi-transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA1/2/3 counter parity error	LBA counter parity error
16	SCA#1::SCK26							
	SCB address parity error (in SCA)	SCB address parity error (out SCA)	SCB read signal error	SCB write signal error	SCB CS signals unmatch : BSA side	SCB CS signals unmatch : SPC side	SCB puls counter A parity error	SCB puls counter B parity error
17	SCA#1::CXM							
	(Not used)	Bus mode			Transfer mode		001X: Cache to cache	
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write 0001: Normal read		01XX: Double write/read 1000: Broadcast write	
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'29': SCA#1 control error							
9	SCA#1::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
10	SCA#1::SCK21							
	ATL counter 0 parity error	ATL counter 1 parity error	BTL counter 0 parity error	BTL counter 1 parity error	SCB WT PKTL 0 parity error	SCB WT PKTL 1 parity error	SCB RD PKTL 0 parity error	SCB RD PKTL 1 parity error
11	SCA#1::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCIN0 FLG SET PTR PER	SYNCIN0 FLG RST PTR PER	SYNCIN1 FLG SET PTR PER
12	SCA#1::SCK22							
	SYNCIN1 FLG RST PTR PER	SBL counter parity error	PL counter parity error	TL counter parity error (I)	SDL counter parity error	CACHE WT AREG DT RDY P PER	CACHE RD pointer A parity error	CACHE RD pointer B parity error
13	SCA#1::SCK23							
	CMD XFR 4 counter parity error	CACHE address & command parity error	REGA DTRDY 8 CNT PER (SCA51)	REGA DTRDY 8 CNT PER (SCA56)	DSL counter A parity error	DSL counter B parity error	SBL counter parity error	STC counter parity error
14	SCA#1::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA error
15	SCA#1::SCK24							
	SCB address A counter parity error	SCB address B counter parity error	SCB address C counter parity error	SCB RD0 pointer (BSA0) parity error	SCB RD1 pointer (BSA1) parity error	SCB WT0 pointer (BSA0) parity error	SCB WT1 pointer (BSA1) parity error	S-LRC error
16	SCA#1::SCK24							
	SCA invalid multi- transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA1/2/3 counter parity error	LBA counter parity error
17	SCA#1::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU871 / x'EF':LDEV type=DKU861)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'30': SCA#2 data error							
9	SCA#2::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
10	SCA#2::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
11	SCA#2::SCK21							
	ATL counter 0 parity error	ATL counter 1 parity error	BTL counter 0 parity error	BTL counter 1 parity error	SCB WT PKTL 0 parity error	SCB WT PKTL 1 parity error	SCB RD PKTL 0 parity error	SCB RD PKTL 1 parity error
12	SCA#2::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCCIN0 FLG SET PTR PER	SYNCCIN0 FLG RST PTR PER	SYNCCIN1 FLG SET PTR PER
13	SCA#2::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA error
14	SCA#2::SCK24							
	SCB address A counter parity error	SCB address B counter parity error	SCB address C counter parity error	SCB RD0 pointer (BSA0) parity error	SCB RD1 pointer (BSA1) parity error	SCB WT0 pointer (BSA0) parity error	SCB WT1 pointer (BSA1) parity error	S-LRC error
15	SCA#2::SCK24							
	SCA invalid multi-transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA1/2/3 counter parity error	LBA counter parity error
16	SCA#2::SCK26							
	SCB address parity error (in SCA)	SCB address parity error (out SCA)	SCB read signal error	SCB write signal error	SCB CS signals unmatch : BSA side	SCB CS signals unmatch : SPC side	SCB puls counter A parity error	SCB puls counter B parity error
17	SCA#2::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write 0001: Normal read		001X: Cache to cache 01XX: Double write/read 1000: Broadcast write	
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU871 / x'EF':LDEV type=DKU861)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'31': SCA#2 control error							
9	SCA#2::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
10	SCA#2::SCK21							
	ATL counter 0 parity error	ATL counter 1 parity error	BTL counter 0 parity error	BTL counter 1 parity error	SCB WT PKTL 0 parity error	SCB WT PKTL 1 parity error	SCB RD PKTL 0 parity error	SCB RD PKTL 1 parity error
11	SCA#2::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCIN0 FLG SET PTR PER	SYNCIN0 FLG RST PTR PER	SYNCIN1 FLG SET PTR PER
12	SCA#2::SCK22							
	SYNCIN1 FLG RST PTR PER	SBL counter parity error	PL counter parity error	TL counter parity error (I)	SDL counter parity error	CACHE WT AREG DT RDY P PER	CACHE RD pointer A parity error	CACHE RD pointer B parity error
13	SCA#2::SCK23							
	CMD XFR 4 counter parity error	CACHE address & command parity error	REGA DTRDY 8 CNT PER (SCA51)	REGA DTRDY 8 CNT PER (SCA56)	DSL counter A parity error	DSL counter B parity error	SBL counter parity error	STC counter parity error
14	SCA#2::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA error
15	SCA#2::SCK24							
	SCB address A counter parity error	SCB address B counter parity error	SCB address C counter parity error	SCB RD0 pointer (BSA0) parity error	SCB RD1 pointer (BSA1) parity error	SCB WT0 pointer (BSA0) parity error	SCB WT1 pointer (BSA1) parity error	S-LRC error
16	SCA#2::SCK24							
	SCA invalid multi- transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA1/2/3 counter parity error	LBA counter parity error
17	SCA#2::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write	001X: Cache to cache		
					0001: Normal read	01XX: Double write/read		
						1000: Broadcast write		
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU871 / x'EF':LDEV type=DKU861)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'38': SCA#3 data error							
9	SCA#3::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
10	SCA#3::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
11	SCA#3::SCK21							
	ATL counter 0 parity error	ATL counter 1 parity error	BTL counter 0 parity error	BTL counter 1 parity error	SCB WT PKTL 0 parity error	SCB WT PKTL 1 parity error	SCB RD PKTL 0 parity error	SCB RD PKTL 1 parity error
12	SCA#3::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCIN0 FLG SET PTR PER	SYNCIN0 FLG RST PTR PER	SYNCIN1 FLG SET PTR PER
13	SCA#3::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA error
14	SCA#3::SCK24							
	SCB address A counter parity error	SCB address B counter parity error	SCB address C counter parity error	SCB RD0 pointer (BSA0) parity error	SCB RD1 pointer (BSA1) parity error	SCB WT0 pointer (BSA0) parity error	SCB WT1 pointer (BSA1) parity error	S-LRC error
15	SCA#3::SCK24							
	SCA invalid multi-transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA1/2/3 counter parity error	LBA counter parity error
16	SCA#3::SCK26							
	SCB address parity error (in SCA)	SCB address parity error (out SCA)	SCB read signal error	SCB write signal error	SCB CS signals unmatch : BSA side	SCB CS signals unmatch : SPC side	SCB puls counter A parity error	SCB puls counter B parity error
17	SCA#3::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'39': SCAcontrol error							
9	SCA#3::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
10	SCA#3::SCK21							
	ATL counter 0 parity error	ATL counter 1 parity error	BTL counter 0 parity error	BTL counter 1 parity error	SCB WT PKTL 0 parity error	SCB WT PKTL 1 parity error	SCB RD PKTL 0 parity error	SCB RD PKTL 1 parity error
11	SCA#3::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCIN0 FLG SET PTR PER	SYNCIN0 FLG RST PTR PER	SYNCIN1 FLG SET PTR PER
12	SCA#3::SCK22							
	SYNCIN1 FLG RST PTR PER	SBL counter parity error	PL counter parity error	TL counter parity error (I)	SDL counter parity error	CACHE WT AREG DT RDY P PER	CACHE RD pointer A parity error	CACHE RD pointer B parity error
13	SCA#3::SCK23							
	CMD XFR 4 counter parity error	CACHE address & command parity error	REGA DTRDY 8 CNT PER (SCA51)	REGA DTRDY 8 CNT PER (SCA56)	DSL counter A parity error	DSL counter B parity error	SBL counter parity error	STC counter parity error
14	SCA#3::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA error
15	SCA#3::SCK24							
	SCB address A counter parity error	SCB address B counter parity error	SCB address C counter parity error	SCB RD0 pointer (BSA0) parity error	SCB RD1 pointer (BSA1) parity error	SCB WT0 pointer (BSA0) parity error	SCB WT1 pointer (BSA1) parity error	S-LRC error
16	SCA#3::SCK24							
	SCA invalid multi-transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA1/2/3 counter parity error	LBA counter parity error
17	SCA#3::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'40': BSA#0 error (by SCA#0)							
9	BSA::BSASSB_#00 (CHK2A information)							
	CHK error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID parity error	F bus read data error	F bus read P-LRC error	FDB parity error
10	BSA::BSASSB_#01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
11	BSA::BSASSB_#03 (CHK2B information)							
	HDB 1 parity error	HDB 3 parity error	HDB 2 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
12	BSA::BSASSB_#04 (CHK2C information)							
	Side-A access parity error	Side-B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
13	BSA::BSASSB_#05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	ABT count over	DBF access parity error	CHA invalid read	Bus mode error
14	BSA::BSASSB_#06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter (A) parity error
15	BSA::BSASSB_#07 (CHK2C information)							
	DBF address counter (B) parity error	Transfer count error	Command/status A inconsistent	Command/status B inconsistent	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
16	BSA::BSASSB_#08 (CHK2C information)							
	RD3 sequence error	RD3 counter/pointer parity error	RD4 sequence error	RD4 counter/pointer parity error	DKA sequence error	DKA counter/pointer parity error	(RSV)	(RSV)
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'41': BSA#0 error (by SCA#1)							
9	BSA::BSASSB_#00 (CHK2A information)							
	CHK error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID parity error	F bus read data error	F bus read P-LRC error	FDB parity error
10	BSA::BSASSB_#01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
11	BSA::BSASSB_#03 (CHK2B information)							
	HDB 1 parity error	HDB 3 parity error	HDB 2 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
12	BSA::BSASSB_#04 (CHK2C information)							
	Side-A access parity error	Side-B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
13	BSA::BSASSB_#05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	ABT count over	DBF access parity error	CHA invalid read	Bus mode error
14	BSA::BSASSB_#06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter (A) parity error
15	BSA::BSASSB_#07 (CHK2C information)							
	DBF address counter (B) parity error	Transfer count error	Command/status A inconsistent	Command/status B inconsistent	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
16	BSA::BSASSB_#08 (CHK2C information)							
	RD3 sequence error	RD3 counter/pointer parity error	RD4 sequence error	RD4 counter/pointer parity error	DKA sequence error	DKA counter/pointer parity error	(RSV)	(RSV)
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'42': BSA#0 error (by SCA#2)							
9	BSA::BSASSB_#00 (CHK2A information)							
	CHK error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID parity error	F bus read data error	F bus read P-LRC error	FDB parity error
10	BSA::BSASSB_#01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
11	BSA::BSASSB_#03 (CHK2B information)							
	HDB 1 parity error	HDB 3 parity error	HDB 2 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
12	BSA::BSASSB_#04 (CHK2C information)							
	Side-A access parity error	Side-B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
13	BSA::BSASSB_#05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	ABT count over	DBF access parity error	CHA invalid read	Bus mode error
14	BSA::BSASSB_#06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter (A) parity error
15	BSA::BSASSB_#07 (CHK2C information)							
	DBF address counter (B) parity error	Transfer count error	Command/status A inconsistent	Command/status B inconsistent	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
16	BSA::BSASSB_#08 (CHK2C information)							
	RD3 sequence error	RD3 counter/pointer parity error	RD4 sequence error	RD4 counter/pointer parity error	DKA sequence error	DKA counter/pointer parity error	(RSV)	(RSV)
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'43': BSA#0 error (by SCA#3)							
9	BSA::BSASSB_#00 (CHK2A information)							
	CHK error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID parity error	F bus read data error	F bus read P-LRC error	FDB parity error
10	BSA::BSASSB_#01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
11	BSA::BSASSB_#03 (CHK2B information)							
	HDB 1 parity error	HDB 3 parity error	HDB 2 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
12	BSA::BSASSB_#04 (CHK2C information)							
	Side-A access parity error	Side-B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
13	BSA::BSASSB_#05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	ABT count over	DBF access parity error	CHA invalid read	Bus mode error
14	BSA::BSASSB_#06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter (A) parity error
15	BSA::BSASSB_#07 (CHK2C information)							
	DBF address counter (B) parity error	Transfer count error	Command/status A inconsistent	Command/status B inconsistent	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
16	BSA::BSASSB_#08 (CHK2C information)							
	RD3 sequence error	RD3 counter/pointer parity error	RD4 sequence error	RD4 counter/pointer parity error	DKA sequence error	DKA counter/pointer parity error	(RSV)	(RSV)
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'44': BSA#1 error (by SCA#0)							
9	BSA::BSASSB_#00 (CHK2A information)							
	CHK error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID parity error	F bus read data error	F bus read P-LRC error	FDB parity error
10	BSA::BSASSB_#01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
11	BSA::BSASSB_#03 (CHK2B information)							
	HDB 1 parity error	HDB 3 parity error	HDB 2 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
12	BSA::BSASSB_#04 (CHK2C information)							
	Side-A access parity error	Side-B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
13	BSA::BSASSB_#05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	ABT count over	DBF access parity error	CHA invalid read	Bus mode error
14	BSA::BSASSB_#06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter (A) parity error
15	BSA::BSASSB_#07 (CHK2C information)							
	DBF address counter (B) parity error	Transfer count error	Command/status A inconsistent	Command/status B inconsistent	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
16	BSA::BSASSB_#08 (CHK2C information)							
	RD3 sequence error	RD3 counter/pointer parity error	RD4 sequence error	RD4 counter/pointer parity error	DKA sequence error	DKA counter/pointer parity error	(RSV)	(RSV)
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'45': BSA#1 error (by SCA#1)							
9	BSA::BSASSB_#00 (CHK2A information)							
	CHK error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID parity error	F bus read data error	F bus read P-LRC error	FDB parity error
10	BSA::BSASSB_#01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
11	BSA::BSASSB_#03 (CHK2B information)							
	HDB 1 parity error	HDB 3 parity error	HDB 2 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
12	BSA::BSASSB_#04 (CHK2C information)							
	Side-A access parity error	Side-B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
13	BSA::BSASSB_#05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	ABT count over	DBF access parity error	CHA invalid read	Bus mode error
14	BSA::BSASSB_#06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter (A) parity error
15	BSA::BSASSB_#07 (CHK2C information)							
	DBF address counter (B) parity error	Transfer count error	Command/status A inconsistent	Command/status B inconsistent	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
16	BSA::BSASSB_#08 (CHK2C information)							
	RD3 sequence error	RD3 counter/pointer parity error	RD4 sequence error	RD4 counter/pointer parity error	DKA sequence error	DKA counter/pointer parity error	(RSV)	(RSV)
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'46': BSA#1 error (by SCA#2)							
9	BSA::BSASSB_#00 (CHK2A information)							
	CHK error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID parity error	F bus read data error	F bus read P-LRC error	FDB parity error
10	BSA::BSASSB_#01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
11	BSA::BSASSB_#03 (CHK2B information)							
	HDB 1 parity error	HDB 3 parity error	HDB 2 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
12	BSA::BSASSB_#04 (CHK2C information)							
	Side-A access parity error	Side-B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
13	BSA::BSASSB_#05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	ABT count over	DBF access parity error	CHA invalid read	Bus mode error
14	BSA::BSASSB_#06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter (A) parity error
15	BSA::BSASSB_#07 (CHK2C information)							
	DBF address counter (B) parity error	Transfer count error	Command/status A inconsistent	Command/status B inconsistent	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
16	BSA::BSASSB_#08 (CHK2C information)							
	RD3 sequence error	RD3 counter/pointer parity error	RD4 sequence error	RD4 counter/pointer parity error	DKA sequence error	DKA counter/pointer parity error	(RSV)	(RSV)
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'47': BSA#1 error (by SCA#3)							
9	BSA::BSASSB_#00 (CHK2A information)							
	CHK error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID parity error	F bus read data error	F bus read P-LRC error	FDB parity error
10	BSA::BSASSB_#01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
11	BSA::BSASSB_#03 (CHK2B information)							
	HDB 1 parity error	HDB 3 parity error	HDB 2 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
12	BSA::BSASSB_#04 (CHK2C information)							
	Side-A access parity error	Side-B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
13	BSA::BSASSB_#05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	ABT count over	DBF access parity error	CHA invalid read	Bus code error
14	BSA::BSASSB_#06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter (A) parity error
15	BSA::BSASSB_#07 (CHK2C information)							
	DBF address counter (B) parity error	Transfer count error	Command/ status A inconsistent	Command/ status B inconsistent	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
16	BSA::BSASSB_#08 (CHK2C information)							
	RD3 sequence error	RD3 counter/pointer parity error	RD4 sequence error	RD4 counter/pointer parity error	DKA sequence error	DKA counter/pointer parity error	(RSV)	(RSV)
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'48': BSA#0 & BSA#1 errors (by SCA#0)							
9	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
10	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
11	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
12	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
13	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
14	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
15	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
16	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
17	SCA#0::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write	0001: Normal read	001X: Cache to cache	01XX: Double write/read
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'49': BSA#0 & BSA#1 errors (by SCA#1)							
9	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
10	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
11	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
12	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
13	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
14	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
15	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
16	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
17	SCA#0::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU871 / x'EF':LDEV type=DKU861)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'4A': BSA#0 & BSA#1 errors (by SCA#2)							
9	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
10	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
11	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
12	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
13	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
14	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
15	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
16	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
17	SCA#0::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write	0001: Normal read	001X: Cache to cache	01XX: Double write/read
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'4B': BSA#0 & BSA#1 errors (by SCA#3)							
9	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
10	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
11	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
12	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
13	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
14	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
15	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
16	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
17	SCA#0::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write 0001: Normal read	001X: Cache to cache 01XX: Double write/read 1000: Broadcast write		
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'50': SCA#0 error & drive failure							
9	SCA#0::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
10	SCA#0::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
11	SCA#0::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
12	SCA#0::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCIN0 FLG SET PTR PER	SYNCIN0 FLG RST PTR PER	SYNCIN1 FLG SET PTR PER
13	SCA#0::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA erro
14	SCA#0::SCK24							
	SCA invalid multi-transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA 1/2/3 counter parity error	LBA counter parity error
15	SCA#0::IS (b00-07) (First read)							
16	SCA#0::IS (b00-07) (Second read)							
17	SCA#0::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write 0001: Normal read	001X: Cache to cache 01XX: Double write/read 1000: Broadcast write		
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'60': SCA#1 error & drive failure							
9	SCA#1::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
10	SCA#1::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
11	SCA#1::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
12	SCA#1::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCIN0 FLG SET PTR PER	SYNCIN0 FLG RST PTR PER	SYNCIN1 FLG SET PTR PER
13	SCA#1::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA erro
14	SCA#1::SCK24							
	SCA invalid multi-transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA1/2/3 counter parity error	LBA counter parity error
15	SCA#1::IS (First read)							
16	SCA#1::IS (Second read)							
17	SCA#1::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write	01XX: Double write/read	001X: Cache to cache	
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'70': SCA#2 error & drive failure							
9	SCA#2::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
10	SCA#2::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
11	SCA#2::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
12	SCA#2::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCIN0 FLG SET PTR PER	SYNCIN0 FLG RST PTR PER	SYNCIN1 FLG SET PTR PER
13	SCA#2::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA erro
14	SCA#2::SCK24							
	SCA invalid multi-transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA1/2/3 counter parity error	LBA counter parity error
15	SCA#2::IS (First read)							
16	SCA#2::IS (Second read)							
17	SCA#2::CXM							
	(Not used)	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write	0001: Normal read	001X: Cache to cache	01XX: Double write/read
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'80': SCA#3 error & drive failure							
9	SCA#3::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
10	SCA#3::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
11	SCA#3::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
12	SCA#3::SCK22							
	CPKT counter 0 parity error	CPKT counter 1 parity error	LA parity error	SCB LRC error	SPC LRC error	SYNCIN0 FLG SET PTR PER	SYNCIN0 FLG RST PTR PER	SYNCIN1 FLG SET PTR PER
13	SCA#3::SCK23							
	WT REGB 3 counter parity error	WT REGB 6 counter parity error	RD REGB 6 counter parity error	SPCRD REGB 3 counter parity error	SCB W/R cycle pointer parity error	EXEU counter parity error	LA error	LBA erro
14	SCA#3::SCK24							
	SCA invalid multi-transfer activated	SDL setting failed at LA/LRC GEN	0	0	0	0	LBA1/2/3 counter parity error	LBA counter parity error
15	SCA#3::IS (First read)							
16	SCA#3::IS (Second read)							
17	SCA#3::CXM							
	(Not used)	Bus mode			Transfer mode		001X: Cache to cache	
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write 0001: Normal read		01XX: Double write/read 1000: Broadcast write	
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'94': SCA#0 error & BSA#1 error							
9	SCA#0::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#0::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#0::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
12	SCA#0::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
13	SCA#0::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
14	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'98': SCA#0 & BSA#0 errors							
9	SCA#0::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#0::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#0::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
12	SCA#0::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
13	SCA#0::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
14	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU871 / x'EF':LDEV type=DKU861)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'9C': SCA#0 error & BSA#0 & BSA#1 errors							
9	SCA#0::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#0::BCHK2							
	BSA0 CHK2A/B	BSA0 CHK2C (control error)	BSA0 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#0::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
12	SCA#0::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache	0000: Normal write 01XX: Double write/read		
				0001: Normal read	1000: Broadcast write			
13	SCA#0::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
14	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
15	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	ACHK1 assert
17	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'A4': SCA#1 & BSA#1 errors							
9	SCA#1::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#1::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#1::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
12	SCA#1::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
13	SCA#1::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
14	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'A8': SCA#1 & BSA#0 errors							
9	SCA#1::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#1::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#1::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
12	SCA#1::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
13	SCA#1::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
14	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'AC': SCA#1 error & BSA#0 & BSA#1 errors							
9	SCA#1::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#1::BCHK2							
	BSA0 CHK2A/B	BSA0 CHK2C (control error)	BSA0 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#1::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
12	SCA#1::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache	0000: Normal write	01XX: Double write/read	0001: Normal read
13	SCA#1::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
14	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
15	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	ACHK1 assert
17	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'B4': SCA#2 error & BSA#1 error							
9	SCA#2::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#2::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#2::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
12	SCA#2::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
13	SCA#2::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
14	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'B8': SCA#2 error & BSA#0 error							
9	SCA#2::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#2::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#2::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
12	SCA#2::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
13	SCA#2::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
14	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'BC': SCA#2 error & BSA#0 & BSA#1 errors							
9	SCA#2::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#2::BCHK2							
	BSA0 CHK2A/B	BSA0 CHK2C (control error)	BSA0 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#2::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
12	SCA#2::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	0000: Normal write	001X: Cache to cache	01XX: Double write/read	1000: Broadcast write
13	SCA#2::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
14	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
15	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	ACHK1 assert
17	BSA::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'C4': SCA#3 error & BSA#1 error							
9	SCA#3::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#3::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#3::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
12	SCA#3::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
13	SCA#3::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
14	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU871 / x'EF':LDEV type=DKU861)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'C8: SCA#3 error & BSA#0 error							
9	SCA#3::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#3::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#3::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
12	SCA#3::SCK20							
	AIN data parity error 0	AIN data parity error 1	AIN data parity error 2	AIN data parity error 3	BIN data parity error 0	BIN data parity error 1	BIN data parity error 2	BIN data parity error 3
13	SCA#3::SCK20							
	SCB write data parity error 0	SCB write data parity error 1	SCB write data parity error 2	SCB write data parity error 3	BSA write data parity error 0	BSA write data parity error 1	BSA write data parity error 2	BSA write data parity error 3
14	BSA::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	LI counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'CC': SCA#3 error & BSA#0 & BSA#1 errors							
9	SCA#3::SCHK2							
	BSA data bus parity error	SPC data bus parity error	SCA data bus parity error	LA/LRC error	SCA hardware error	SBUS I/F error	Micro access error	Not used
10	SCA#3::BCHK2							
	BSA0 CHK2A/B	BSA0 CHK2C (control error)	BSA0 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
11	SCA#3::BCHK2							
	BSA1 CHK2A/B	BSA1 CHK2C (control error)	BSA1 CHK2D (arbiter error)	Not used	Not used	Not used	Not used	Not used
12	SCA#3::CXM							
	Not used	Bus mode			Transfer mode			
		Bus width 0:8, 1:4B	BSA0 enable	BSA1 enable	001X: Cache to cache 0000: Normal write 01XX: Double write/read 0001: Normal read 1000: Broadcast write			
13	SCA#3::SCK21							
	BUS GRT ID PER ST	CMD ID PER 0 ST	CMD ID PER 1 ST	DCNT 0 parity error	DCNT 1 parity error	SPC write data parity error 0	SPC write data parity error 1	PKT DCNT parity error
14	BSA0::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
15	BSA0::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA1::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
17	BSA1::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message A (disk adapter CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'A')			
8	Subcode: x'FX': SCA#n CHK2 without cause (X=SCA# : 0,1,2,3)							
9	SCA#n::SCAINT							
	Data transfer end in SCA	SPC interrupt	SCA CHK2	BSA0 CHK2	BSA1 CHK2	Not used	Not used	Not used
10	SCA#n::XFC							
	DMA transfer force end bits							Not used
	Mode1 SPC-CACHE	Mode2 CACHE-SPC	Mode3 SCB-CACHE	Mode4 CACHE-SCB	Mode5 SPC-SCB	Mode6 SCB-SPC	Mode7 CACHE-CACHE	
11	SCA#n::XFC							
	DMA transfer initiated bits							Not used
	Mode1 SPC-CACHE	Mode2 CACHE-SPC	Mode3 SCB-CACHE	Mode4 CACHE-SCB	Mode5 SPC-SCB	Mode6 SCB-SPC	Mode7 CACHE-CACHE	
12	SCA#n::XFS0							
	DMA transfer executing bits							SBUS busy
	Mode1 SPC-CACHE	Mode2 CACHE-SPC	Mode3 SCB-CACHE	Mode4 CACHE-SCB	Mode5 SPC-SCB	Mode6 SCB-SPC	Mode7 CACHE-CACHE	
13	SCA#n::XFS1							
	DMA transfer normal end bits							Not used.
	Mode1 SPC-CACHE	Mode2 CACHE-SPC	Mode3 SCB-CACHE	Mode4 CACHE-SCB	Mode5 SPC-SCB	Mode6 SCB-SPC	Mode7 CACHE-CACHE	
14	SCA#n::XFS1							
	DMA transfer abnormal end bits							Pseud error
	Mode1 SPC-CACHE	Mode2 CACHE-SPC	Mode3 SCB-CACHE	Mode4 CACHE-SCB	Mode5 SPC-SCB	Mode6 SCB-SPC	Mode7 CACHE-CACHE	
15	Cache package number (master)				Cache package number (slave)			
16	Cache module group number (master)				Cache module group number (slave)			
17	SCA#n::CXM							
	Not used	Bus mode			Transfer mode			
		Bus mode 0:8 , 1:4B	BSA0 ENABLE	BSA1 ENABLE	000: Normal write 001: Normal read		001x: Cache to cache 01xx: Double write/read 1000: Broadcast write	
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8A')							

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'10': DRR data error							
9	DRR ::STATS							
	XFR END A	(RSV)	CMD A execution wait/being executed	CMD A data being transferred	XFR END B	(RSV)	CMD B execution wait/being executed	CMD B data being transferred
10	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0/ CHK1B	Transfer forcibly terminated	Pseudo-failure occurred
11	DRR ::ESTA3							
	Data buffer (TRI) parity error	Data buffer (DMO) parity error	Data buffer (DNO) parity error	Data buffer (DMI) parity error	Data buffer (DNI) parity error	ECC generation multiplier 0 parity error	ECC generation multiplier 1 parity error	ECC generation adder 0 parity error
12	DRR ::ESTA3							
	ECC generation adder 1 parity error	ECC generation adder 2 parity error	ECC generation adder 3 parity error	Syndrome (ECC) error	Write data parity error	LRC error	LRC check multiplier parity error	LRC check adder parity error
13	DRR ::ESTA4							
	(RSV)	BSA input data parity error	BSA output data parity error	Offset address adder parity error	Statistics counter parity error	BSA0 CHK2A error	BSA1 CHK2A error	(RSV)
14	DRR ::CMD0A							
	Slave 1 transfer command (REG A)							
15	DRR ::TMRDA							
	Verify ON	(RSV)	(RSV)	Double write process information	Command *			
16	DRR ::CMD0B							
	Slave 1 transfer command (REG B)							
17	DRR ::TMRDB							
	Verify ON	(RSV)	(RSV)	Double write process information	Command *			
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8B')							

- * 0010: Dm read transfer (without intermediate result)
 0011: Dm read transfer (with intermediate result)
 0100: Dn read transfer (without intermediate result)
 0101: Dn read transfer (with intermediate result)
 0110: Dm and Dn read transfer (without intermediate result)
 0111: Dm and Dn read transfer (with intermediate result)
 1000: Read transfer (without old Dm)
 1001: Read transfer (with old Dn)
 1010: Syndrome (without intermediate result)
 1011: Syndrome (with intermediate result)
 1100: Write transfer Dm
 1101: Write transfer Dn
 1110: Copy between caches

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'11': DRR control error							
9	DRR ::STATS							
	XFR END A	(RSV)	CMD A execution wait/being executed	CMD A data being transferred	XFR END B	(RSV)	CMD B execution wait/being executed	CMD B data being transferred
10	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0 / CHK1B	Transfer forcibly terminated	Pseudo-failure occurred
11	DRR ::ESTA1							
	Sequencer error (DRR→BUFF)	Sequencer error (BUFF→DRR)	Sequencer error (internal BUFF DT transfer)	Sequencer error (BUFF area management)	Sequencer error (double-side command)	Sequencer error (multi-packet transfer)	Sequencer error (internal BSA RD transfer)	Sequencer error (internal BSA RD transfer)
12	DRR ::ESTA1							
	(RSV)	Transfer command setting error	Total data count parity error	Packet data count parity error	RD packet counter parity error	WT packet counter parity error	BUFF write address counter parity error	BUFF read address counter parity error
13	DRR ::ESTA2							
	RD/WT PTR & SYNC counter parity error	SYNC IN pointer parity error	DIF counter parity error	SBL counter parity error	PL counter parity error	MODE output parity error	Command ID and BUS grant ID parity error	Offset address parity error
14	DRR ::ESTA2							
	Offset address overflow	LRC data counter parity error	Side-A command parameter error	Side-B command parameter error	BSA0 CHK2C error	BSA0 CHK2D error	BSA1 CHK2C error	BSA1 CHK2D error
15	DRR ::CMD0A							
	Slave 1 transfer command (REG A)							
16	DRR ::TMRDA							
	Verify ON	(RSV)	(RSV)	Double write process information	Command *			
17	DRR ::TMRDB							
	Verify ON	(RSV)	(RSV)	Double write process information	Command *			
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8B')							

- * 0010: Dm read transfer (without intermediate result)
 0011: Dm read transfer (with intermediate result)
 0100: Dn read transfer (without intermediate result)
 0101: Dn read transfer (with intermediate result)
 0110: Dm and Dn read transfer (without intermediate result)
 0111: Dm and Dn read transfer (with intermediate result)
 1000: Read transfer (without old Dm)
 1001: Read transfer (with old Dm)
 1010: Syndrome (without intermediate result)
 1011: Syndrome (with intermediate result)
 1100: Write transfer Dm
 1100: Write transfer Dn
 1100: Copy between caches

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'12': DRR data & control errors							
9	DRR ::STATS							
	XFR END A	(RSV)	CMD A execution wait/being executed	CMD A data being transferred	XFR END B	(RSV)	CMD B execution wait/being executed	CMD B data being transferred
10	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0 / CHK1B	Transfer forcibly terminated	Pseudo-failure occurred
11	DRR ::ESTA1							
	Sequencer error (DRR→BUFF)	Sequencer error (BUFF→DRR)	Sequencer error (internal BUFF DT transfer)	Sequencer error (BUFF area management)	Sequencer error (double-side command)	Sequencer error (multi-packet transfer)	Sequencer error (internal BSA RD transfer)	Sequencer error (internal BSA RD transfer)
12	DRR ::ESTA1							
	(RSV)	Transfer command setting error	Total data count parity error	Packet data count parity error	RD packet counter parity error	WT packet counter parity error	BUFF write address counter parity error	BUFF read address counter parity error
13	DRR ::ESTA2							
	RD/WT PTR & SYNC counter parity error	SYNC IN pointer parity error	DIF counter parity error	SBL counter parity error	PL counter parity error	MODE output parity error	Command ID and BUS grant ID parity error	Offset address parity error
14	DRR ::ESTA2							
	Offset address overflow	LRC data counter parity error	Side-A command parameter error	Side-B command parameter error	BSA0 CHK2C error	BSA0 CHK2D error	BSA1 CHK2C error	BSA1 CHK2D error
15	DRR ::ESTA3							
	Data buffer (TRI) parity error	Data buffer (DMO) parity error	Data buffer (DNO) parity error	Data buffer (DMI) parity error	Data buffer (DNI) parity error	ECC generation multiplier 0 parity error	ECC generation multiplier 1 parity error	ECC generation adder 0 parity error
16	DRR ::ESTA3							
	ECC generation adder 1 parity error	ECC generation adder 2 parity error	ECC generation adder 3 parity error	Syndrome (ECC) error	Write data parity error	LRC error	LRC check multiplier parity error	LRC check adder parity error
17	DRR ::ESTA4							
	(RSV)	BSA input data parity error	BSA output data parity error	Offset address adder parity error	Statistics counter parity error	BSA0 CHK2A error	BSA1 CHK2A error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8B')							

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'13': DRR error without cause							
9	DRR ::STATS							
	XFR END A	(RSV)	CMD A execution wait/being executed	CMD A data being transferred	XFR END B	(RSV)	CMD B execution wait/being executed	CMD B data being transferred
10	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0 / CHK1B	Transfer forcibly terminated	Pseudo-failure occurred
11	DRR ::MODE2							
	CUDG mode data switching signal	System clock mask signal	Pseudo-failure setting signal	BSA micro access request signal	Sub-block LRC check function masking	DRB access mode setting	Write register selection in DRB access mode	Number of data in sub-block allowed to be changed
12	DRR ::ESTA1							
	(RSV)	Transfer command setting error	Total data count parity error	Packet data count parity error	RD packet counter parity error	WT packet counter parity error	BUFF write address counter parity error	BUFF read address counter parity error
13	DRR ::ESTA2							
	RD/WT PTR & SYNC counter parity error	SYNC IN pointer parity error	DIF counter parity error	SBL counter parity error	PL counter parity error	MODE output parity error	Command ID and BUS grant ID parity error	Offset address parity error
14	DRR ::ESTA2							
	Offset address overflow	LRC data counter parity error	Side-A command parameter error	Side-B command parameter error	BSA0 CHK2C error	BSA0 CHK2D error	BSA1 CHK2C error	BSA1 CHK2D error
15	DRR ::ESTA3							
	Data buffer (TRI) parity error	Data buffer (DMO) parity error	Data buffer (DNO) parity error	Data buffer (DMI) parity error	Data buffer (DNI) parity error	ECC generation multiplier 0 parity error	ECC generation multiplier 1 parity error	ECC generation adder 0 parity error
16	DRR ::ESTA3							
	ECC generation adder 1 parity error	ECC generation adder 2 parity error	ECC generation adder 3 parity error	Syndrome (ECC) error	Write data parity error	LRC error	LRC check multiplier parity error	LRC check adder parity error
17	DRR ::ESTA4							
	(RSV)	BSA input data parity error	BSA output data parity error	Offset address adder parity error	Statistics counter parity error	BSA0 CHK2A error	BSA1 CHK2A error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU871 / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8B')							

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'20': BSA0 error							
9	BSA ::BSASSB_#00 (CHK2A information)							
	CHK error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID parity error	F bus read data error	F bus read P-LRC error	FDB parity error
10	BSA ::BSASSB_#01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
11	BSA ::BSASSB_#03 (CHK2B information)							
	HDB 1 parity error	HDB 2 parity error	HDB 3 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
12	BSA ::BSASSB_#04 (CHK2C information)							
	Side-A access parity error	Side-B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
13	BSA ::BSASSB_#05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	ABT count over	DBF access parity error	CHA invalid read	Bus mode error
14	BSA ::BSASSB_#06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter (A) parity error
15	BSA ::BSASSB_#07 (CHK2C information)							
	DBF address counter (B) parity error	Transfer count over	Command/status A inconsistent	Command/status B inconsistent	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
16	BSA ::BSASSB_#08 (CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	L1 counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8B')							

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'21': BSA1 errors							
9	BSA ::BSASSB_#00 (CHK2A information)							
	CHK error	Last cycle error	Slave 1 parity error	Slave 2 parity error	Slave ID parity error	F bus read data error	F bus read P-LRC error	FDB parity error
10	BSA ::BSASSB_#01 (CHK2A information)							
	Slave 1 error	Slave 1 warning	Slave 2 error	Slave 2 warning	(RSV)	(RSV)	(RSV)	(RSV)
11	BSA ::BSASSB_#03 (CHK2B information)							
	HDB 1 parity error	HDB 2 parity error	HDB 3 parity error	HDB 4 parity error	LRC GEN parity error	HDB 1/2 data parity error	HDB 3/4 data parity error	(RSV)
12	BSA ::BSASSB_#04 (CHK2C information)							
	Side-A access parity error	Side-B access parity error	Side-A invalid error	Side-B invalid error	F bus timeout	(RSV)	WCHK1 assert	F bus timer parity error
13	BSA ::BSASSB_#05 (CHK2C information)							
	(RSV)	Request sequencer parity error	Request counter/pointer parity error	MYGRANT parity error	ABT count over	DBF access parity error	CHA invalid read	Bus mode error
14	BSA ::BSASSB_#06 (CHK2C information)							
	WRS counter/pointer parity error	WR1 sequence error	WR1 counter/pointer parity error	WR2 sequence error	WR2 counter/pointer parity error	WR3 sequence error	WR3 counter/pointer parity error	DBF address counter (A) parity error
15	BSA ::BSASSB_#07 (CHK2C information)							
	DBF address counter (B) parity error	Transfer count over	Command/status A inconsistent	Command/status B inconsistent	RD1 sequence error	RD1 counter/pointer parity error	RD2 sequence error	RD2 counter/pointer parity error
16	BSA ::BSASSB_#08 (CHK2D information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	L1 counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8B')							

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
	Format (x'8')				Message (x'B')			
7								
8	Subcode: x'22': BSA0 & BSA1 errors							
9	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
10	BSA ::BSASSB_#09 (CHK2B & CHK2D information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timeout parity error	Request sequence error
11	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
12	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	L1 counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
13	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
14	BSA ::BSASSB_#09 (CHK2B & CHK2D information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timeout parity error	Request sequence error
15	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
16	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	L1 counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
17	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0 / CHK1B	Transfer forcibly terminated	Pseudo-failure occurred
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8B')							

Format 8, Message B (DRR.CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'34': DRR data error & BSA0 error							
9	DRR ::STATS							
	XFR END A	(RSV)	CMD A execution wait/being executed	CMD A data being transferred	XFR END B	(RSV)	CMD B execution wait/being executed	CMD B data being transferred
10	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0 / CHK1B	Transfer forcibly terminated	Pseudo-failure occurred
11	DRR ::ESTA3							
	ECC generation adder 1 parity error	ECC generation adder 2 parity error	ECC generation adder 3 parity error	Syndrome (ECC) error	Write data parity error	LRC error	LRC check multiplier parity error	LRC check adder parity error
12	DRR ::ESTA4							
	(RSV)	BSA input data parity error	BSA output data parity error	Offset address adder parity error	Statistics counter parity error	BSA0 CHK2A error	BSA1 CHK2A error	(RSV)
13	BSA ::ERR							
	Typical bit of CHK1B error	Typical bit of CHK2A error	Typical bit of CHK2B error	Typical bit of CHK2C error	Typical bit of CHK2D error			
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2D information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	L1 counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8B')							

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'35': DRR control error & BSA0 error							
9	DRR ::STATS							
	XFR END A	(RSV)	CMD A execution wait/being executed	CMD A data being transferred	XFR END B	(RSV)	CMD B execution wait/being executed	CMD B data being transferred
10	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0 / CHK1B	Transfer forcibly terminated	Pseudo-failure occurred
11	DRR ::ESTA2							
	RD/WT PTR & SYNC counter parity error	SYNC IN pointer parity error	DIF counter parity error	SBL counter parity error	PL counter parity error	MODE output parity error	Command ID and BUS grant ID parity error	Offset address parity error
12	DRR ::ESTA2							
	Offset address overflow	LRC data counter parity error	Side-A command parameter error	Side-B command parameter error	BSA0 CHK2C error	BSA0 CHK2D error	BSA1 CHK2C error	BSA1 CHK2D error
13	BSA0::ERR							
	Typical bit of CHK1B error	Typical bit of CHK2A error	Typical bit of CHK2B error	Typical bit of CHK2C error	Typical bit of CHK2D error			
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	L1 counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU871 / x'EF':LDEV type=DKU861)							
23	Symptom code (low order) (x'8B')							

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'38': DRR data error & BSA1 error							
9	DRR ::STATS							
	XFR END A	(RSV)	CMD A execution wait/being executed	CMD A data being transferred	XFR END B	(RSV)	CMD B execution wait/being executed	CMD B data being transferred
10	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0 / CHK1B	Transfer forcibly terminated	Pseudo-failure occurred
11	DRR ::ESTA3							
	ECC generation adder 1 parity error	ECC generation adder 2 parity error	ECC generation adder 3 parity error	Syndrome (ECC) error	Write data parity error	LRC error	LRC check multiplier parity error	LRC check adder parity error
12	DRR ::ESTA4							
	(RSV)	10 BSA input data parity error	BSA output data parity error	Offset address adder parity error	Statistics counter parity error	BSA0 CHK2A error	BSA1 CHK2A error	(RSV)
13	BSA0::ERR							
	Typical bit of CHK1B error	Typical bit of CHK2A error	Typical bit of CHK2B error	Typical bit of CHK2C error	Typical bit of CHK2D error			
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	L1 counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8B')							

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'39': DRR control error & BSA1 error							
9	DRR ::STATS							
	XFR END A	(RSV)	CMD A execution wait/being executed	CMD A data being transferred	XFR END B	(RSV)	CMD B execution wait/being executed	CMD B data being transferred
10	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0 / CHK1B	Transfer forcibly terminated	Pseudo-failure occurred
11	DRR ::ESTA2							
	RD/WT PTR & SYNC counter parity error	SYNC IN pointer parity error	DIF counter parity error	SBL counter parity error	PL counter parity error	MODE output parity error	Command ID and BUS grant ID parity error	Offset address parity error
12	DRR ::ESTA2							
	Offset address overflow	LRC data counter parity error	Side-A command parameter error	Side-B command parameter error	BSA0 CHK2C error	BSA0 CHK2D error	BSA1 CHK2C error	BSA1 CHK2D error
13	BSA1::ERR							
	Typical bit of CHK1B error	Typical bit of CHK2A error	Typical bit of CHK2B error	Typical bit of CHK2C error	Typical bit of CHK2D error			
14	BSA ::BSASSB_#02 (CHK2A information)							
	CHK error	Last cycle error	Error phase parity error	Slave ID error	F bus read data error	FDB parity error	Slave 1 error	Slave 2 error
15	BSA ::BSASSB_#09 (CHK2B & CHK2C information)							
	HDB parity error	LRC GEN parity error	Access parity error	Invalid command	F bus timeout	WCHK1 assert	F bus timer parity error	Request sequence error
16	BSA ::BSASSB_#10 (CHK2C information)							
	Request error	Control parity error	Transfer count over	DBF address counter parity error	WRS/WR1 parity error	WR2/WR3 parity error	RD1/RD2 parity error	RD3/RD4 parity error
17	BSA ::BSASSB_#11 (CHK2D information)							
	LIVE INS	F bus open	ABT sequencer parity error	L1 counter parity error	ABT timeout	ABT timer parity error	Request protocol error	(RSV)
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU87I / x'EF':LDEV type=DKU86I)							
23	Symptom code (low order) (x'8B')							

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'3C': DRR data error & BSA0 & BSA1 errors							
9	DRR ::STATS							
	XFR END A	(RSV)	CMD A execution wait/being executed	CMD A data being transferred	XFR END B	(RSV)	CMD B execution wait/being executed	CMD B data being transferred
10	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0 / CHK1B	Transfer forcibly terminated	Pseudo-failure occurred
11	DRR ::ESTA3							
	ECC generation adder 1 parity error	ECC generation adder 2 parity error	ECC generation adder 3 parity error	Syndrome (ECC) error	Write data parity error	LRC error	LRC check multiplier parity error	LRC check adder parity error
12	DRR ::ESTA4							
	(RSV)	10 BSA input data parity error	BSA output data parity error	Offset address adder parity error	Statistics counter parity error	BSA0 CHK2A error	BSA1 CHK2A error	(RSV)
13	BSA0::ERR							
	Typical bit of CHK1B error	Typical bit of CHK2A error	Typical bit of CHK2B error	Typical bit of CHK2C error	Typical bit of CHK2D error			
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid/ command sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid/ command sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU871 / x'EF':LDEV type=DKU861)							
23	Symptom code (low order) (x'8B')							

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'3D': DRR control error & BSA0 & BSA1 errors							
9	DRR ::STATS							
	XFR END A	(RSV)	CMD A execution wait/being executed	CMD A data being transferred	XFR END B	(RSV)	CMD B execution wait/being executed	CMD B data being transferred
10	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0 / CHK1B	Transfer forcibly terminated	Pseudo-failure occurred
11	DRR ::ESTA2							
	RD/WT PTR & SYNC counter parity error	SYNC IN pointer parity error	DIF counter parity error	SBL counter parity error	PL counter parity error	MODE output parity error	Command ID and BUS grant ID parity error	Offset address parity error
12	DRR ::ESTA2							
	Offset address overflow	LRC data counter parity error	Side-A command parameter error	Side-B command parameter error	BSA0 CHK2C error	BSA0 CHK2D error	BSA1 CHK2C error	BSA1 CHK2D error
13	BSA0::ERR							
	Typical bit of CHK1B error	Typical bit of CHK2A error	Typical bit of CHK2B error	Typical bit of CHK2C error	Typical bit of CHK2D error			
14	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
15	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
16	BSA ::BSASSB_#12 (CHK2 information)							
	CHK error	FDB parity error	F bus error	Slave error	CHK2B	Invalid command/sequence	F bus timeout	WCHK1 assert
17	BSA ::BSASSB_#13 (CHK2 information)							
	BSA data parity error	BSA counter parity error	Request error	Sequencer parity error	LIVE INS	F bus open	ABT error	ABT timeout
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU871 / x'EF':LDEV type=DKU861)							
23	Symptom code (low order) (x'8B')							

Format 8, Message B (DRR CHK-2)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'B')			
8	Subcode: x'F4': CHK2 without hardware cause							
9	DRR ::STATS							
	Transfer end A	(RSV)	CMD A execute	CMD A data transfer	Transfer end B	(RSV)	CMD B execute	CMD B data transfer
10	DRR ::STATS							
	CHK2 typical error	DRR data transfer CHK2	DRR control CHK2	BSA0 CHK2 (A/C/D)	BSA1 CHK2 (A/C/D)	0 / CHK1B	Transfer force end	Pseudo-failure occurred
11	Cache module group number (master)				Cache module group number (slave)			
12	DRR ::TMRDA							
	Verify on	(RSV)	(RSV)	Double write information	Command *			
13	DRR::TMRDB							
	Verify on	(RSV)	(RSV)	Double write information	Command *			
14	DRR ::ADR0A							
	Transfer address (high order)							
15	DRR ::ADR0A							
	Transfer address (low order)							
16	DRR ::ADR0B							
	Transfer address (high order)							
17	DRR ::ADR0B							
	Transfer address (low order)							
18	Module ID							
19	Routine ID							
20	Processor No.				Message code (don't care)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF':LDEV type=DKU871 / x'EF':LDEV type=DKU861)							
23	Symptom code (low order) (x'8B')							

- * 0010: Dm read transfer (without intermediate result)
 0011: Dm read transfer (with intermediate result)
 0100: Dn read transfer (without intermediate result)
 0101: Dn read transfer (with intermediate result)
 0110: Dm and Dn read transfer (without intermediate result)
 0111: Dm and Dn read transfer (without intermediate result)
 1000: Read transfer (without old Dm)
 1001: Read transfer (with old Dn)
 1010: Syndrome (without intermediate result)
 1011: Syndrome (with intermediate result)
 1100: Write transfer Dm
 1100: Write transfer Dn
 1100: Copy between caches

Blank sheet

REV.3	Mar.1995	Apr.1995	Apr.1995	Jun.1995		
-------	----------	----------	----------	----------	--	--

Format 8, Message D (Power failure)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'D')			
8	Subcode: x'01': CHA detected cluster 1 down. x'02': CHA detected cluster 2 down. x'0F': CHA detected cluster 1 or 2 down.*							
9	MIC::RCVINT							
	SYS RST interrupt	SEL RST interrupt	CHK1A interrupt	CHK1B interrupt	SMP interrupt	LAN/SIO interrupt	CHA/DRR interrupt	ADP/SCAO interrupt
10	MIC::RCVINT							
	(Not used)	CHK3 interrupt	(Not used)	SCA1 interrupt	SCA2 interrupt	SCA3 interrupt	SCA4 interrupt	SCA5 interrupt
11	MIC::PSOFFOK							
	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	Power off requested	Reset LANC INT pending	Allow power off
12	MIC::CHK3STS							
	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	MIC ABT CHK3	SMP LSI CHK3
13	SMP::MSTERR							
	Requester error (M bus)	Shared memory reduction error	Bus mode setting error	Address byte 0 parity error	Address byte 1 parity error	Address byte 2 parity error	1st read data bus code error	2nd read data bus code error
14	SMP::MSTERR							
	Read data compare error	1st error phase bus code error	2nd error phase bus code error	Error phase warning	Error phase any error	F bus check error	M bus check error	Master timeout error
15	SMP::MSTERR							
	Master timer parity error	F bus ABT error	Address byte 3 parity error	SMP data parity error	Last data check error	F bus open detected	M bus open detected	(Not used)
16	RCHA::XFS0							
	CHA transfer end	BSA0 requests retry	BSA1 requests retry	Packet flow counter register status	CHK2	EADP CHK2	CHA CHK2	BSA0 CHK2
17	RCHA::XFS0							
	BSA1 CHK2	Trancation	Halt I/O	Search result DASD=CPU	Search result DASD>CPU	Search result DASD<CPU	MP requests BSA 0,1 retry	MP or CHA aborts BSA 0,1
18	Analysis execution flag x'00FF': executed x'FF00': not execute							
19								
20	Processor No.							
21	SSID of self subsystem (low order)							
22	Symptom code (x'FF8D' : LDEV type = DKU87I/x'EF8D' : LDEV type = DKU86I)							
23								

* If cluster # is necessary, refer to the SSB reported from other MPs.

Format 8. Message D (Power failure)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'D')			
8	Subcode: x'11': DKA detected cluster 1 down. x'12': DKA detected cluster 2 down. x'1F': DKA detected cluster 1 or 2 down.*							
9	MIC::RCVINT							
	SYS RST interrupt	SEL RST interrupt	CHK1A interrupt	CHK1B interrupt	SMP interrupt	LAN/SIO interrupt	CHA/DRR interrupt	ADP/SCA0 interrupt
10	MIC::RCVINT							
	(Not used)	CHK3 interrupt	(Not used)	SCA1 interrupt	SCA2 interrupt	SCA3 interrupt	SCA4 interrupt	SCA5 interrupt
11	MIC::PSOFFOK							
	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	Power off requested	Reset LANC INT pending	Allow power off
12	MIC::CHK3STS							
	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	MIC ABT CHK3	SMP LSI CHK3
13	SMP::MSTERR							
	Requester error (M bus)	Shared memory reduction error	Bus mode setting error	Address byte 0 parity error	Address byte 1 parity error	Address byte 2 parity error	1st read data bus code error	2nd read data bus code error
14	SMP::MSTERR							
	Read data compare error	1st error phase bus code error	2nd error phase bus code error	Error phase warning	Error phase any error	F bus check error	M bus check error	Master timeout error
15	SMP::MSTERR							
	Master timer parity error	F bus ABT error	Address byte 3 parity error	SMP data parity error	Last data check error	F bus open detected	M bus open detected	(Not used)
16	BSA0::MONITOR0							
	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	Option flag 0	Option flag 1
17	BSA1::MONITOR1							
	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	Option flag 0	Option flag 1
18	Analysis execution flag x'00FF': executed x'FF00': not execute							
19								
20	Processor No.							
21	SSID of self subsystem (low order)							
22	Symptom code (x'FF8D' : LDEV type = DKU87I/x'EF8D' : LDEV type = DKU86I)							
23								

* If cluster # is necessary, refer to the SSB reported from other MPs.

Format 8, Message D (Power failure)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'D')			
8	Subcode: x'80': DKU/HDU Power Failure							
9	Failure detected PDEV							
	SPC Pass# (0 ~ 3)				SCSI id# (0 ~ x'F')			
10	PDEV Power Status (SPC Pass#0, basic DKU box)							
	PDEV (id# x'F')	PDEV (id# x'E')	PDEV (id# x'D')	PDEV (id# x'C')	PDEV (id# x'B')	PDEV (id# x'A')	PDEV (id# x'9')	PDEV (id# x'8')
11	PDEV Power Status (SPC Pass#0, extent DKU box)							
	PDEV (id# x'7')	PDEV (id# x'6')	PDEV (id# x'5')	PDEV (id# x'4')	PDEV (id# x'3')	PDEV (id# x'2')	PDEV (id# x'1')	PDEV (id# x'0')
12	PDEV Power Status (SPC Pass#1, basic DKU box)							
	PDEV (id# x'F')	PDEV (id# x'E')	PDEV (id# x'D')	PDEV (id# x'C')	PDEV (id# x'B')	PDEV (id# x'A')	PDEV (id# x'9')	PDEV (id# x'8')
13	PDEV Power Status (SPC Pass#1, extent DKU box)							
	PDEV (id# x'7')	PDEV (id# x'6')	PDEV (id# x'5')	PDEV (id# x'4')	PDEV (id# x'3')	PDEV (id# x'2')	PDEV (id# x'1')	PDEV (id# x'0')
14	PDEV Power Status (SPC Pass#2, basic DKU box)							
	PDEV (id# x'F')	PDEV (id# x'E')	PDEV (id# x'D')	PDEV (id# x'C')	PDEV (id# x'B')	PDEV (id# x'A')	PDEV (id# x'9')	PDEV (id# x'8')
15	PDEV Power Status (SPC Pass#2, extent DKU box)							
	PDEV (id# x'7')	PDEV (id# x'6')	PDEV (id# x'5')	PDEV (id# x'4')	PDEV (id# x'3')	PDEV (id# x'2')	PDEV (id# x'1')	PDEV (id# x'0')
16	PDEV Power Status (SPC Pass#3, basic DKU box)							
	PDEV (id# x'F')	PDEV (id# x'E')	PDEV (id# x'D')	PDEV (id# x'C')	PDEV (id# x'B')	PDEV (id# x'A')	PDEV (id# x'9')	PDEV (id# x'8')
17	PDEV Power Status (SPC Pass#3, extent DKU box)							
	PDEV (id# x'7')	PDEV (id# x'6')	PDEV (id# x'5')	PDEV (id# x'4')	PDEV (id# x'3')	PDEV (id# x'2')	PDEV (id# x'1')	PDEV (id# x'0')
18	Not used							
19								
20	Processor No.							
21	SSID of self subsystem (low order)							
22	Symptom code (x'FF8D' : LDEV type = DKU87I/x'EF8D' : LDEV type = DKU86I)							
23								

Format 8, Message D (Power failure)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'D')			
8	Subcode: x'90': DKU/HDU Power Failure							
9	Failure HDU (SPC Pass) before restore detected							
	0				Pass#3 Status	Pass#2 Status	Pass#1 Status	Pass#0 Status
10	PDEV Power Status (SPC Pass#0, basic DKU box)							
	PDEV (id# x'F')	PDEV (id# x'E')	PDEV (id# x'D')	PDEV (id# x'C')	PDEV (id# x'B')	PDEV (id# x'A')	PDEV (id# x'9')	PDEV (id# x'8')
11	PDEV Power Status (SPC Pass#0, extent DKU box)							
	PDEV (id# x'7')	PDEV (id# x'6')	PDEV (id# x'5')	PDEV (id# x'4')	PDEV (id# x'3')	PDEV (id# x'2')	PDEV (id# x'1')	PDEV (id# x'0')
12	PDEV Power Status (SPC Pass#1, basic DKU box)							
	PDEV (id# x'F')	PDEV (id# x'E')	PDEV (id# x'D')	PDEV (id# x'C')	PDEV (id# x'B')	PDEV (id# x'A')	PDEV (id# x'9')	PDEV (id# x'8')
13	PDEV Power Status (SPC Pass#1, extent DKU box)							
	PDEV (id# x'7')	PDEV (id# x'6')	PDEV (id# x'5')	PDEV (id# x'4')	PDEV (id# x'3')	PDEV (id# x'2')	PDEV (id# x'1')	PDEV (id# x'0')
14	PDEV Power Status (SPC Pass#2, basic DKU box)							
	PDEV (id# x'F')	PDEV (id# x'E')	PDEV (id# x'D')	PDEV (id# x'C')	PDEV (id# x'B')	PDEV (id# x'A')	PDEV (id# x'9')	PDEV (id# x'8')
15	PDEV Power Status (SPC Pass#2, extent DKU box)							
	PDEV (id# x'7')	PDEV (id# x'6')	PDEV (id# x'5')	PDEV (id# x'4')	PDEV (id# x'3')	PDEV (id# x'2')	PDEV (id# x'1')	PDEV (id# x'0')
16	PDEV Power Status (SPC Pass#3, basic DKU box)							
	PDEV (id# x'F')	PDEV (id# x'E')	PDEV (id# x'D')	PDEV (id# x'C')	PDEV (id# x'B')	PDEV (id# x'A')	PDEV (id# x'9')	PDEV (id# x'8')
17	PDEV Power Status (SPC Pass#3, extent DKU box)							
	PDEV (id# x'7')	PDEV (id# x'6')	PDEV (id# x'5')	PDEV (id# x'4')	PDEV (id# x'3')	PDEV (id# x'2')	PDEV (id# x'1')	PDEV (id# x'0')
18	Not used							
19								
20	Processor No.							
21	SSID of self subsystem (low order)							
22	Symptom code (x'FF8D' : LDEV type = DKU87I/x'EF8D' : LDEV type = DKU86I)							
23								

Format 8, Message E (processor failure: CHK1A/WCHK1)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'E')			
8	Subcode: x'01': Address inconsistent in MP comparison							
9	RCHK::RCMCNTL							
	i960-M byte enable information			(Not used)	i960-M write/read information storage	i960-M burst last information storage	i960-M address strobe information storage	
10	RCHK::RCMADR							
	----- i960 M address ----->							
11	RCHK::RCMADR							
	----- i960 M address ----->							
12	RCHK::RCMADR							
	----- i960 M address ----->							
13	RCHK::RCMADR							
	----- i960 M address ----->					(Not used)	(Not used)	
14	RCHK::RCCHADR							
	----- i960 CH address ----->							
15	RCHK::RCCHADR							
	----- i960 CH address ----->							
16	RCHK::RCCHADR							
	----- i960 CH address ----->							
17	RCHK::RCCHADR							
	----- i960 CH address ----->					(Not used)	(Not used)	
18	Module ID							
19	Routine ID							
20	Failed Processor No.				Message code (x'0')			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'8E')							

Format 8, Message E (processor failure: CHK1A/WCHK1)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'E')			
8	Subcode: x'02': Data inconsistent in MP comparison							
9	RCHK::RCMCNTL							
	i960-M byte enable information				(Not used)	i960-M write/read information storage	i960-M burst last information storage	i960-M address strobe information storage
10	RCHK::RCMADR							
	←----- i960 M address -----→							
11	RCHK::RCMADR							
	←----- i960 M address -----→							
12	RCHK::RCMADR							
	←----- i960 M address -----→							
13	RCHK::RCMADR							
	←----- i960 M address -----→						(Not used)	(Not used)
14	RCHK::RCMDATA							
	←----- i960 M data -----→							
15	RCHK::RCMDATA							
	←----- i960 M data -----→							
16	RCHK::RCMDATA							
	←----- i960 M data -----→							
17	RCHK::RCMDATA							
	←----- i960 M data -----→							
18	Module ID							
19	Routine ID							
20	Failed Processor No.				Message code (x'0i)			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'8E')							

Format 8, Message E (processor failure: CHK1A/WCHK1)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'E')			
8	Subcode: x'03': ADS signal inconsistent in MP comparison							
9	RCHK::RCMCNTL							
	i960-M byte enable information				(Not used)	i960-M write/read information storage	i960-M burst last information storage	i960-M address strobe information storage
10	RCHK::RCCHCNTL							
	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	i960-CH write/read information storage	i960-CH burst last information storage	i960-CH address strobe information storage
11	RCHK::RCLOGCNT							
	i960-M byte enable information				(Not used)	i960-M/CH write/read information storage	i960-M/CH burst last information storage	i960-M/CH ADR strobe information storage
12	RCHK::RCMADR							
	----- i960 M address ----->							
13	RCHK::RCMADR							
	----- i960 M address ----->							
14	RCHK::RCMADR							
	----- i960 M address ----->							
15	RCHK::RCMADR							
	----- i960 M address ----->						(Not used)	(Not used)
16	RCHK::RCSTATUS							
	(Not used)	RISC compare error	Burst enable error	Write/read compare error	Burst last compare error	Address strobe compare error	Data strobe compare error	Address compare error
17	RCHK::SCANER							
	Scanning → Uncorrectable error detected in accessing to LM		(Not used)	Scanning → Out of mounting area in accessing to LM	Scanning → Invalid address in reading from XR	Scanning → Invalid address in writing to XR	(Not used)	(Not used)
	Bank 0	Bank 1						
18	Module ID							
19	Routine ID							
20	Failed Processor No.				Message code (x'0')			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'8E')							

Format 8, Message E (processor failure: CHK1A/WCHK1)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'E')			
8	Subcode: x'04': BLAST signal inconsistent in MP comparison							
9	RCHK::RCMCNTL							
	i960-M byte enable information				(Not used)	i960-M write/read information storage	i960-M burst last information storage	i960-M address strobe information storage
10	RCHK::RCCHCNTL							
	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	i960-CH write/read information storage	i960-CH burst last information storage	i960-CH address strobe information storage
11	RCHK::RCLOGCNT							
	i960-M byte enable information				(Not used)	i960-M/CH write/read information storage	i960-M/CH burst last information storage	i960-M/CH ADR strobe information storage
12	RCHK::RCMADR							
	----- i960 M address -----							
13	RCHK::RCMADR							
	----- i960 M address -----							
14	RCHK::RCMADR							
	----- i960 M address -----							
15	RCHK::RCMADR							
	----- i960 M address -----						(Not used)	(Not used)
16	RCHK::RCSTATUS							
	(Not used)	RISC compare error	Burst enable error	Write/read compare error	Burst last compare error	Address strobe compare error	Data compare error	Address compare error
17	RCHK::RCSTATUS							
	Scanning → Uncorrectable error detected in accessing to LM		(Not used)	Scanning → Out of mounting area in accessing to LM	Scanning → Invalid address in reading from XR	Scanning → Invalid address in writing to XR	(Not used)	(Not used)
	Bank 0	Bank 1						
18	Module ID							
19	Routine ID							
20	Failed Processor No.				Message code (x'0')			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU87I/x'EF' : LDEV type = DKU86I)							
23	Symptom code (low order) (x'8E')							

Format 8, Message E (processor failure: CHK1A/WCHK1)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'E')			
8	Subcode: x'05': WE signal inconsistent in MP comparison							
9	RCHK::RCMCNTL							
	i960-M byte enable information				(Not used)	i960-M write/read information storage	i960-M burst last information storage	i960-M address strobe information storage
10	RCHK::RCCHCNTL							
	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	i960-CH write/read information storage	i960-CH burst last information storage	i960-CH address strobe information storage
11	RCHK::RCLOGCNT							
	i960-M byte enable information				(Not used)	i960-M/CH write/read information storage	i960-M/CH burst last information storage	i960-M/CH ADR strobe information storage
12	RCHK::RCMADR							
	----- i960 M address ----->							
13	RCHK::RCMADR							
	----- i960 M address ----->							
14	RCHK::RCMADR							
	----- i960 M address ----->							
15	RCHK::RCMADR							
	----- i960 M address ----->						(Not used)	(Not used)
16	RCHK::RCSTATUS							
	(Not used)	RISC compare error	Burst enable error	Write/read compare error	Burst last compare error	Address strobe compare error	Data compare error	Address compare error
17	RCHK::RCSTATUS							
	Scanning → Uncorrectable error detected in accessing to LM		(Not used)	Scanning → Out of mounting area in accessing to LM	Scanning → Invalid address in reading from XR	Scanning → Invalid address in writing to XR	(Not used)	(Not used)
	Bank 0	Bank 1						
18	Module ID							
19	Routine ID							
20	Failed Processor No.				Message code (x'0')			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU871/x'EF' : LDEV type = DKU861)							
23	Symptom code (low order) (x'8E')							

Format 8, Message E (processor failure: CHK1A/WCHK1)

	0	1	2	3	4	5	6	7
7	Format (x'8')				Message (x'E')			
8	Subcode: x'06': BE signal inconsistent in MP comparison							
9	RCHK::RCMCNTL							
	i960-M byte enable information				(Not used)	i960-M write/read information storage	i960-M burst last information storage	i960-M address strobe information storage
10	RCHK::RCCHCNTL							
	(Not used)	(Not used)	(Not used)	(Not used)	(Not used)	i960-CH write/read information storage	i960-CH burst last information storage	i960-CH address strobe information storage
11	RCHK::RCLOGCNT							
	i960-M byte enable information				(Not used)	i960-M/CH write/read information storage	i960-M/CH burst last information storage	i960-M/CH ADR strobe information storage
12	RCHK::RCMADR							
	----- i960 M address -----							
13	RCHK::RCMADR							
	----- i960 M address -----							
14	RCHK::RCMADR							
	----- i960 M address -----							
15	RCHK::RCMADR							
	----- i960 M address -----							
16	RCHK::RCSTATUS							
	(Not used)	RISC compare error	Burst enable error	Write/read compare error	Burst last compare error	Address strobe compare error	Data compare error	Address compare error
17	RCHK::SCANER							
	Scanning → Uncorrectable error detected in accessing to LM		(Not used)	Scanning → Out of mounting area in accessing to LM	Scanning → Invalid address in reading from XR	Scanning → Invalid address in writing to XR	(Not used)	(Not used)
	Bank 0	Bank 1						
18	Module ID							
19	Routine ID							
20	Failed Processor No.				Message code (x'0')			
21	SSID (low order)							
22	Symptom code (high order) (x'FF' : LDEV type = DKU871/x'EF' : LDEV type = DKU861)							
23	Symptom code (low order) (x'8E')							