

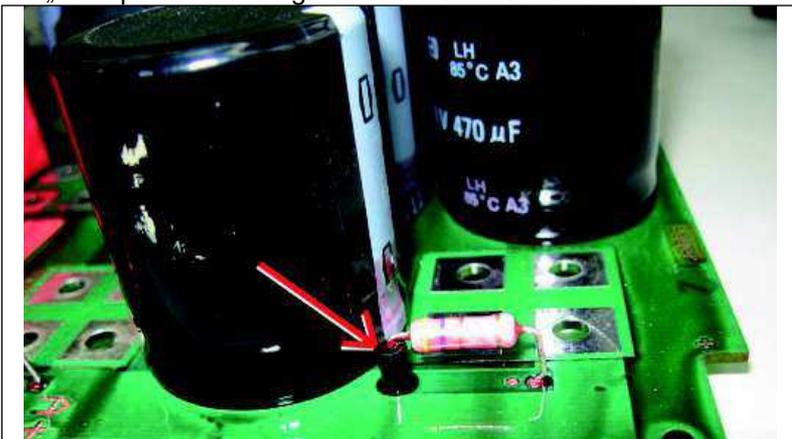
Changeover to new MOSFETs and new pc-board DK-DCCDRV

Over the time there had been some changes at the power units. Important is to make sure, that the different versions are not mixed up (do not combine "old" with "new").

- Since september 2006 the MOSFET (711.2606.0) was replaced by a new type (711.2608.0). In this context the pc-boards DK-DCCDRV/DK-S3DRV were replaced by DCCDR-01 and DCCDR-03.
- Since December 2007 additional diodes had been added to the pc-boards (change from DCCDR0x to DCCDR1x)
- Since April 2008 a new driver circuit was used (change from DCCDR1x to DCCDR2x)

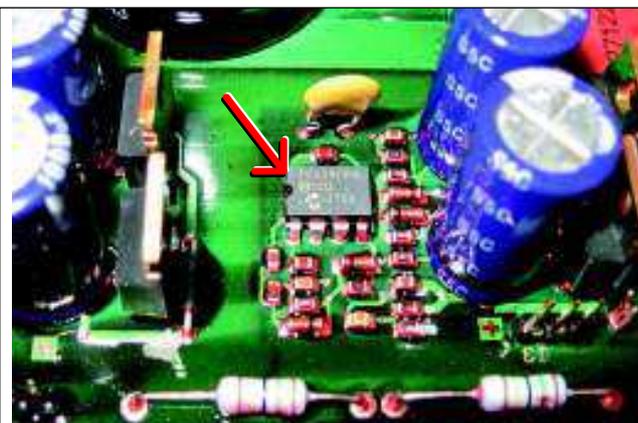
type	part. no.	designation	picture
„old“ MOSFET	711.2606.0	E26NA90	
„new“ MOSFET	711.2608.0	IXFN26N90	

The new pc-boards DCCDR-01 and DCCDR-03 can be easily distinguished from the „old“ pc-board DK-DCCDRV. At the „new“ pc-boards the gate resistors have a small toroidal core:

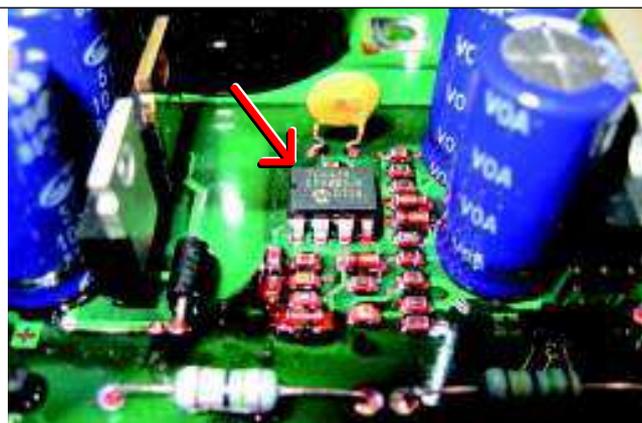


The main difference between the DCCDR0x and DCCDR1x is an additional diode:





old driver ic: JC429CPA



DCCR2x with new driver ic: TC4429

Saprom S3 mobile:

pc-board	part no.	serial no.	date	identification			
				MOSFET	toroidal core	diode	driver ic
DK-S3DRV	650.1274.x			old	no	no	old
DCCR03	650.5256.x	406-1638-001	21.09.2006	new	yes	no	old
DCCR13	650.5366.x	406-1749-001	30.11.2007	new	yes	yes	old
DCCR23	650.5373.x	406-1814-001	02.04.2008	new	yes	yes	new

Saprom S3:

pc-board	part no.	serial no.	date	identification			
				MOSFET	toroidal core	diode	driver ic
DK-S3DRV	650.1274.x			old	no	no	old
DCCR03	650.5256.x	405-1638-001	20.09.2006	new	yes	no	old
DCCR13	650.5366.x	405-1748-004	30.11.2007	new	yes	yes	old
DCCR23	650.5373.x	405-1814-001	02.04.2008	new	yes	yes	new

Saprom S5:

pc-board	part no.	serial no.	date	identification			
				MOSFET	toroidal core	diode	driver ic
DK-DCCDRV	650.5262.x			old	no	no	old
DCCR01	650.5258.x	403-1637-012	20.09.2006	new	yes	no	old
DCCR11	650.5364.x	403-1748-002	30.11.2007	new	yes	yes	old
DCCR21	650.5371.x	403-1811-001	12.03.2008	new	yes	yes	new

Saprom S8:

pc-board	part no.	serial no.	date	identification			
				MOSFET	toroidal core	diode	driver ic
DK-DCCDRV	650.5262.x			old	no	no	old
DCCR01	650.5258.x	404-1637-003	20.09.2006	new	yes	no	old
DCCR11	650.5364.x	404-1748-001	30.11.2007	new	yes	yes	old
DCCR21	650.5371.x	404-1811-001	12.03.2008	new	yes	yes	new

!!! CAUTION !!! : the new MOSFETs are **not** compatible with the old type. The new MOSFETs must only be used with the new pc-boards DCCRxx. The new parts must not be mixed with the old parts, under no circumstances ! Especially at the machines with double power units (Saprom S5 and S8) it must be ensured, that both power units are equipped completely with only one version.

Popis rozlišení PCB DCDRV ATA 350-500 PULS 2 MM017-1					
Vypracoval: Worked out:	DJ 21/1/2010	Přezkoumal: Inspected:	DJ 21/1/2010	Schválil: Approved:	VS 21/1/2010