

# LUKS boot repair

<https://gist.github.com/samuelcolvin/43c5ed2807e7db004b1058d0c9bfb068>

Guides: \* <https://stephentanner.com/restoring-grub-for-an-encrypted-lvm.html> \*  
<https://askubuntu.com/questions/719409/how-to-reinstall-grub-from-a-liveusb-if-the-partition-is-encrypted-and-there-is> \* <https://help.ubuntu.com/community/Grub2/Installing>

```
cryptsetup luksOpen /dev/sdb3 home_sdb3
vgchange -ay
lvscan
mkdir /media/linux
mount /dev/ubuntu-vg/root /media/linux/
mount -o bind /proc /media/linux/proc
mount -o bind /dev /media/linux/dev
mount -o bind /sys /media/linux/sys
```

**\*\*OR\*\***

```
mount -o rbind /proc /media/linux/proc
mount -o rbind /dev /media/linux/dev
mount -o rbind /sys /media/linux/sys
```

```
chroot /media/linux /bin/bash
```

```
> fdisk -l:
```

```
Disk /dev/sdb: 238.5 GiB, 256060514304 bytes, 500118192 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: gpt
Disk identifier: ED00E611-2AA0-40CB-BA69-97B8FAD3303E
```

Device	Start	End	Sectors	Size	Type
/dev/sdb1	2048	1050623	1048576	512M	EFI System
/dev/sdb2	1050624	2050047	999424	488M	Linux filesystem
/dev/sdb3	2050048	500117503	498067456	237.5G	Linux filesystem

```
mount /dev/sdb2 /boot
mount /dev/sdb1 /boot/efi
```

```
grub-install /dev/sdb
**OR** update-grub
```

```
umount /boot/efi
umount /boot
```

leave chroot

```
exit
```

```
umount /media/linux/boot/efi  
umount /media/linux/boot  
umount -l /media/linux  
vgchange -an  
cryptsetup luksClose home_sdb3
```

From:

<http://wuff.dyndns.org/> - **Wulf's Various Things**

Permanent link:

<http://wuff.dyndns.org/doku.php?id=linux:luks-repair-boot>

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