

# GRUB rescue

```
GRUB_DISABLE_OS_PROBER=true
```

## reinstall grub in chroot

```
export TARGET=/mnt
for i in /dev /dev/pts /proc /sys /run /run/lvm; do sudo mount --bind ${i}
/${TARGET}${i}; done
chroot ${TARGET}
grub-install /dev/sdX
update-grub
update-initramfs

for i in /dev /dev/pts /proc /sys /run /run/lvm; do sudo umount
/${TARGET}${i}; done
```

## grub rescue

```
ls
ls (hd0,msdos1)/
ls (hd0,msdos7)/
set root=(hd0,msdos7)
set prefix=(hd0,msdos7)/boot/grub
insmod normal
normal
```

After system startup

```
update-grub
grub-install /dev/sda
```

## Early config

- [https://wiki.archlinux.org/index.php/GRUB/Tips\\_and\\_tricks#Manual\\_configuration\\_of\\_core\\_image\\_for\\_early\\_boot](https://wiki.archlinux.org/index.php/GRUB/Tips_and_tricks#Manual_configuration_of_core_image_for_early_boot)
- [https://www.gnu.org/software/grub/manual/html\\_node/Embedded-configuration.html#Embedded-configuration](https://www.gnu.org/software/grub/manual/html_node/Embedded-configuration.html#Embedded-configuration)

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