



(a)

```
int rtl8139_checkpoint ( ... )
spin_lock_irqsave
    (&tp->lock, flags);

/* save PCI config state */
pci_save_state (pdev);

/* Copy out device state. */
dev->stats.rx_missed_errors +=
    RTL_R32 (RxMissed);
```

```
spin_unlock_irqrestore
    (&tp->lock, flags);
```

(b)

```
int rtl8139_restore (...)
spin_lock_irqsave
    (&tp->lock, flags);
```

```
/* disable device */
netif_device_detach (dev);
```

```
/* restore bus state */
pci_restore_state (pdev);
```

```
/* restart device */
if (!netif_running (dev))
    return 0;
rtl8139_init_ring (dev);
rtl8139_hw_start (dev);
```

```
RTL_W32 (RxMissed, 0);
```

```
/* re-enable device */
netif_device_attach (dev);
spin_unlock_irqrestore
    (&tp->lock, flags);
```

(c)