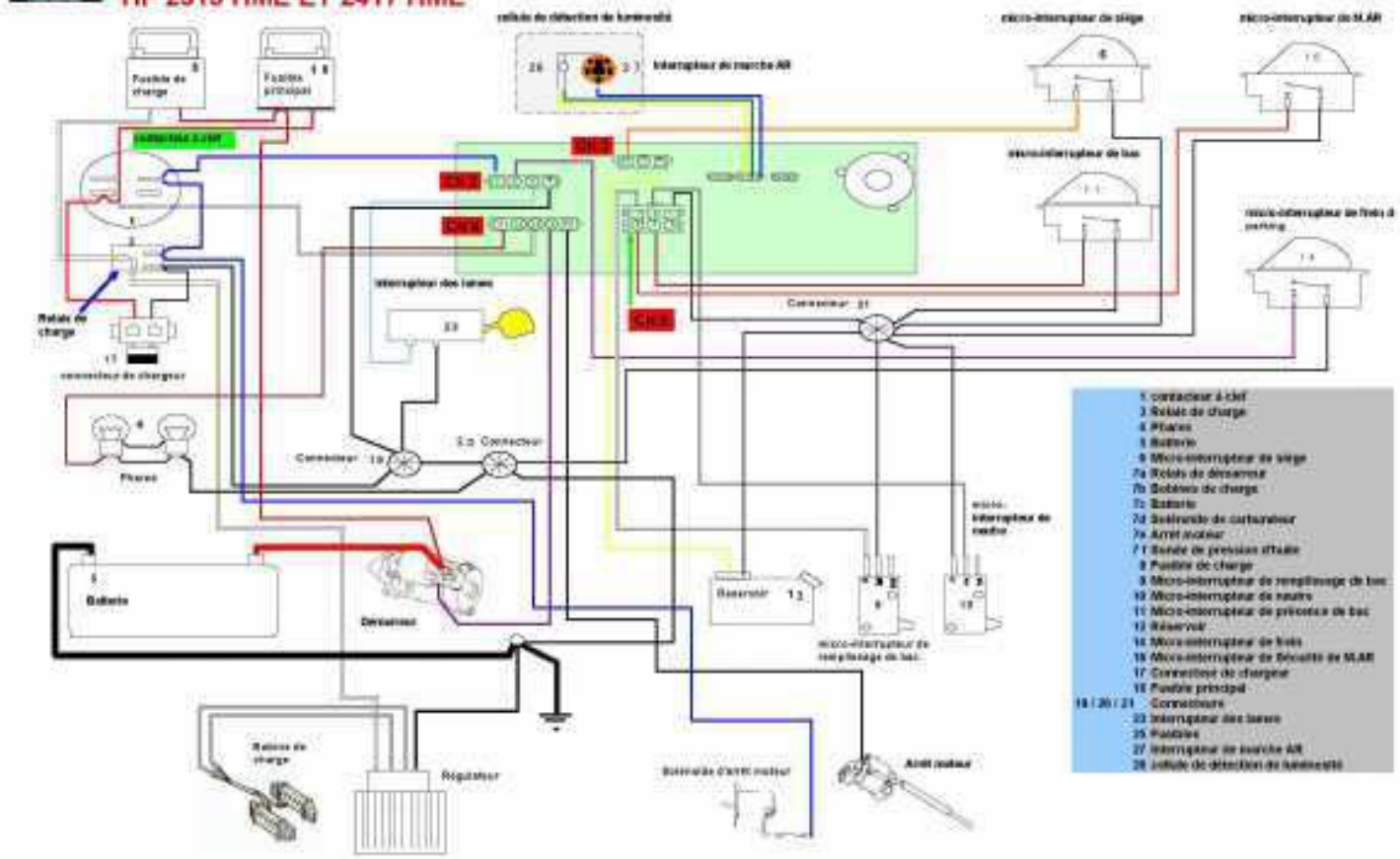HF 2315 HME ET 2417 HME