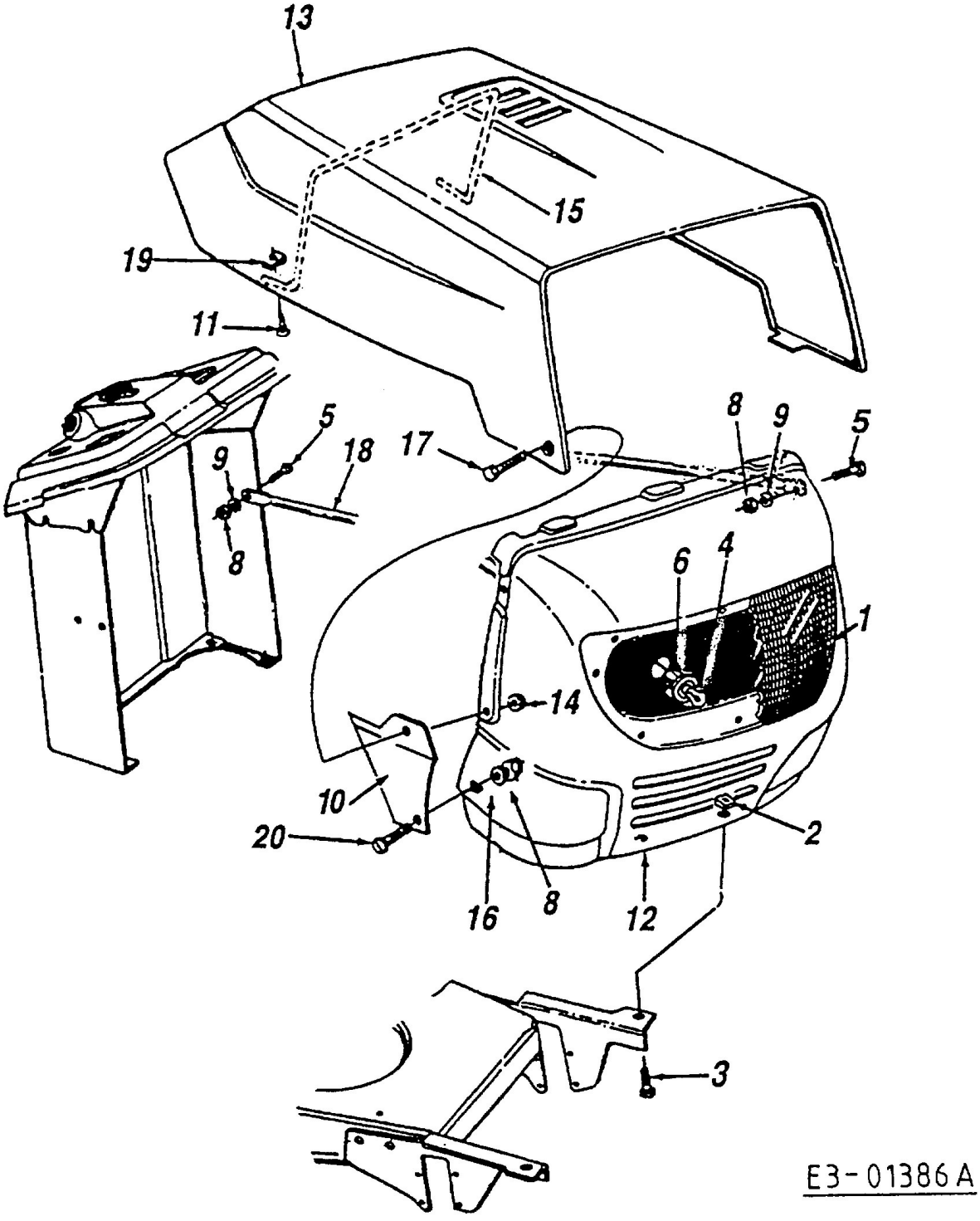Models 452 and 472