Questions, call : 1-800-MOTO-USA

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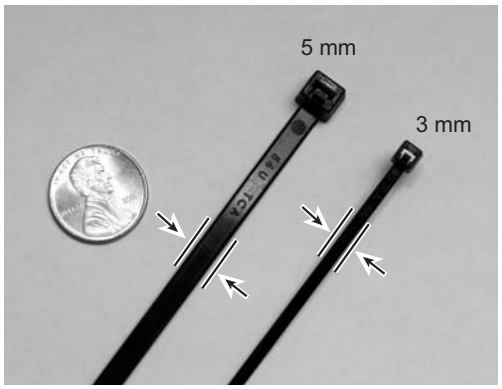
Cannondale Motorsports
Technical Bulletin

BULLETIN : TB02-001

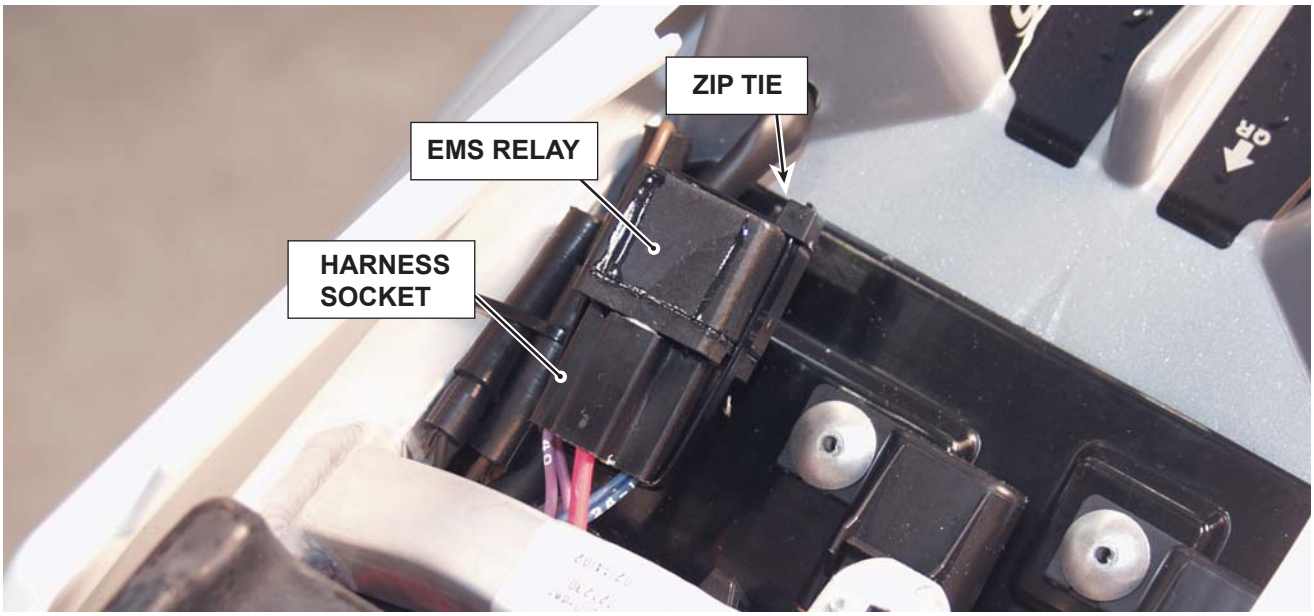
MODELS : 2001 MX400, FX400,
2002 X440s, E440, C440, Cannibal, Speed, Blaze 440, Moto 440

ISSUED : 2/15/02

SUBJECT : Relays, (Engine management system (EMS), Fuel pump (MC500 only))

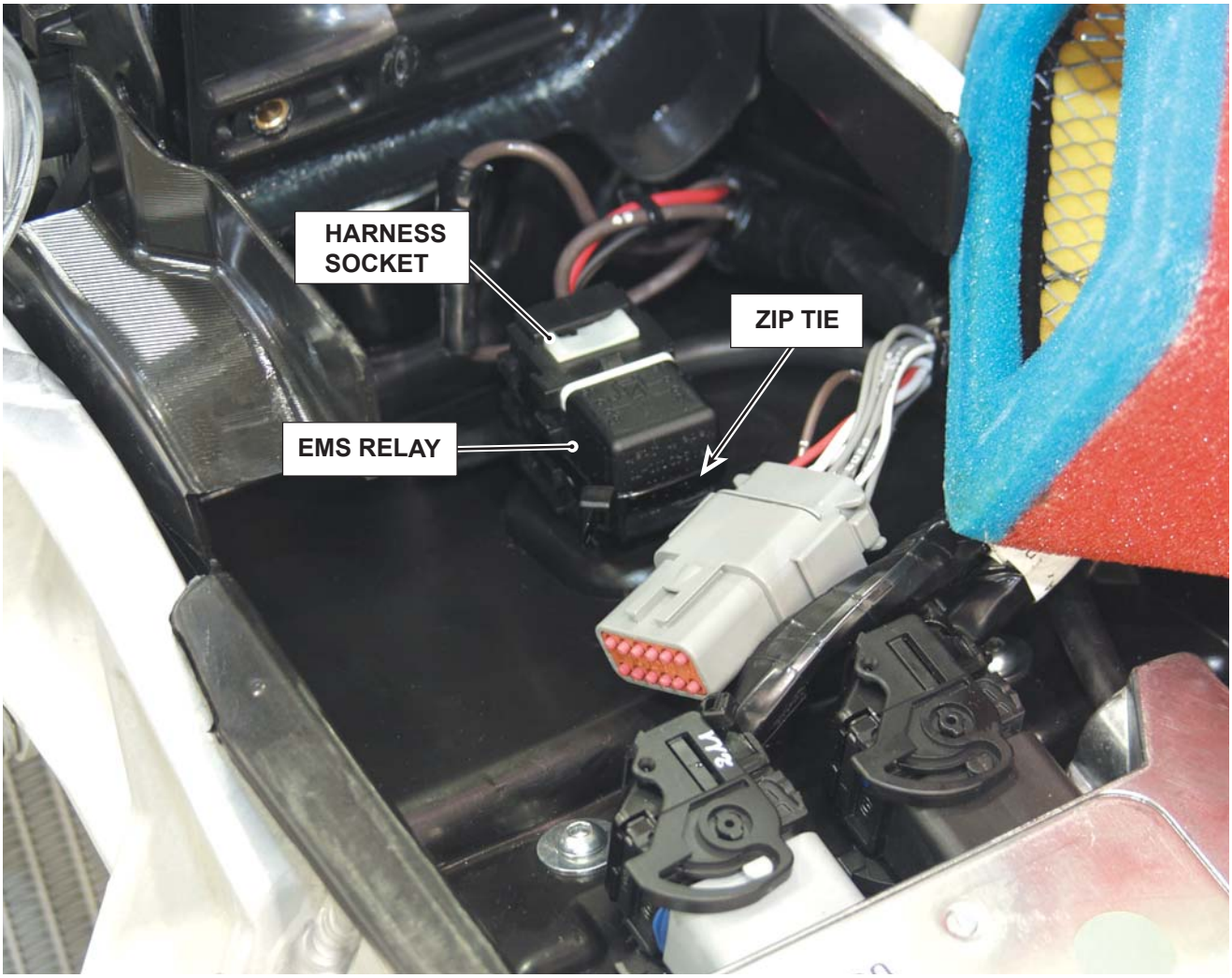


CONDITION : If the cable tie securing the engine management system power relay to its socket on the wiring harness is loose or removed the relay can become dislodged and interupt power to the EFI system shutting down the engine. Motorcycle's and ATVs produced prior to February 14, 2002 can experience this problem if the tie is loose or removed especially under more aggressive riding styles (increased shock and vibration). All units produced prior to this date were installed with a relatively small 3 mm zip tie. To improve the hold under all riding conditions, we recommend replacing the smaller tie with a larger 5 mm tie. Testing has confirmed that the wider strap improves upon the hold of a smaller tie even when properly installed and tensioned.



The EMS relay location on E440 and C440 motorcycles is under the seat (above photo). The EMS relay location on MX400 and X440s motorcycles is located on the relay plate mounted on the small frame spar above the ignition coil.

Information is subject to change without notice.



This photo shows the location of the EMS relay on MC1000 equipped ATVs. The relay is mounted on the electronics located under the front cowl. The air filter was removed from the base plate in the photo above for clarity. The EMS relay of ATVs equipped with the MC500 Engine Management System is also mounted on the electronics tray in the same location. However, it is mounted side-by-side with the fuel pump/radiator fan relay. The relays are identical in appearance. For that reason, consult the vehicle's wiring diagram. Once identified, both relays should be secure similarly.