

GMX-357

Raymond DeGiorgio  
09/21 2001 08:56 AM

To: DAVID R DESROSIER/US/GM/GMC [REDACTED] Arnaud Dessirieux/US/GM/GMC [REDACTED]  
cc: John E. Reinke/US/GM/GMC [REDACTED], Mohamad Abdul-Hak/US/GM/GMC  
Subject: Re: Ignition Switch/Eaton-Delphi (Koyo) [REDACTED]

Hello David,

As you may or may not know Delphi Mechatronics (Switch Supplier) has several issues with this program. Unfortunately, this supplier has had one issue after another and I am sure that Koyo is just as frustrated as I am with them.

I recently found out that during the last Design Validation Testing of BETA level design 10 out of 12 switch failed to meet engineering requirements. I will not go into details on this but, if you wish to meet I be more than happy to show you how these switches are failing. The failure is significant and warrants halting further shipments of switches until new components are redesigned. New switches will be available by mid-October.

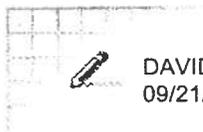
I just returned from visiting Delphi Mechatronics (Monday, Tuesday, Wednesday) and they have promised me modified switches by October 1, 2001. Although new parts will be available on Oct.1st, I must ensure this new design meets engineering requirements. A quick durability test will take approximately another week to complete, at which time Delphi will be ready to ship parts to KOYO. Until such time is not to ship any more parts.

One thing that will help me is to get a good number of switches Koyo needs. We can never obtain a REAL number from Koyo as to the number of switches they need for their builds. Just for BETA build alone we have probably shipped them 200 switches and they have requested an additional 300 pieces. Why do they need these quantities? After all these are hand built parts it takes us a while to hand build.

If you have any questions feel free to contact me at [REDACTED]

Regards,  
Ray DeGiorgio

DAVID R DESROSIER



DAVID R DESROSIER  
09/21/2001 08:05 AM

To: Raymond DeGiorgio/US/GM/GMC [REDACTED]  
cc: CHARLES F CETLINSKI/US/GM/GMC [REDACTED]  
Subject: Re: Ignition Switch/Eaton-Delphi (Koyo)

Hello Ray,

I am the buyer for the GMT-315 EPS system, that uses a switch that I am being told you are working on.

Please review the attached information. Koyo is the ESP system supplier, and we have directed them to buy this switch from Eaton/Delphi.

I need to speak we you concerning this supplier and there lack of responsiveness they have demonstrated.

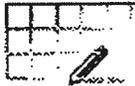
I really do not know where the problems lye, but I need to understand what going on so I can at lease try to help.

Thanks.

David Desrosier

[REDACTED]

----- Forwarded by DAVID R DESROSIER/US/GM/GMC on 09/21/2001 07:58 AM -----



CHARLES F CETLINSKI  
09/20/2001 01:00 PM

To: Kevin G. Gannon/US/GM/GMC [REDACTED]  
cc: DAVID R DESROSIER/US/GM/GMC [REDACTED] David Juarez/US/GM/GMC [REDACTED]  
Subject: Re: Ignition Switch/Eaton-Delphi (Koyo)

Dave,

I would imagine that you would need to initiate this discussion with Ray DeGiorgio. He is the release engineer from the Electrical Center that is developing this switch.

# GM Phonebook

Search Field #1 Last Name  Search For: degiorgio

Search Field #2 (optional) First Name  Search For:

Search Field #3 (optional) <none>  Search For:

Choose a search field and enter a corresponding value to search for.  
Use "\*" for wildcard/partial searches before, after or in the middle of the search value.

## RAYMOND G DEGIORGIO

Business Card Title SR Project Engineer

Organization GMNA PRODUCT DEVELOPMENT

Function ENG-ENGINEERING

Location FLINT MI

Work Phone  8 Lit

FAX  8 Lit

GM Pager

GM Mobile Phone

VME Node & Mailbox

Lotus Notes Address Raymond DeGiorgio/US/GM/GMC

Internet Email Address

Kevin G. Gannon

 Kevin G. Gannon  
09/20/2001 11:43 AM

To: DAVID R DESROSIER/US/GM/GMC [REDACTED]  
cc: CHARLES F CETLINSKI/US/GM/GMC [REDACTED] David Juarez/US/GM/GMC [REDACTED]  
Subject: Re: Ignition Switch/Eaton-Delphi (Koyo) 

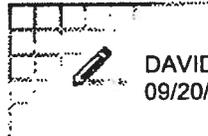
Dave,

The lock module is not in my area and I'm guessing is in the strg column area. To my knowledge, whoever owns the directed buy part has to agree to a change of the directed buy part.

## Kevin

Kevin Gannon

[REDACTED]  
Warren Campus Steering Systems  
GM North America  
DAVID R DESROSIER



DAVID R DESROSIER  
09/20/2001 09:20 AM

To: CHARLES F CETLINSKI/US/GM/GMC [REDACTED] Kevin G. Gannon/US/GM/GMC [REDACTED]  
cc:  
Subject: Ignition Switch/Eaton-Delphi

Kevin, based on the attached E-Mail for Koyo.

What would it take to allow Koyo to work with a supplier of their choice, for the lock module?

I have been in a few of these meeting.

Now that Eaton has been bought by Delphi, I feel, based on the lack of coroportaion from Eaton/Delphi, it would be in our long term best intrest to allow Koyo to go out an find a supplier for this part on their own.

Please advise.

David Desrosier

----- Forwarded by DAVID R DESROSIER/US/GM/GMC on 09/20/2001 08:45 AM -----  
D\_Angelo [REDACTED] on 09/18/2001 03:28:34 PM



To: DAVID R DESROSIER/US/GM/GMC [REDACTED] Raymond DeGiorgio/US/GM/GMC [REDACTED]  
cc: c\_brand [REDACTED] k\_cicotte [REDACTED] Arnaud Dessirieix/US/GM/GMC [REDACTED]  
Subject: Ignition Switch/Eaton-Delphi

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David & Ray,

This is a GM directed buy part to Koyo. Where do we go for help on this part? See the attached below. We have been more than patient with Delphi (Eaton) on these parts. We are tired of the excuses. If this continues, we will not be able to meet any of the production timing for Delta Z car. We cannot afford to have this kind of response once we start production.

I would like to initiate a change of supplier NOW, while we have the

opportunity to do so. We could approach Tokai Rika to manufacture the ignition switch and make it a part of their lock module assembly and they would have responsibility for the whole module.

Please advise me right away as I would like to resolve this issue immediately. Thank you for your assistance in this matter.

Best regards,  
R. C. (Dick) Angelo  
Koyo Steering Systems of USA  
Phone: [REDACTED]  
Fax: [REDACTED]

----- Forwarded by Dick Angelo/Koyosteering on 09/18/01 03:30 PM -----

Kathy Cicotte  
09/18/01  
Dunbar/Koyosteering [REDACTED]  
01:05 PM  
To: Dick Angelo/Koyosteering [REDACTED]  
cc: Karen  
Debbie Jarels/Koyosteering [REDACTED]  
Subject: Ignition Switch/Eaton-Delphi

This is to bring you up to speed on the situation Koyo is having with Eaton/Delphi (Larry Allen). In May, June, July and September orders were placed for samples, production also placed orders in June.

The timeline for sample orders are as follows:  
May 110 pcs. TAC and Japan  
Jun 50 pcs. Japan  
Jul 120 pcs. TAC and Japan  
Sep 400 pcs. TAC

So far I have only received 50 pcs. from the May order which I shipped 25 pcs. each to TAC and Japan. Both TAC and Japan have repeated asked when the balance will ship. I have tried repeated to get answers from Larry Allen with out success. I never am able to talk with him, all I get is his voice mail and if I'm lucky he may call me back. Around 1 month ago he stated that the parts had been manufactured in Mexico and I could expect delivery soon. After two weeks of no parts I called again to learn that the checker on the line was inaccurate and the parts had been sent to Downers Grove for manual checking. Then last week he called to tell me that I could expect only 23 pcs. the week of Sept. 17. Today (9/18) he called to state that they have a switch head problem and hopefully yet today I would receive a time line for delivery.

I've gotten excuses as to why parts aren't shipping from line checker problem at Mexico facility, then running changes for key spring and increasing strength of lock housing to now switch head.

The lack of parts affect Japan for parts on existing sample orders, and TAC for PV test, PPAP and training.

Both VA and myself are frustrated about the lack of communication from this vendor and apparent lack of urgency.

I can't believe that TAC is placing another order of 400 pcs. this month when I can't even ship prior requirements.

Kathy Cicotte  
Koyo Steering Systems of USA, Inc.



Email