CYBERSECURITY COMPARISONS TO CORONAVIRUS PROTECTION

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Cybersecurity: Protects Internet-Connected Systems from Cyber-Threats
- Protects Hardware, Software and Data
- Applies to Vehicle Networks and Related Networked Infrastructure

Coronavirus Protection: Nothing is as Important as Your Personal Health!
1. Stay Safe & Take Appropriate Precautions
2. Follow Imposed Guidelines for Your Physical Location & Work Environment
3. Protect Yourself & Those Around You

These Same 3 Precautions Apply to Cybersecurity!

Cybersecurity Has Additional Challenges
- Networked Environments & Attack Points
  - Difficult to Isolate a Single Computer or Vehicle ECU
- New Viruses Always Being Introduced
  - Many Antivirus Solutions Are Available, but Not Used
  - New Viruses Daily, Some Have No Immediate Antivirus
  - Most are Immediate, Some Designed to Incubate, then Attack
- Many Other Threats, Beyond Viruses:
  - Malware: Malicious Software to Harm Computer Resources
    - Include worms, computer viruses, Trojan horses and spyware
  - Ransomware: Malware Attacks Locking Computer System Files
    - Typically Using Encryption and Demanding $ to Unlock Them
  - Social Engineering: Uses Human Interaction to Trick Users
    - Users Breaking Security Procedures, e.g. Email Phishing
    - Allows Access to Sensitive Information that is Typically Protected

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Computer Viruses Can Be:
- Spread over Networks
- Distributed by Physical Contact
  - Storage Media
    - e.g. USB Flash Drives
  - External Devices, When Attached to a Vehicle or Computer
    - e.g. Vehicle Diagnostic Adapters
  - One Infection Can Spread to Infect Many!
    - Compromise Many Computer Systems or Vehicle ECUs

Proactive Cybersecurity Protection Measures!

CORONAVIRUS	CYBERSECURITY COMPUTERS /VEHICLE ECUs	EXAMPLE/COMMENT
Stay Safe/Stay Home	Take All Precautions	Digital Lock Down
Virus Testing	Enable Daily Antivirus Scans	Windows Defender
PPE: Wash Hands, Gloves, Masks	Use Strong Passwords, Social Engineering	Regular System Scans Also Help
Social Distancing	Use Virtual Private Network	Wi-Fi Access Point Security Also
Quarantine	Separate Work and Personal Email	Activate Antivirus & Malware Quarantine
Innocculate & General Health	Keep Your Antivirus & System Software Up to Date	Allow Windows Updates
Contact Tracing	Use Digital Signatures	Provides Secure Audit Trail
Flatten the Curve!	DG Technologies CyberTech	DPA 5 PRO Secure Vehicle Diagnostic Adapter

DG's DPA 5 PRO with CyberTech!

DPA 5 PRO

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