**故障现象序号（ ）：本试题满分14分， 实际得\_\_\_分， 裁判：\_\_\_\_\_\_\_\_**

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| **第一步：准确描述故障现象，并列举故障原因（3分）** | **得分** |
| 故障现象描述： |  |
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| 控制原理图，电路图来源（ ），不用者不填 |  |
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| 初步分析测试结果，必要时简单修复，并做进一步诊断（或验证），不用者不填。 |  |
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| 故障可能范围，分析到第一层即可，不用者不填： |  |
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**续表（本页必用）**

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| **第二步：故障确诊过程，请在对应的选项后划“√”或填写对应的内容（思路分3+细节分6）** | | | **得分** |
| **1、利用汽车专用解码器读取故障代码，结果：** | | |  |
| （1）解码器与发动机控制模块的通讯情况：异常（ ）/正常（ ）， | | |  |
| ①解码器与其他控制模块的通讯情况：异常（ ）/正常（ ） | | |  |
| ②从其他控制模块读取的相关故障代码信息，不用者不填： | | |  |
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| ③分析测试结果，不用者不填 | | |  |
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| ④导致汽车专用解码器通讯不正常通讯的故障原因，不用者不填： | | |  |
| （1） | 原理图，来源（ ），不用者不填 | |  |
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| （2）发动机控制模块与解码器正常通讯时读取的故障信息，不用者不填： | | |  |
| 无故障代码（ ）/有故障代码（ ） | | |  |
| ①基于无故障代码的诊断信息，分析可能的故障原因，不用者不填： | | |  |
| （1） | | 原理图，来源（ ），不用者不填 |  |
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**续表，本页根据需要选择使用，可多次选用，并在XX处写明序号，例如2,3,4等**

| **XX、基于有故障代码的诊断信息** | | | | | **得分** |
| --- | --- | --- | --- | --- | --- |
| 故障代码 | 定义 | | 是否始终记忆 | 与故障是否相关 |  |
|  |  | | 是（ ）/否（ ） | 是（ ）/否（ ） |  |
|  |  | | 是（ ）/否（ ） | 是（ ）/否（ ） |  |
|  |  | | 是（ ）/否（ ） | 是（ ）/否（ ） |  |
|  |  | | 是（ ）/否（ ） | 是（ ）/否（ ） |  |
|  |  | | 是（ ）/否（ ） | 是（ ）/否（ ） |  |
| ③分析测试结果，不用者不填。： | | | | |  |
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| ④基于相关故障代码的诊断信息，分析可能的故障原因，不用者不填： | | | | |  |
| （1） | | 原理图，来源（ ），不用者不填 | | |  |
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**续表，本页根据需要选择使用，可多次选用，并在XX处写明序号，例如2,3,4等**

| **XX、基于以上诊断结论，实施下一层诊断，确定故障范围** | | | | | | | | | | | | | | | | | | | | | | | | | | **得分** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 测试对象 | |  | | | | | | | | | | | | | | | | | | | | | | | |  |
| 测试条件 | |  | | | | | | | | | | | | | 使用设备 | | | | |  | | | | | |  |
| 电路电压、数据流或尾气排放数值测试结果，不用者不填 | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 测试参数 |  | | | |  | | |  | | |  | | | | |  | | |  | | | |  | | |  |
| 标准描述 |  | | | |  | | |  | | |  | | | | |  | | |  | | | |  | | |  |
| 测试结果 |  | | | |  | | |  | | |  | | | | |  | | |  | | | |  | | |  |
| 是否正常 |  | | | |  | | |  | | |  | | | | |  | | |  | | | |  | | |  |
| 波形测试结果，不用者不填。 | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 波形名称 | | 标准波形（注意单位） | | | | | | | | | | | 实测波形（请圈出异常位置） | | | | | | | | | | | | |  |
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| 分析测试结果，必要时简单修复，并做进一步诊断（或验证），不用者不填。： | | | | | | | | | | | | | | | | | | | | | | | | | |  |
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| 诊断结论：引起故障的可能原因，不用者不填： | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| （1） | | | | | | | | | | | 原理图，来源（ ），不用者不填 | | | | | | | | | | | | | | |  |
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**续表，本页必用，并在XX处写明序号，例如2,3,4等**

| **XX、基于以上诊断结论，实施下一层诊断，确定故障范围** | | | | | | | | | | | | | | | | | | | | | | | | | | **得分** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 测试对象 | |  | | | | | | | | | | | | | | | | | | | | | | | |  |
| 测试条件 | |  | | | | | | | | | | | | | 使用设备 | | | | |  | | | | | |  |
| 电路电压、数据流或尾气排放数值测试结果，不用者不填 | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 测试参数 |  | | | |  | | |  | | |  | | | | |  | | |  | | | |  | | |  |
| 标准描述 |  | | | |  | | |  | | |  | | | | |  | | |  | | | |  | | |  |
| 测试结果 |  | | | |  | | |  | | |  | | | | |  | | |  | | | |  | | |  |
| 是否正常 |  | | | |  | | |  | | |  | | | | |  | | |  | | | |  | | |  |
| 波形测试结果，不用者不填。 | | | | | | | | | | | | | | | | | | | | | | | | | |  |
| 波形名称 | | 标准波形（注意单位） | | | | | | | | | | | 实测波形（请圈出异常位置） | | | | | | | | | | | | |  |
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| 分析测试结果，必要时简单修复，并做进一步诊断（或验证），不用者不填。： | | | | | | | | | | | | | | | | | | | | | | | | | |  |
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| **XX、最终诊断结论：引起故障的可能原因：** | | | | | | | | | | | | | | | | | | | | | | | | | |  |
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| **第三步：分析故障机理，提出维修建议（2分）** | | | | | | | | | | | | | | | | | | | | | | | | | |  |
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注意：以下内容由裁判负责填写。请裁判根据选手的诊断思路写出评语，给出思路得分，主要从思路的清晰度、合理性和完整性等方面进行论述，满分3分。

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| 评语： |
| 思路得分：  裁判员（主）： 裁判员（副）：  2014年 月 日 2014年 月 日 |