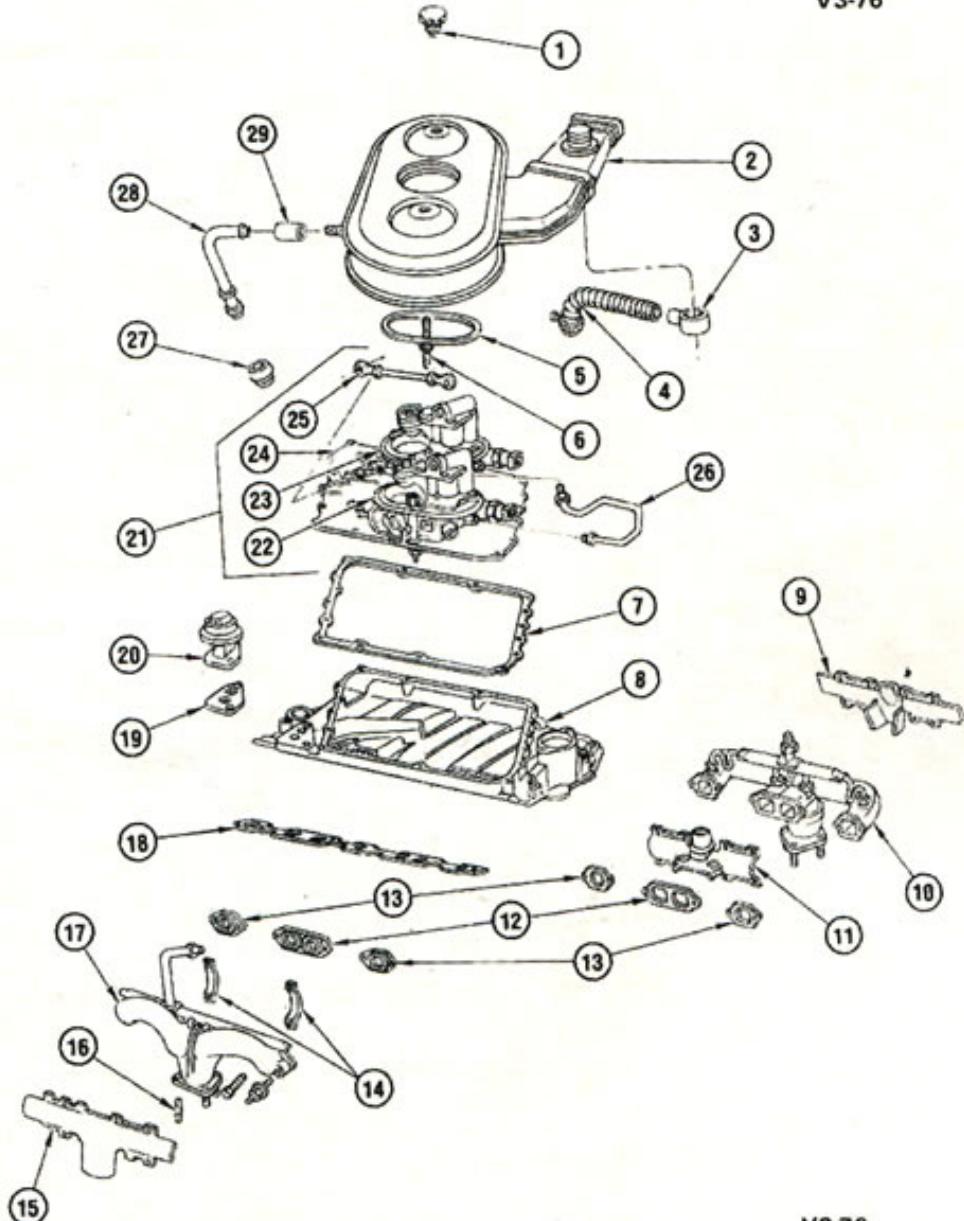


## 1982 Corvette: Exploded Views of 1982 Cross-Fire Injection Unit with Part Numbers

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Below are exploded views of a complete 1982 Corvette Cross-Fire Injection Unit with part numbers:



V3-76

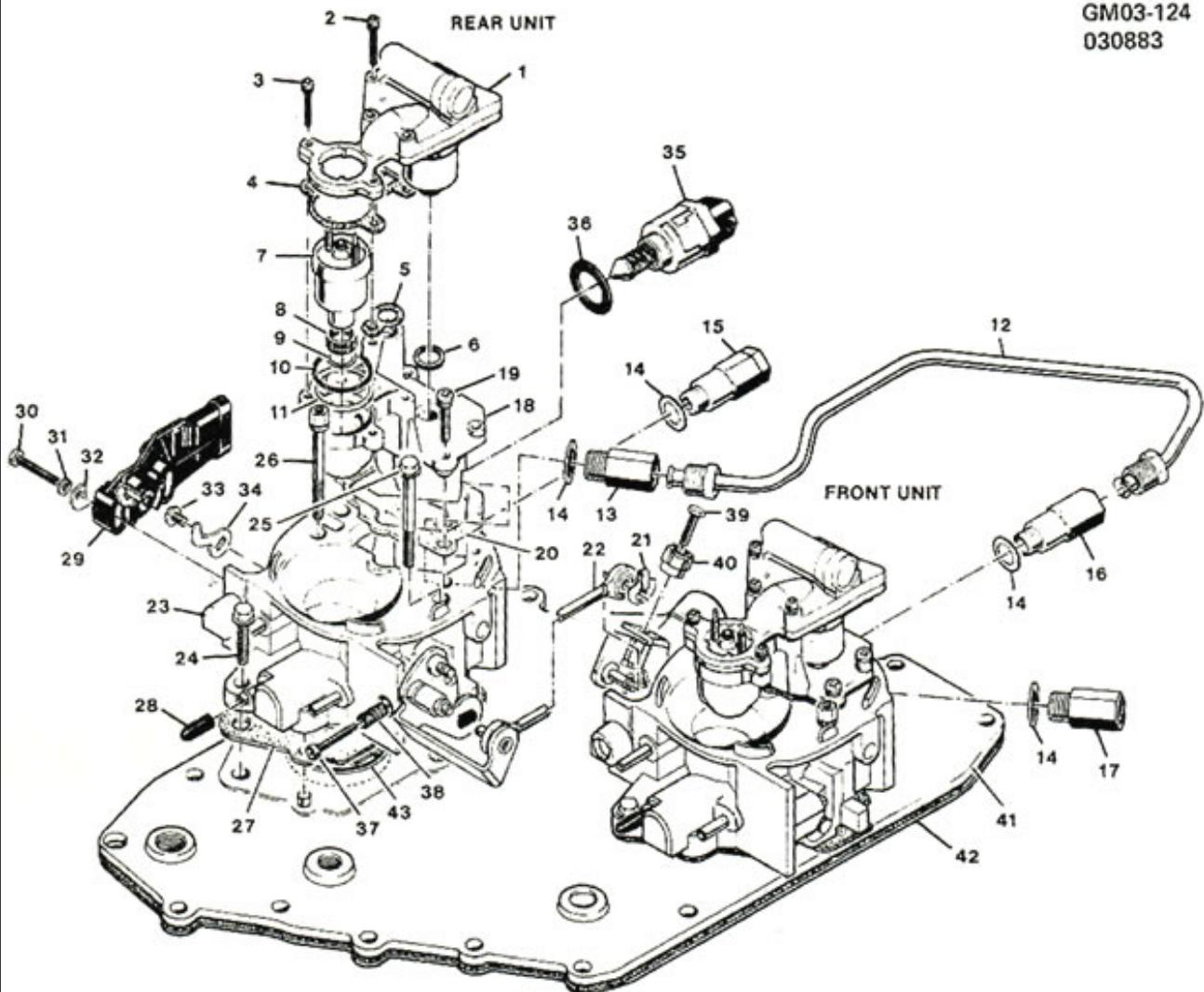
## 1982 "Y" T.B.I. ASSEMBLY &amp; AIR CLEANER

|           |                           |          |           |                                       |
|-----------|---------------------------|----------|-----------|---------------------------------------|
| 1. 3.403  | NUT, A/Clnr               | 14067309 | 18. 3.270 | GASKET KIT, Int Manif (Incls          |
| 2. 3.402  | CLEANER, Carb Air         | 25040866 |           | LH & RH) 14034932                     |
| 3. 3.417  | ELBOW, Carb Air Ht Stove  | 372586   | 19. 3.680 | GASKET, EGR Vlv 14031369              |
| 4. 3.417  | PIPE, Htr Air             | 1260631  | 20. 3.670 | VALVE, EGR (Includes #19) 17078423    |
| 5. 3.403  | SEAL, A/Clnr              | 14037770 | 21. 3.725 | THROTTLE BODY UNIT,                   |
| 6. 3.403  | STUD, A/Clnr              | 14037769 |           | Complete (Incls #22 thru 26) 17078834 |
| 7. 3.726  | GASKET, Throttle Body Inj | 14044605 | 22. 3.725 | THROTTLE BODY ASM, Frt                |
| 8. 3.265  | MANIFOLD, Int             | 14044606 |           | (Slave Unit) (*1) 17079738            |
| 9. 3.417  | STOVE, Eng Air Ht Otr     | 14045843 | 23. 3.725 | THROTTLE BODY ASM, Rear               |
| 10. 3.601 | MANIFOLD, Exh-LH          | 14037671 |           | (Master Unit) (*1) 17079736           |
| 11. 3.417 | STOVE, Eng Air Ht Inr     | 14045844 | 24. 3.726 | COVER KIT, Manif Inlet 17079728       |
| 12. 3.602 | GASKET, Exh Manif Ctr     | 14004091 | 25. N.S.  | ROD KIT, W/Bearing, Throttle          |
| 13. 3.602 | GASKET, Exh Manif         | 14004090 | 26. 3.163 | TUBE KIT, Fuel 17072588               |
| 14. 3.602 | STRAP, Exh Manif Ht Shld  | 14023182 | 27. 1.745 | GROMMET, C/Case Vent-RH 3989348       |
| 15. 3.602 | SHIELD, Exh Manif Ht      | 14045850 | 1.745     | GROMMET, C/Case Vent-LH 3989349       |
| 16. 3.613 | STUD, C/Ovr Pipe to Manif | 483543   | 28. 1.762 | TUBE, C/Case Vent 14045840            |
| 17. 3.601 | MANIFOLD, Exh-RH          | 14037672 | 8.962     | HOSE, Fuel-Oil Evap (Bulk             |
|           |                           |          |           | 3/4" ID)                              |

NOTE 1: For information on components see, Throttle Body Injection Unit illustration.



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**1982 "Y" THROTTLE BODY INJECTION UNITS (TBI)**

|     |  |      |
|-----|--|------|
| 1.  | METER ASM, Fuel (Incl Fuel Nuts)(Frt)(*13)         | N.S. |
|     | METER ASM, Fuel (Incl Fuel Nuts)(Rr)(*14)          | N.S. |
|     | COVER & PRESSURE REGULATOR, Fuel Meter (Rr)(*18)   | N.S. |
|     | COVER & ACCUMULATOR, Fuel Meter (Frt)(*17)         | N.S. |
| 2.  | SCREW ASM, Fuel Meter (Long)(*9)                   | N.S. |
| 3.  | SCREW ASM, Fuel Meter (Short)(*9)                  | N.S. |
| 4.  | GASKET, Fuel Meter Cover (*4,5,15,16,17,18,19,20)  | N.S. |
| 5.  | GASKET, Fuel Meter Outlet (*4,5,15,16,17,18,19,20) | N.S. |
| 6.  | SEAL, Press Reg Dust (Rr)(*4,5,15,16)              | N.S. |
| 7.  | INJECTOR, Fuel (Frt)(*19)                          | N.S. |
|     | INJECTOR, Fuel (Rr)(20)                            | N.S. |
| 8.  | FILTER, Fuel Injector (*5,15,16)                   | N.S. |
| 9.  | SEAL, Injector "O" Ring-Small (*4,5,15,16,19,20)   | N.S. |
| 10. | SEAL, Injector "O" Ring-Large (*4,5,15,16,19,20)   | N.S. |
| 11. | WASHER, Fuel Injector Back Up (*4,5,15,16,19,20)   | N.S. |
| 12. | TUBE ASM, Fuel (*7)                                | N.S. |
| 13. | NUT, Fuel Inlet (Rr)(*22)                          | N.S. |
| 14. | GASKET, Fuel Nut (2 Req)(*4,5,15,16,21,22)         | N.S. |
| 15. | NUT, Fuel Return (Rr)(*22)                         | N.S. |
| 16. | NUT, Fuel Return (Frt)(*21)                        | N.S. |
| 17. | NUT, Fuel Inlet (Frt)(*21)                         | N.S. |
| 18. | BODY ASM, Fuel Meter (Frt)(*15)                    | N.S. |
|     | BODY ASM, Fuel Meter (Rr)(*16)                     | N.S. |

## 1982 "Y" THROTTLE BODY INJECTION UNITS (TBI)

|     |   |      |
|-----|---|------|
| 19. | SCREW ASM, Body Attach (3 Req)(*9)                      | N.S. |
| 20. | GASKET, Fuel Meter Body (*4,13,14)                      | N.S. |
| 21. | CLIP, Throttle Rod Ret (Frt)(*2,3,4,6,8,9,23,24)        | N.S. |
| 22. | ROD, W/Bearing, Throttle                                | N.S. |
| 23. | BODY ASM, Throttle (Frt)(*23)                           | N.S. |
| 24. | BODY & ROD ASM, Throttle Body (Rr)(*24)                 | N.S. |
| 25. | BOLT, TBI Attach-Short (*10)                            | N.S. |
| 26. | BOLT, TBI Attach-Long (*10)                             | N.S. |
| 27. | STUD, TBI & Air Cleaner Attach (*10)                    | N.S. |
| 28. | GASKET, TBI Mounting (*2,3,4)                           | N.S. |
| 29. | CAP, Tube (*4)  | N.S. |
| 29. | SENSOR, Throttle Position (TPS)(Rr)(*11)                | N.S. |
| 30. | SCREW, TPS Attach (2)(Rr)(*9,11)                        | N.S. |
| 31. | WASHER, TPS Screw (2)(Rr)(*9,11)                        | N.S. |
| 32. | RETAINER, TPS (2)(Rr)(*9,11)                            | N.S. |
| 33. | SCREW, TPS Lever Attach (Rr)                            | N.S. |
| 34. | LEVER, TPS (Rr)   | N.S. |
| 35. | CONTROL ASM, Idle Air (IAC)(*12)                        | N.S. |
| 36. | GASKET, IAC Asm (*4,12)                                 | N.S. |
| 37. | SCREW, Throttle Stop (*9)                               | N.S. |
| 38. | SPRING, Throttle Stop Screw (*9)                        | N.S. |
| 39. | SCREW, Throttle Synchronizing (Frt)(*2,3,4,6,8,9,23,24) | N.S. |
| 40. | COLLER, Throttle Synch Screw (Frt)(Not Req)             | N.S. |
| 41. | COVER, Inlet Manifold (*6)                              | N.S. |
| 42. | GASKET, Inlet Manifold Cover (*6)                       | N.S. |
| 43. | TUBE, Throttle Bore (Swirl Plate)                       | N.S. |

All service parts are common between the Front & Rear TBI units except those indicated Front (Frt) or Rear (Rr). Rear unit exploded view is typical illustration.

NOTE 1: Group 3.725 THROTTLE BODY INJECTION (Complete Service)

NOTE 2: Group 3.725 THROTTLE BODY INJECTION-Front

NOTE 3: Group 3.725 THROTTLE BODY INJECTION-Rear

NOTE 4: Group 3.724 GASKET KIT

NOTE 5: Group 3.774 FILTER KIT, Fuel Injector Nozzle

NOTE 6: Group 3.726 COVER KIT, Manifold Inlet

NOTE 7: Group 3.163 TUBE KIT, Fuel

NOTE 8: Group 3.724 SCREW KIT, Throttle Synchronizing

NOTE 9: Group 3.724 FASTENER ASSORTMENT KIT

NOTE 10: Group 3.724 FASTENER KIT, Manifold Cover Attaching

NOTE 11: Group 3.440 SENSOR KIT, Throttle Position

NOTE 12: Group 3.820 CONTROL KIT, Idle Air Valve

NOTE 13: Group 3.734 FUEL METER KIT

NOTE 14: Group 3.734 FUEL METER KIT

NOTE 15: Group 3.734 FUEL METER BODY KIT

NOTE 16: Group 3.734 FUEL METER BODY KIT

NOTE 17: Group 3.734 ACCUMULATOR KIT, Pressure Front

NOTE 18: Group 3.734 REGULATOR KIT, Pressure Rear

NOTE 19: Group 3.774 FUEL INJECTOR KIT

NOTE 20: Group 3.774 FUEL INJECTOR KIT

NOTE 21: Group 3.724 FUEL INLET & OUTLET KIT-Front

NOTE 22: Group 3.724 FUEL INLET & OUTLET KIT-Rear

NOTE 23: Group 3.729 BODY KIT, Throttle-Front

NOTE 24: Group 3.729 THROTTLE BODY, W/ROD ASM-Rear

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