

FIRING ORDER 1-4-2-5-3-6
MD 4G 98-WAY CONNECTOR

211 4 8MM LOCKWASH
211 2 8MM O-RING
211 02 28 1268 TERMINAL (GOLD)

SPR COL 1A 1 YELLOW/BLACK 1B
SPR COL 1B 1 YELLOW/BLACK 1B
SPR COL 1C 1 YELLOW/BLACK 1B
SPR COL 1D 1 YELLOW/BLACK 1B
SPR COL 1E 1 YELLOW/BLACK 1B
SPR COL 1F 1 YELLOW/BLACK 1B
SPR COL 1G 1 YELLOW/BLACK 1B
SPR COL 1H 1 YELLOW/BLACK 1B
SPR COL 1I 1 YELLOW/BLACK 1B
SPR COL 1J 1 YELLOW/BLACK 1B
SPR COL 1K 1 YELLOW/BLACK 1B
SPR COL 1L 1 YELLOW/BLACK 1B
SPR COL 1M 1 YELLOW/BLACK 1B
SPR COL 1N 1 YELLOW/BLACK 1B
SPR COL 1O 1 YELLOW/BLACK 1B
SPR COL 1P 1 YELLOW/BLACK 1B
SPR COL 1Q 1 YELLOW/BLACK 1B
SPR COL 1R 1 YELLOW/BLACK 1B
SPR COL 1S 1 YELLOW/BLACK 1B
SPR COL 1T 1 YELLOW/BLACK 1B
SPR COL 1U 1 YELLOW/BLACK 1B
SPR COL 1V 1 YELLOW/BLACK 1B
SPR COL 1W 1 YELLOW/BLACK 1B
SPR COL 1X 1 YELLOW/BLACK 1B
SPR COL 1Y 1 YELLOW/BLACK 1B
SPR COL 1Z 1 YELLOW/BLACK 1B
SPR COL 2A 1 YELLOW/BLACK 1B
SPR COL 2B 1 YELLOW/BLACK 1B
SPR COL 2C 1 YELLOW/BLACK 1B
SPR COL 2D 1 YELLOW/BLACK 1B
SPR COL 2E 1 YELLOW/BLACK 1B
SPR COL 2F 1 YELLOW/BLACK 1B
SPR COL 2G 1 YELLOW/BLACK 1B
SPR COL 2H 1 YELLOW/BLACK 1B
SPR COL 2I 1 YELLOW/BLACK 1B
SPR COL 2J 1 YELLOW/BLACK 1B
SPR COL 2K 1 YELLOW/BLACK 1B
SPR COL 2L 1 YELLOW/BLACK 1B
SPR COL 2M 1 YELLOW/BLACK 1B
SPR COL 2N 1 YELLOW/BLACK 1B
SPR COL 2O 1 YELLOW/BLACK 1B
SPR COL 2P 1 YELLOW/BLACK 1B
SPR COL 2Q 1 YELLOW/BLACK 1B
SPR COL 2R 1 YELLOW/BLACK 1B
SPR COL 2S 1 YELLOW/BLACK 1B
SPR COL 2T 1 YELLOW/BLACK 1B
SPR COL 2U 1 YELLOW/BLACK 1B
SPR COL 2V 1 YELLOW/BLACK 1B
SPR COL 2W 1 YELLOW/BLACK 1B
SPR COL 2X 1 YELLOW/BLACK 1B
SPR COL 2Y 1 YELLOW/BLACK 1B
SPR COL 2Z 1 YELLOW/BLACK 1B
SPR COL 3A 1 YELLOW/BLACK 1B
SPR COL 3B 1 YELLOW/BLACK 1B
SPR COL 3C 1 YELLOW/BLACK 1B
SPR COL 3D 1 YELLOW/BLACK 1B
SPR COL 3E 1 YELLOW/BLACK 1B
SPR COL 3F 1 YELLOW/BLACK 1B
SPR COL 3G 1 YELLOW/BLACK 1B
SPR COL 3H 1 YELLOW/BLACK 1B
SPR COL 3I 1 YELLOW/BLACK 1B
SPR COL 3J 1 YELLOW/BLACK 1B
SPR COL 3K 1 YELLOW/BLACK 1B
SPR COL 3L 1 YELLOW/BLACK 1B
SPR COL 3M 1 YELLOW/BLACK 1B
SPR COL 3N 1 YELLOW/BLACK 1B
SPR COL 3O 1 YELLOW/BLACK 1B
SPR COL 3P 1 YELLOW/BLACK 1B
SPR COL 3Q 1 YELLOW/BLACK 1B
SPR COL 3R 1 YELLOW/BLACK 1B
SPR COL 3S 1 YELLOW/BLACK 1B
SPR COL 3T 1 YELLOW/BLACK 1B
SPR COL 3U 1 YELLOW/BLACK 1B
SPR COL 3V 1 YELLOW/BLACK 1B
SPR COL 3W 1 YELLOW/BLACK 1B
SPR COL 3X 1 YELLOW/BLACK 1B
SPR COL 3Y 1 YELLOW/BLACK 1B
SPR COL 3Z 1 YELLOW/BLACK 1B
SPR COL 4A 1 YELLOW/BLACK 1B
SPR COL 4B 1 YELLOW/BLACK 1B
SPR COL 4C 1 YELLOW/BLACK 1B
SPR COL 4D 1 YELLOW/BLACK 1B
SPR COL 4E 1 YELLOW/BLACK 1B
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SPR COL 4G 1 YELLOW/BLACK 1B
SPR COL 4H 1 YELLOW/BLACK 1B
SPR COL 4I 1 YELLOW/BLACK 1B
SPR COL 4J 1 YELLOW/BLACK 1B
SPR COL 4K 1 YELLOW/BLACK 1B
SPR COL 4L 1 YELLOW/BLACK 1B
SPR COL 4M 1 YELLOW/BLACK 1B
SPR COL 4N 1 YELLOW/BLACK 1B
SPR COL 4O 1 YELLOW/BLACK 1B
SPR COL 4P 1 YELLOW/BLACK 1B
SPR COL 4Q 1 YELLOW/BLACK 1B
SPR COL 4R 1 YELLOW/BLACK 1B
SPR COL 4S 1 YELLOW/BLACK 1B
SPR COL 4T 1 YELLOW/BLACK 1B
SPR COL 4U 1 YELLOW/BLACK 1B
SPR COL 4V 1 YELLOW/BLACK 1B
SPR COL 4W 1 YELLOW/BLACK 1B
SPR COL 4X 1 YELLOW/BLACK 1B
SPR COL 4Y 1 YELLOW/BLACK 1B
SPR COL 4Z 1 YELLOW/BLACK 1B
SPR COL 5A 1 YELLOW/BLACK 1B
SPR COL 5B 1 YELLOW/BLACK 1B
SPR COL 5C 1 YELLOW/BLACK 1B
SPR COL 5D 1 YELLOW/BLACK 1B
SPR COL 5E 1 YELLOW/BLACK 1B
SPR COL 5F 1 YELLOW/BLACK 1B
SPR COL 5G 1 YELLOW/BLACK 1B
SPR COL 5H 1 YELLOW/BLACK 1B
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SPR COL 5J 1 YELLOW/BLACK 1B
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SPR COL 5L 1 YELLOW/BLACK 1B
SPR COL 5M 1 YELLOW/BLACK 1B
SPR COL 5N 1 YELLOW/BLACK 1B
SPR COL 5O 1 YELLOW/BLACK 1B
SPR COL 5P 1 YELLOW/BLACK 1B
SPR COL 5Q 1 YELLOW/BLACK 1B
SPR COL 5R 1 YELLOW/BLACK 1B
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SPR COL 5T 1 YELLOW/BLACK 1B
SPR COL 5U 1 YELLOW/BLACK 1B
SPR COL 5V 1 YELLOW/BLACK 1B
SPR COL 5W 1 YELLOW/BLACK 1B
SPR COL 5X 1 YELLOW/BLACK 1B
SPR COL 5Y 1 YELLOW/BLACK 1B
SPR COL 5Z 1 YELLOW/BLACK 1B
SPR COL 6A 1 YELLOW/BLACK 1B
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SPR COL 6C 1 YELLOW/BLACK 1B
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SPR COL 6H 1 YELLOW/BLACK 1B
SPR COL 6I 1 YELLOW/BLACK 1B
SPR COL 6J 1 YELLOW/BLACK 1B
SPR COL 6K 1 YELLOW/BLACK 1B
SPR COL 6L 1 YELLOW/BLACK 1B
SPR COL 6M 1 YELLOW/BLACK 1B
SPR COL 6N 1 YELLOW/BLACK 1B
SPR COL 6O 1 YELLOW/BLACK 1B
SPR COL 6P 1 YELLOW/BLACK 1B
SPR COL 6Q 1 YELLOW/BLACK 1B
SPR COL 6R 1 YELLOW/BLACK 1B
SPR COL 6S 1 YELLOW/BLACK 1B
SPR COL 6T 1 YELLOW/BLACK 1B
SPR COL 6U 1 YELLOW/BLACK 1B
SPR COL 6V 1 YELLOW/BLACK 1B
SPR COL 6W 1 YELLOW/BLACK 1B
SPR COL 6X 1 YELLOW/BLACK 1B
SPR COL 6Y 1 YELLOW/BLACK 1B
SPR COL 6Z 1 YELLOW/BLACK 1B

IGN COIL CYL #6
FORD_EUST-14464-ABM(80) CONN
FORD_EUST-14464-ANA SPACER
FORD_EUST-14474-EAB TERM
FORD_MUST-18C338-CA SEAL (16GA)
FORD_AUST-18C338-BA SEAL (16GA)

IGN COIL CYL #5
FORD_EUST-14464-ABM(80) CONN
FORD_EUST-14464-ANA SPACER
FORD_EUST-14474-EAB TERM
FORD_MUST-18C338-CA SEAL (16GA)
FORD_AUST-18C338-BA SEAL (16GA)

IGN COIL CYL #4
FORD_EUST-14464-ABM(80) CONN
FORD_EUST-14464-ANA SPACER
FORD_EUST-14474-EAB TERM
FORD_MUST-18C338-CA SEAL (16GA)
FORD_AUST-18C338-BA SEAL (16GA)

IGN COIL CYL #3
FORD_EUST-14464-ABM(80) CONN
FORD_EUST-14464-ANA SPACER
FORD_EUST-14474-EAB TERM
FORD_MUST-18C338-CA SEAL (16GA)
FORD_AUST-18C338-BA SEAL (16GA)

IGN COIL CYL #2
FORD_EUST-14464-ABM(80) CONN
FORD_EUST-14464-ANA SPACER
FORD_EUST-14474-EAB TERM
FORD_MUST-18C338-CA SEAL (16GA)
FORD_AUST-18C338-BA SEAL (16GA)

IGN COIL CYL #1
FORD_EUST-14464-ABM(80) CONN
FORD_EUST-14464-ANA SPACER
FORD_EUST-14474-EAB TERM
FORD_MUST-18C338-CA SEAL (16GA)
FORD_AUST-18C338-BA SEAL (16GA)

CRANK SENSOR
AUST-14464-VCA CONN
BOSCH-1-928-488-856 TERM
AMP_828994-1 SEAL

TPMAP SENSOR
BOSCH-1-928-488-738 CONN
BOSCH-1-928-488-856 TERM
AMP_828994-1 SEAL

BOSCH THROTTLE
AMP_828994-1 CONNECTOR
AMP_828994-1 1000V
AMP_828994-1 1000V

DIAGNOSTIC CONNECTOR
1971-14624-CRA CONN

KNOCK SENSORS
1971-14624-CRA CONN

LPG LOCKOFF
1971-14624-CRA CONN

FUEL INJECTOR INTERFACE
INJ CYL #6
INJ CYL #5
INJ CYL #4
INJ CYL #3
INJ CYL #2
INJ CYL #1

CAM PHASER (BANK 1)
EUST-14464-CA CONN
EUST-14474-EAB TERM

CAM PHASER (BANK 2)
EUST-14464-CA CONN
EUST-14474-EAB TERM

CAM POSITION SENSOR (BANK 1)
EUST-14464-CA CONN

CAM POSITION SENSOR (BANK 2)
EUST-14464-CA CONN

CHT SENSOR
AMP-14464-C CONN

OIL PRESSURE SENSOR
EUST-14464-SB CONN

GASOLINE SENSOR INTERFACE
1216842 CONNECTOR
1216842 TERM (GOLD)
1216842 WIRE SEAL
1216842 LOCK

BATT +
RING

ALTERNATOR
AMP 194832-1 CONN

STARTER SOLENOID
RING

STARTER RELAY
F4
F5

FUEL PUMP RELAY
F1
F2
F3
F4
F5

POWER RELAY
F1
F2
F3
F4
F5

RELAYED POWER
F1
F2
F3
F4
F5

FUEL PUMP
F1
F2
F3
F4
F5

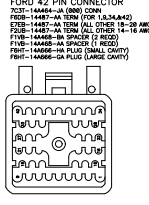
STARTER
M1

DEPR
AMP 174362-2 CONN
AMP 174362-2 LOCK
AMP 174362-1 TERM
AMP 172888-2 SEAL

REVISIONS

REV	DESCRIPTION	APPROVAL	DATE
1	FIRST PROTOTYPE	JLS	10/10/20
2	REMOVE OIL PRESSURE INDICATOR CIRCUIT/ADD MIL FLASH CIRCUIT/ADD FIMP SENSOR	JLS	12/15/20
3	ADD DISCONNECT BETWEEN ECM AND FUEL INJECTORS	JLS	2/23/22
4	REMOVE FIMP SENSOR/FIMP INTERFACE WILL NOW BE THROUGH THE VIC	JLS	4/28/22

VEHICLE INTERFACE CONNECTOR



NOTES:
ALL WIRE IS SAE J1128 TXL TYPE
HARNES TO BE LABELED WITH ECI PART NUMBER AND REVISION

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ECONTRLS INC.

Title: EDI / FORD 3.5L Bi-Fuel
Date: 18/10/2020
Filename: FORD_35L_BIFUEL4.sch

Number: TBD
Sheet: 1 of 1

Rev: 4
Drawn By: J. SUTTON