

## HYFIRE® VI (6) SERIES



### HYFIRE® 6 CD VI Multi-Strike CD Ignition

#### Features At A Glance:

- State-of-the-art digital circuitry with 4 times faster processing
- **Boost proportional retard** capability with optional harness
- **2 stage rev limiting** in 100 RPM increments
- Automatic start retard circuit for easier starting
- Built-in RPM Window Switch – great for nitrous oxide
- Easy-to-use digital display with push button controls
- Great for supercharged, turbocharged and nitrous applications

HYFIRE® VI Multi-Strike CD Ignition ..... 685

<i>Mallory #685 HYFIRE VI</i>	<i>Product Feature Comparison</i>	<i>MSD #6520 Digital 6+</i>
Digital	Digital or Analog	Digital
Yes	Multiple Spark	Yes
Two Stage	Rev Limiting	Two Stage
Yes	Start Retard	Yes
Single Stage	Selectable Retard	Single Stage
Yes - w/ 29785 Harness & 716 Map Sensor added	Boost Proportional Retard	No
No	Standard RPM Switch	No
Yes	RPM Window Switch	No
525	Primary Output Voltage	535
45,000	Secondary Voltage Output	45,000
137mJ	Spark Energy	135 mJ
.7 Amps	Current Draw Per 1,000 RPM	.7 Amps
8-16	Operating Voltage Required	10-18
29440 / 29625 / 30440 / 30625	Recommended Coil	8252
3 to 12	Number of Cylinders	4 - 6 - 8
Extruded Aluminum	Housing Construction	Extruded Aluminum
Tach Calibration	Additional Features	Odd-fire V-6
Push Button Controls	Additional Features	Rotary Switches
Digital Display	Additional Features	—

<i>Mallory #685 HYFIRE VI</i>	<i>Product Feature Comparison</i>	<i>MSD #6462 6 BTM</i>
Digital	Digital or Analog	Analog
Yes	Multiple Spark	Yes
Two Stage - No Chips Required	Rev Limiting	Single Stage - Chips Required to Activate
Yes	Start Retard	No
Single Stage	Selectable Retard	No
Yes - w/ 29785 Harness & 716 Map Sensor added	Boost Proportional Retard	Yes - Built-In MAP
No	Standard RPM Switch	No
Yes	RPM Window Switch	No
525	Primary Output Voltage	460 - 480
45,000	Secondary Voltage Output	45,000
137 mJ	Spark Energy	110 mJ
.7 Amps	Current Draw Per 1,000 RPM	1.0 Amps
8-16	Operating Voltage Required	10-18
29440 / 29625 / 30440 / 30625	Recommended Coil	8252
3 to 12	Number of Cylinders	4 - 6 - 8
Extruded Aluminum	Housing Construction	Cast Aluminum
Tach Calibration	Additional Features	Odd-fire V-6
Digital Display	Additional Features	—

## HYFIRE® 6 SERIES

### HYFIRE® 6.6 Multi-Strike CD Ignition

#### Features At A Glance:

- State-of-the-art digital circuitry with 4 times faster processing
- **Boost proportional retard** capability with optional harness
- **3 stage rev limiting in 100** RPM increments
- Automatic start retard circuit for easier starting
- Built-in RPM Window Switch – great for nitrous oxide
- Easy-to-use digital display with push button controls
- Great for supercharged, turbocharged and nitrous applications



Note: Once programmed, the hand-held control unit can be unplugged and stored.

HYFIRE® VI Multi-Strike CD Ignition . . . . . 686M

<i>Mallory #686M HYFIRE 6.6</i>	<i>Product Feature Comparison</i>	<i>MSD #6520 Digital 6+</i>
Digital	Digital or Analog	Digital
Yes	Multiple Spark	Yes
Three Stage	Rev Limiting	Two Stage
Yes	Start Retard	Yes
Four Stage	Selectable Retard	Single Stage
Yes - w/29785 Harness & 2 or 3 Bar Map Sensor - see below	Boost Proportional Retard	No
Two	Standard RPM Switch	No
Yes	RPM Window Switch	No
525	Primary Output Voltage	535
45,000	Secondary Voltage Output	45,000
137mJ	Spark Energy	135 mJ
.7 Amps	Current Draw Per 1,000 RPM	.7 Amps
8-16	Operating Voltage Required	10-18
29440 / 29625 / 30440 / 30625	Recommended Coil	8252
3 to 12	Number of Cylinders	4 - 6 - 8
Extruded Aluminum	Housing Construction	Extruded Aluminum
Tach Calibration	Additional Features	Odd-fire V-6
Push Button Controls	Additional Features	Rotary Switches
Digital Display	Additional Features	—

Replacement Hand Held Control . . . . . 29124

HYFIRE® VI (6) Harness and Sensors for Supercharged/TurboCharged Applications

MAP Sensor Harness

for part no. 685 HyFIRE Ignition System. . . . . 29785

2 BAR Map Sensor

for use with 29785 Map Sensor Harness . . . . . 716

3 BAR Map Sensor

for use with 29785 Map Sensor Harness . . . . . 717



29124



29785

716