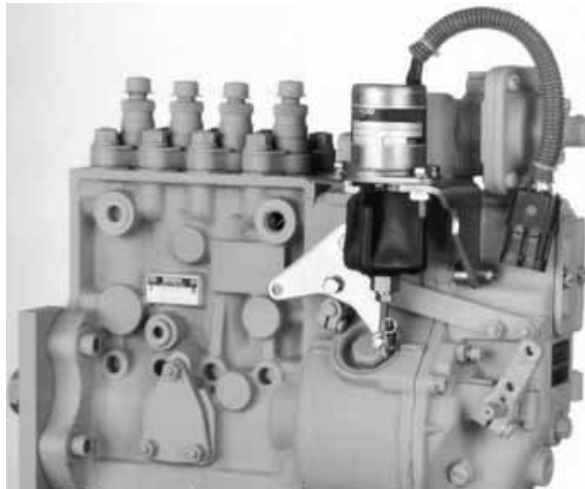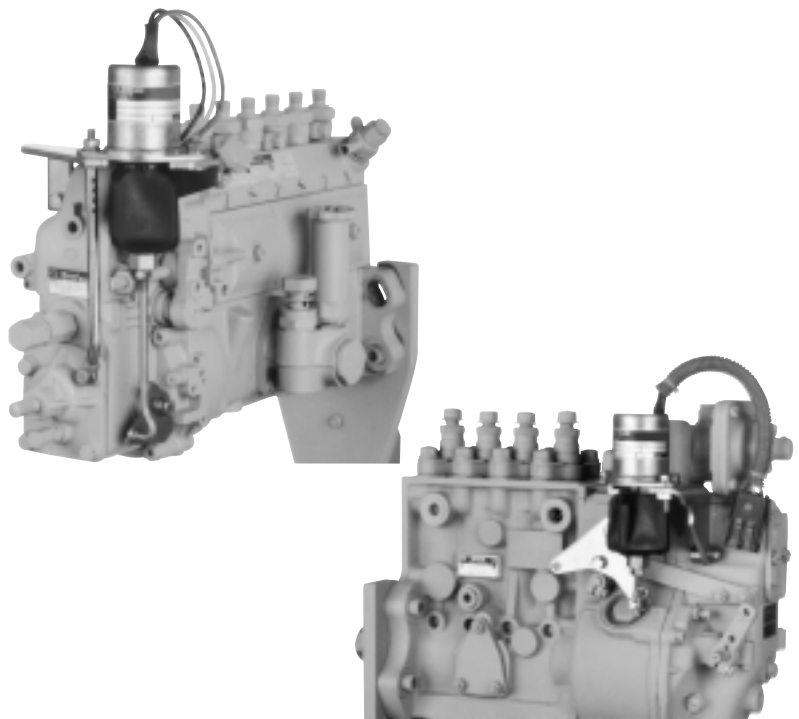# WOODWARD

Solenoid Shutdown Kits

Shutdown Kits

Safe, dependable shutdown systems fit a range of engines and fuel injection pump governors. Designed for ease of installation and maintenance, kits contain solenoid and all mounting hardware for attachment to the governor housing.

Features:

- Hold coil designed for continuous duty operation under the most severe temperature and vibration conditions
- Brass liner plunger bore for long life
- Plunger hard chrome plated for smooth, reliable, wear-resistant operation
- Plated steel solenoid, bracket, linkage, lever and hardware for corrosion resistance
- Available in 12 and 24 volt models

- Optional Packard Weather Pack, or Metri-Pack sealed connectors (RQV-K Bosch Kit includes Packard Weather Pack connector)
- Mounting hardware included for fast, easy installation
- Kits contain the properly selected solenoid and return spring for running and stopping engines under all conditions
- Solenoids are sized according to deration for hot temperature and low voltage

Kits Available:

- RQV-K Type Bosch Kit
- RSV Type Bosch Kit
- Kubota Kit 1A (62.2 mm series engines)
- Kubota Kit 3A (70 and 82 mm series engines)
- Mitsubishi L Series Kit
- RSV Type Zexel Nippondenso Kit

phone: 847-967-7730

Shutdown Kits
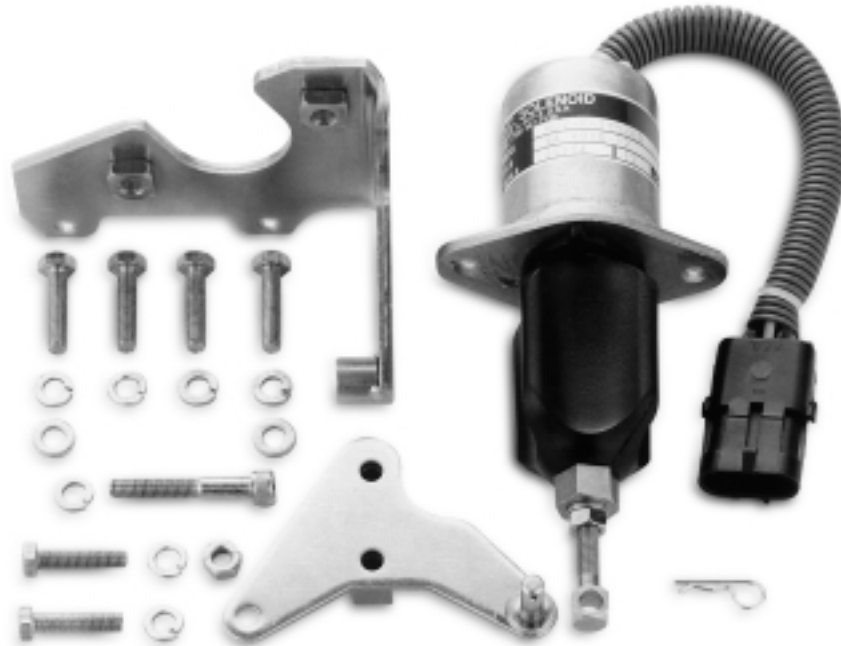
Specifications:

Solenoid	3-wire externally switched (ES) solenoid Internally switched solenoid also available on Kubota and RSV-Bosch kits
Rated Voltage	12 or 24 VDC
Ambient Temperature	-40˚F to +250˚F (-40˚C to +121˚C)
Weight	Approx. 3.0 lbs (1.4 kg)

Engine Series	Voltage	Pull Current	Hold Current
RQV-K Bosch	12 24	55 A 29 A	1.1 A 0.6 A
RSV Bosch	12 24	46 A 25 A	1.1 A 0.5 A
Kubota 1A (62.2 mm series)	12 24	33 A 18 A	0.8 A 0.4 A
Kubota 3A (70 & 82 mm series)	12 24	46 A 25 A	1.1 A 0.5 A
Mitsubishi L	12	46 A	1.1 A
RSV Zexel Nippondenso	12 24	55 A 29 A	1.1 A 0.6 A

Solenoid Shutdown Systems

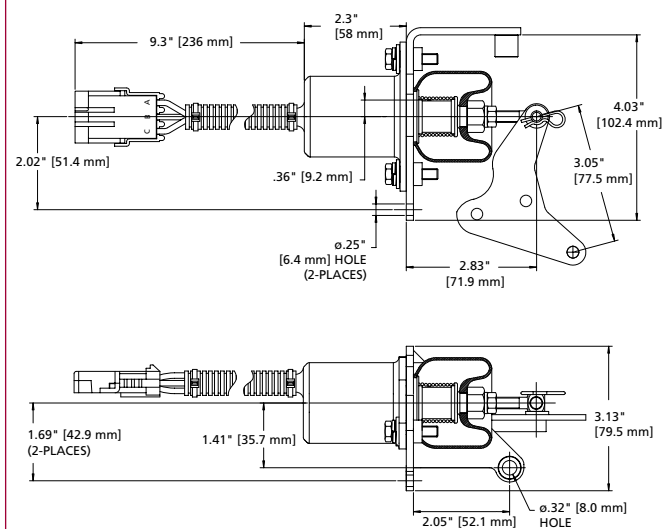Specifications are for reference only.

Shutdown Kits

RQV-K Bosch Kit

• Installs on a variety of engines using Bosch pumps with RQV-K governor

• 1752ES solenoid has built-in Packard Weather Pack connector (Housing No. 12020827)

ORDER NO.	Solenoid Model	Voltage
SA-4026-12	1752ES	12 VDC
SA-4026-24	1752ES	24 VDC

NOTE: Left-Hand Kit with 1752ES solenoid
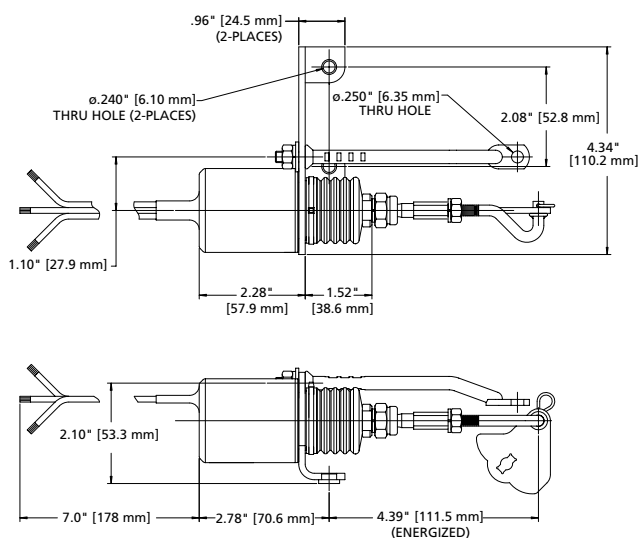
Shutdown Kits

RSV Bosch Kit

- Installs on a variety of engines and Bosch Models A, MW, and P pumps with RSV governor
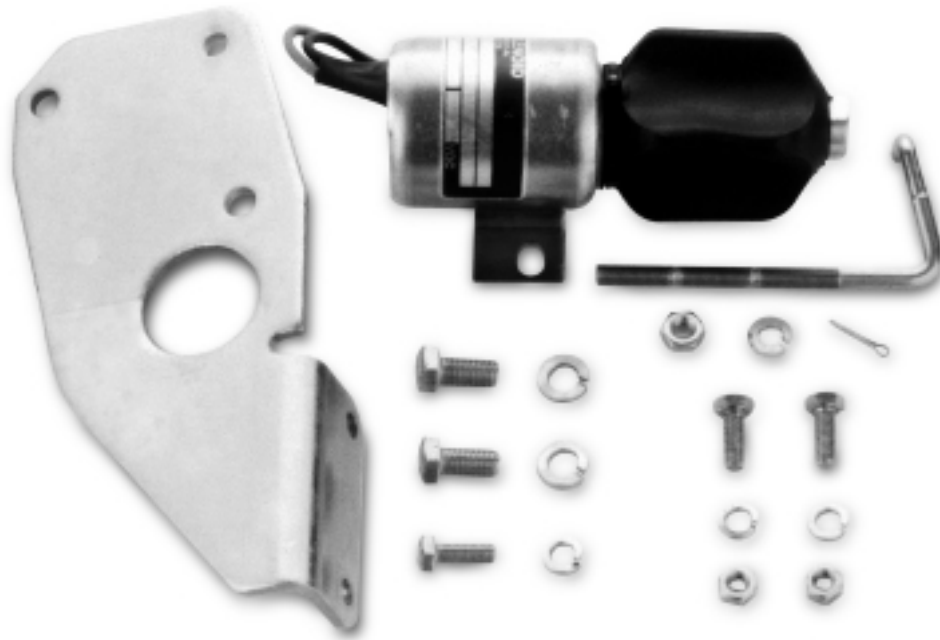- Right- or left-hand mounting styles

ORDER NO. Right-Hand	Solenoid Model	Voltage
SA-3799-12	1751ES	12 VDC
SA-3799-24	1751ES	24 VDC
SA-3800-12	1751	12 VDC
SA-3800-24	1751	24 VDC

ORDER NO. Left-Hand	Solenoid Model	Voltage
SA-3742-12	1751ES	12 VDC
SA-3742-24	1751ES	24 VDC
SA-3765-12	1751	12 VDC
SA-3765-24	1751	24 VDC

.96" [24.5 mm] (2-PLACES)
ø.240" [6.10 mm] THRU HOLE (2-PLACES)
ø.250" [6.35 mm] THRU HOLE
2.08" [52.8 mm]
4.34" [110.2 mm]
1.10" [27.9 mm]
2.28" [57.9 mm]
1.52" [38.6 mm]
2.10" [53.3 mm]
7.0" [178 mm]
2.78" [70.6 mm]
4.39" [111.5 mm] (ENERGIZED)

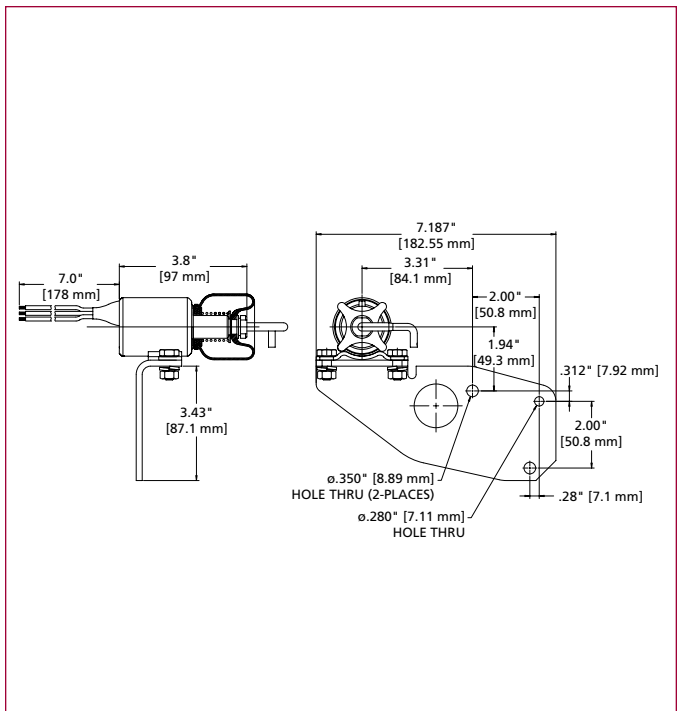**NOTE: Left-Hand Kit with 1751ES solenoid**

Shutdown Kits

Kubota 1A Kit (62.2 mm series engines)

• Installs on Kubota 62.2 mm series engines
• Also available as hardware kit without 1753 solenoid

ORDER NO.	Solenoid Model	Voltage
SA-4268-12	1753	12 VDC
SA-4269-12	1753ES	12 VDC
SA-4270 (Hardware only)	—	—

phone: 847-967-7730

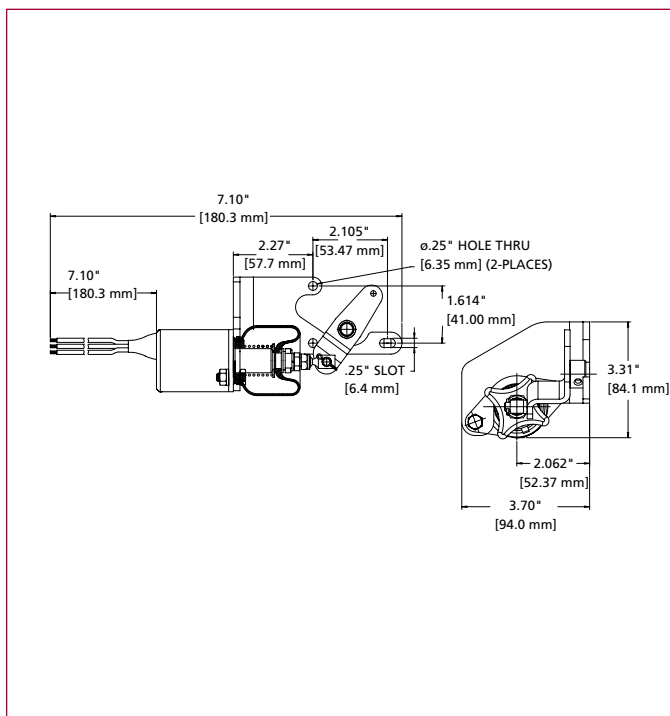# Shutdown Kits

Kubota 3A Kit (70 & 82 mm series engines)
- Installs on Kubota 70 and 82 mm series engines
- Also available as hardware kit without 1751 solenoid

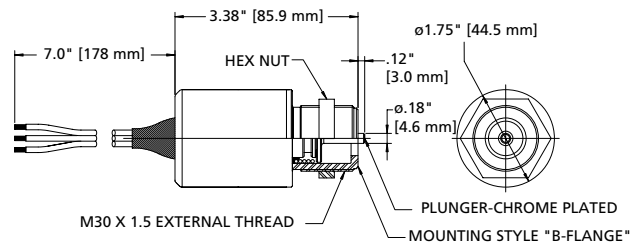| ORDER NO.	Solenoid Model	Voltage
SA-4259-12	1751	12 VDC
SA-4260-12	1751ES	12 VDC
SA-4260-24	1751ES	24 VDC
SA-4264 (Hardware only)	—	—

Shutdown Kits

Mitsubishi L Kit

• Installs on Mitsubishi "L" Series engines directly into pump with no external linkage

ORDER NO.	Solenoid Model	Voltage
SA-3725	1751ES	12 VDC

3.38" [85.9 mm]

ø1.75" [44.5 mm]

7.0" [178 mm]

HEX NUT

.12" [3.0 mm]

ø.18" [4.6 mm]

M30 X 1.5 EXTERNAL THREAD

PLUNGER-CHROME PLATED

MOUNTING STYLE "B-FLANGE"

NOTE: 1751ES threaded solenoid with 30mm lock nut screws into back of pump

Shutdown Kits

RSV Zexel Nippondenso

- Installs on a variety of engines using Zexel or Nippondenso pumps with RSV governor
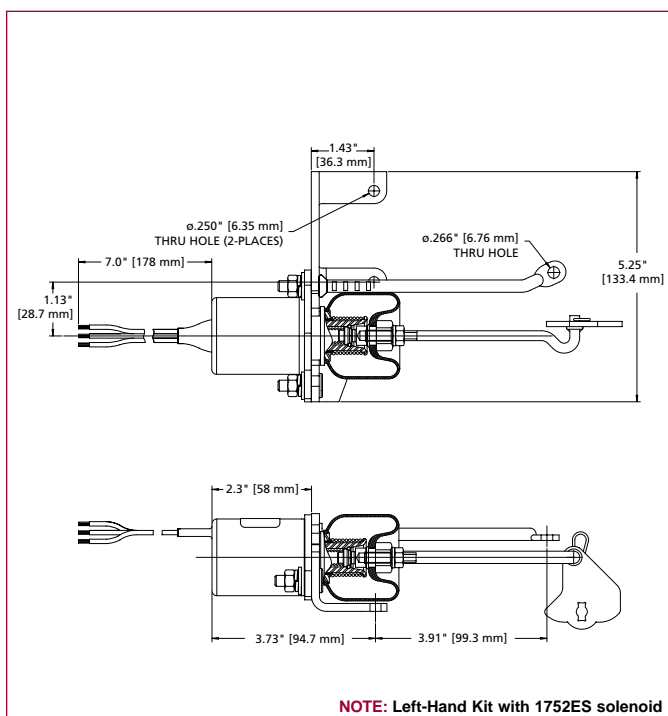- Right- or left-hand mounting styles

ORDER NO. Right-Hand	Solenoid Model	Voltage
SA-3999-12	1752ES	12 VDC
SA-3999-24	1752ES	24 VDC

ORDER NO. Left-Hand	Solenoid Model	Voltage
SA-4014-12	1752ES	12 VDC
SA-4014-24	1752ES	24 VDC

1.43" [36.3 mm]

ø.250" [6.35 mm] THRU HOLE (2-PLACES)

ø.266" [6.76 mm] THRU HOLE

7.0" [178 mm]

1.13" [28.7 mm]

5.25" [133.4 mm]

2.3" [58 mm]

3.73" [94.7 mm]

3.91" [99.3 mm]

NOTE: Left-Hand Kit with 1752ES solenoid

Shutdown Solenoid Kit

Fuel shutdown solenoid mounts closely above the front gear housing behind the fan on Kubota D722 & Z482 engines.

Features:

- Energized to run, fail-safe operation
- Hold coil designed for continuous duty operation under the most severe temperature and vibration conditions
- Brass liner plunger bore for long life
- Plunger hard chrome plated for smooth, reliable, wear-resistant operation

- Plated steel solenoid, bracket, linkage, lever and hardware for corrosion resistance
- Available in 12 and 24 volt models
- Mounting hardware included for fast, easy installation

Order Information:

ORDER NO.	Solenoid	Voltage
SA-4899-12	1756ES	12 VDC
SA-4899-24	1756ES	24 VDC

Kubota Shutdown Lever:

Engine must be equipped with proper shutdown lever in order to install the shutdown solenoid. Order appropriate part number from Kubota.

PART NO.	Engine Production Date*
16851-57720	Before April, 2001
16851-57723	After April, 2001

*Contact Kubota with engine serial number

phone: 847-967-7730

Shutdown Solenoid

Specifications:

Rated Voltage	12 or 24 VDC
Ambient Temperature	-40˚F to +250˚F (-40˚C to +121˚C)
Weight	Approx. 1.8 lbs (0.8 kg)

Engine Type	Voltage	Pull Current	Hold Current
Kubota D722 & Z482	12	46 A	1.1 A
	24	25 A	0.5 A

Solenoid Shutdown Systems

Specifications are for reference only.

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