

PROTECT EQUIPMENT FROM FREQUENT REPAIRS

SAVE MONEY AND OPERATIONS TIME WITH A SMART IGNITION SWITCH DESIGNED FOR GSE



**OVER 40%
COST REDUCTION
PER YEAR***



**PROTECTS AND
REDUCES DAMAGE
TO EXPENSIVE VEHICLE
COMPONENTS**



**BUILT-IN OPERATOR
WARNING SYSTEM**



**LOW
PRESSURE**



**OVERHEAT
RANGE**

ADDITIONAL FEATURES

- UNIVERSAL PLUG-AND-PLAY
- PROGRAMMABLE IGNITION CRANKING FROM 2-8 SECONDS
- COMPATIBLE WITH 12V AND 24V ELECTRICAL SYSTEMS
- WORKS WITH GASOLINE, LPG, CNG, AND DIESEL FUEL SYSTEMS



REPLACES

Sage Part #: 950-6104

Sage Part #: 956-3124 (pigtail kit 31101KIT required)

COMING SOON

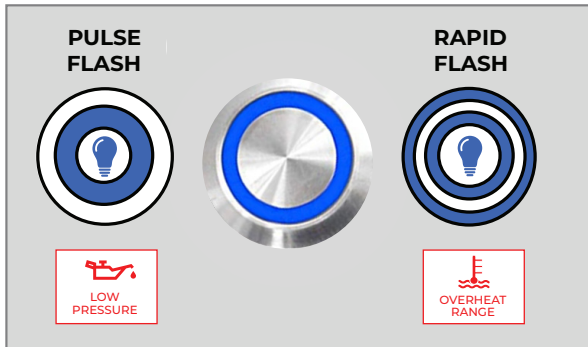


OPTIONAL FEATURES

OPERATOR SAFETY

- LOW FUEL SHUT DOWN
- DEAD MAN SWITCH
- EMERGENCY BRAKE ENGAGE
- WHEEL POSITION (STRAIGHT)

OPERATOR WARNING SYSTEM



LOW PRESSURE: slow (pulsing) flash when engine running



OVER TEMPERATURE: Rapid flash when running. Prevents vehicle from starting if engine is over temperature. Will be able to restart when desired temperature (220C/104F) is achieved.

COST OF OWNERSHIP COMPARISON

RAMPTTECH® SMART SWITCH PROVIDES **OVER 40% COST REDUCTION PER YEAR**

STANDARD ROTARY SWITCH					
Component	Replacement Part Cost (USD)	Labor hours*	Labor rate (USD)	Replacement frequency (Engine Hours)	Cost per 1500 Engine Hours (USD)
Standard Switch	\$28.00	0.3	\$70.00	3,000	\$25.00
Starter	\$195.00	1.0	\$70.00	1,000	\$396.00
Flywheel	\$200.00	3.5	\$70.00	2,500	\$267.00
Battery	\$70.00	0.3	\$70.00	1,000	\$137.00
COST PER 1 YEAR					\$825.00

RAMPTTECH® SMART IGNITION SWITCH					
Component	Replacement Part Cost (USD)	Labor hours*	Labor rate (USD)	Replacement frequency (Engine Hours)	Cost per 1500 Engine Hours (USD)
SMART SWITCH	\$330.00	0.5	\$70.00	15,000	\$49.00
Starter	\$195.00	1.0	\$70.00	1,000	\$268.00
Flywheel	\$200.00	3.5	\$70.00	2,500	\$118.00
Battery	\$70.00	0.3	\$70.00	1,000	\$40.00
COST PER 1 YEAR					\$475.00

* Labor hours based on Mitchel OnDemand Labor guide for a Ford F150 with a 4.9L engine
 ** Excludes cost of operational disruption (equipment out of service)
 *** Excludes savings generated from Operator Warning System
 **** Values are estimates only, results may vary

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