

ENGINE-POWERED & HYBRID BOOM SKYGUARD ACCESSORIES



ENHANCE CONTROL PROTECTION

SkyGuard™ provides the operator and control panel with enhanced protection that doesn't limit platform workspace or visibility. When the sensor is activated by approximately 50 lb of force or more, SkyGuard stops all functions in use at the time, and its unique reverse functionality—the first feature of its kind in the market—temporarily reverses most functions for a short period of time. SkyGuard is available exclusively from JLG.

FEATURES AND BENEFITS:

- Can be activated from a variety of angles
- Cuts out functions and temporarily reverses most, but not all, that were in use at the time of activation for less than a second
- Does not limit platform workspace or operator visibility
- No moveable parts means there's no need for scheduled or additional maintenance
- A horn and optional flashing beacon (sold separately) alert other workers on the jobsite to sensor activation
- Resets by cycling foot switch or e-stop

HOW TO CONFIGURE YOUR SKYGUARD INSTALLATION:

- STEP 1: Determine machine compatibility
- STEP 2: Identify requirement for Ground Control
- STEP 3: Identify requirement for Platform Control Harness
- STEP 4: Select SkyGuard based on platform style
- STEP 5: Optional—Identify compatible Beacon Option if desired

***The instructions for these five steps are found on the following page.



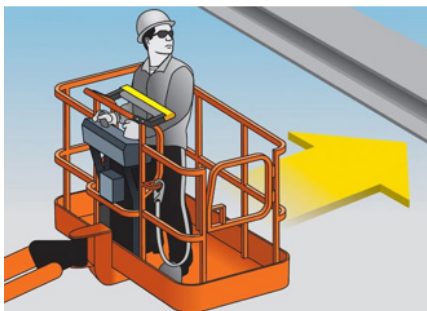
SKYBAR



SKYLINE



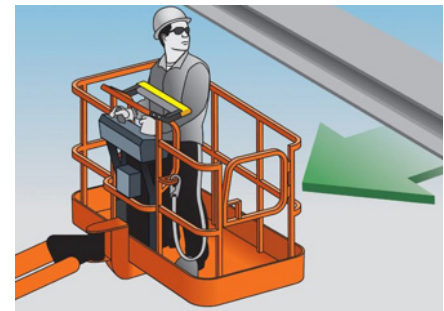
SKYEYE



Operator moves toward obstruction.



Horn sounds upon operator contact with the bar.



The auto reverse feature activates for most functions (see chart).

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STEP 1: DETERMINE MACHINE CAPABILITY

MACHINE MODEL	SERIAL NUMBERS
340AJ ²	PRIOR TO 0300336409
H340AJ ²	PRIOR TO 0300332931
400S/460SJ ¹	S/N 0300064507 TO PVC2501 EXC. 0300064582, 0300064584, 0300064585
460SJ 1000-LB ³	PRIOR TO PVC2501
400S/460SJ HC3 ³	PRIOR TO 0300332503
400SC/460SJC ²	PRIOR TO PVC2501
450A/AJ SERIES II ¹	S/N 0300065080-0300201991 EXC. 0300199221, 0300199222, 0300199223, 0300199224, 0300200428, 0300201105, 0300201106, 0300201107, 0300201108, 0300201109, 0300201481, 0300201482, 0300201528, 0300201529, 0300201575, 0300201576, 0300201577, 0300201623, 0300201624, 0300201668, 0300201811, 0300201812, 0300201813, 0300201814, 0300201858, 0300201859, 0300201860, 0300201861, 0300201862, 0300201906, 0300201907, 0300201908, 0300201909, 0300201910, 0300201954, 0300201955, 0300201956, 0300201957, 0300201958
	S/N 1300000001 TO PVC2501
	PRIOR TO S/N E300002833
450A/AJ ²	S/N 0300201991 TO 0300336399 INC. 0300199221, 0300199222, 0300199223, 0300199224, 0300200428, 0300201105, 0300201106, 0300201107, 0300201108, 0300201109, 0300201481, 0300201482, 0300201528, 0300201529, 0300201575, 0300201576, 0300201577, 0300201623, 0300201624, 0300201668, 0300201811, 0300201812, 0300201813, 0300201814, 0300201858, 0300201859, 0300201860, 0300201861, 0300201862, 0300201906, 0300201907, 0300201908, 0300201909, 0300201910, 0300201954, 0300201955, 0300201956, 0300201957, 0300201958
	S/N E300002833 TO PVC2501
450AJ HC3 ³	PRIOR TO 0300336482
510AJ ¹	PRIOR TO PVC2501
520AJ ²	PRIOR TO PVC2501
600A/AJ ¹	S/N 0300064249 TO 0300332546

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STEP 1: DETERMINE MACHINE CAPABILITY

MACHINE MODEL	SERIAL NUMBERS
600AJ HC3 ³	PRIOR TO 0300332566
600S/SJ/660SJ ¹	S/N 0300061927 TO 0300332480
660SJ 1000-LB ³	PRIOR TO PVC2501
600S/660SJ HC3 ³	PRIOR TO 0300332435
660SJ 1000-LB ³	PRIOR TO PVC2501
600SC/600SJC/660SJC ¹	GRADALL CHASSIS ONLY PRIOR TO S/N 0300128000
	S/N 0300128000 TO 0300332497
670SJ SLC ³	PRIOR TO 0300333235
680S ¹	PRIOR TO PVC2501
740AJ ¹	S/N 0300071019 TO PVC2501
800A/AJ ¹	S/N 0300064432 TO 0300332544 INC. 0300062045, 0300062797, 0300063013, 0300063665, 0300064000-0300064017, 0300064390, 0300064392, 0300064411
800AJ HC3 ³	PRIOR TO 0300332570
H800AJ ³	PRIOR TO PVC2501
800S/860SJ ¹	PRIOR TO 0300332443
800S/860SJ HC3 ³	PRIOR TO 0300332756
1100S/SJP ²	PRIOR TO PVC2501
1200/1350SJP ²	PRIOR TO 0300336484
1250AJP ¹	PRIOR TO 0300336499
1500AJP ²	PRIOR TO 0300336502
1500SJ ²	PRIOR TO 0300336799
1850SJ ²	PRIOR TO 0300336504

1 For usa-manufactured machines prior to s/n 0300143650—proceed to step

2. For european-manufactured machines prior to s/n 1300006745—proceed to step 2. For all other machines—proceed to step 3.

2 Proceed to step 3.

3 Proceed to step 4.

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STEP 2: IDENTIFY REQUIREMENT FOR GROUND CONTROL

Identify the Ground Control Module style installed on the machine and perform one of the following:

If the machine is equipped with **Style A**, purchase the **Ground Control Module** listed in the table below.

If the machine is equipped with **Style B**, no additional purchase is required— **proceed to STEP 3.**



P/N format: 1600XXX



P/N format:1001XXXXXX

MACHINE MODEL	PART NUMBERS
400S/460SJ	1001149676
450/AJ SERIES II	1001149676
510AJ	1001149676
600A/AJ	1001149676
600S/SJ/660SJ	1001149676
600SC/600SJC/660SJC	1001149676
680S	1001149676
740AJ	1001149676
800A/AJ	1001149676
800S/860SJ	1001149676
1200/1350SJP	1001173353
1250AJP	1001155078
680S ¹	1001173353 PRIOR TO PVC2501

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STEP 3: IDENTIFY REQUIREMENT FOR PLATFORM CONSOLE HARNESS



Identify which platform console harness, if any, is configured on the machine.

If the machine serial number falls within the ranges in the table below, proceed to STEP 4. Otherwise proceed with STEP 3 instructions.

MACHINE MODEL	PART NUMBER
340AJ	0300235538 TO 0300336409
600A/AJ	0300235567 TO 0300332546
680S	0300243279 TO PVC2501
740AJ	0300237094 TO PVC2501
800A/AJ	0300234283 TO 0300332544
H800AJ	PRIOR TO PVC2501
H800J	0300234291 TO 0300336484
800S/860SJ	B300002039 TO PVC2501
1200SJP/1250SJP	0300234291 TO PVC2501
1250AJP	0300234289 TO 0300336499
1500SJ	0300234294 TO 0300336799
1850SJ	0300234077 TO 0300336504
H340AJ	0300226165 TO 0300332931

Instructions:

The platform console harness will be configured in one of the following three ways:

MACHINE CONFIGURATION	IMAGES	ACTION
With no connector for SkyGuard	N/A	INSTALL 6-PIN RETROFIT KIT (SEE TABLE BELOW)
With 4-pin connector for SkyGuard located outside of the platform console box	<p>4-PIN</p> 	<ul style="list-style-type: none"> For SkyBar or SkyLine Installation, no Action Required For SkyEye Installation—Install 6-pin retrofit kit (See table below)
With 6-pin connector for SkyGuard located inside of the platform console box	<p>6-PIN</p> 	0300243279 TO PVC2501

6-PIN RETROFIT HARNESS KIT	
MACHINE MODEL	PART NUMBER
340AJ, H340AJ	1001250595
400S/460SJ, 400SC/460SJC, 450A/AJ	
510AJ, 520AJ	
600A/AJ, 600S/SJ/660SJ, 600SC/600SJC/660SJC, 680S	
740AJ	
800A/AJ, 800S/860SJ	
1100S/SJP, 1200/1350SJP, 1250AJP, 1500AJP, 1500SJ, 1850SJ	

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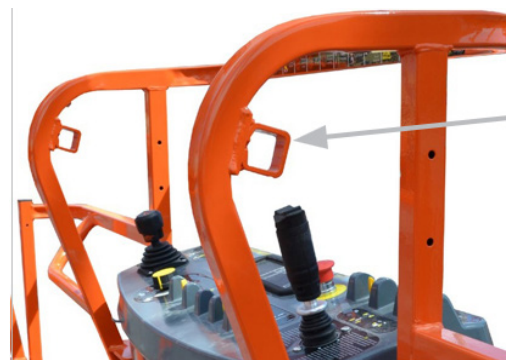


STEP 4: SELECT SKYGUARD BASED ON PLATFORM STYLE

Note: If machine is equipped with an old style platform and SkyLine or SkyEye is desired, the platform must be replaced with the latest style platform.



No squares welded into the bar



Squares welded into the bar

DESCRIPTION	PART NUMBER
SKYBAR	1001250035

MACHINE MODEL	PART NUMBER
SKYLINE ¹	1001262016
SKYBAR	1001249052
SKYEYE ²	1001247073

Notes:
 1 SkyLine is NOT approved for use on UL Spec Machines.
 2 Machines with no SkyGuard connector or with a 4-pin connector require a 6-pin retrofit kit. See STEP 3.

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STEP 5: OPTIONAL—IDENTIFY COMPATIBLE BLUE BEACON OPTION

BLUE BEACON		
MODEL	SERIAL NUMBER	PART NUMBER
340AJ	PRIOR TO S/N 0300295112	1001207140
H340AJ	ALL	1001207140
400S/460SJ	S/N 0300064507-0300203771 EXC. 0300064582, 0300064584, 0300064585, 0300184729, 0300200144, 0300200145, 0300200476, 0300200477, 0300202446, 0300202447, 0300202448, 0300202449, 0300202450, 0300203261, 0300203262, 0300203307, 0300203308, 0300203351, 0300203352, 0300203394, 0300203395, 0300203439, 0300203440, 0300203580, 0300203581, 0300203582, 0300203583, 0300203584, 0300203628, 0300203629, 0300203630, 0300203631, 0300203632, 0300203677, 0300203678, 0300203679, 0300203680, 0300203681, 0300203724, 0300203725, 0300203727, 0300203728	1001218783
	S/N 0300203771 TO PRESENT INC. 0300184729, 0300200144, 0300200145, 0300200476, 0300200477, 0300202446, 0300202447, 0300202448, 0300202449, 0300202450, 0300203261, 0300203262, 0300203307, 0300203308, 0300203351, 0300203352, 0300203394, 0300203395, 0300203439, 0300203440, 0300203580, 0300203581, 0300203582, 0300203583, 0300203584, 0300203628, 0300203629, 0300203630, 0300203631, 0300203632, 0300203677, 0300203678, 0300203679, 0300203680, 0300203681, 0300203724, 0300203725, 0300203727, 0300203728	1001203512
400S/460SJ HC3	ALL	1001294067
400SC/460SJC	ALL	1001294067
450A/AJ SERIES II	S/N 0300065080-0300160835	1001206311
	S/N 1300000001 to Present	
	Prior to S/N E300001114	
	S/N 0300160835-0300201991 exc. 0300199221, 0300199222, 0300199223, 0300199224, 0300200428, 0300201105, 0300201106, 0300201107, 0300201108, 0300201109, 0300201481, 0300201482, 0300201528, 0300201529, 0300201575, 0300201576, 0300201577, 0300201623, 0300201624, 0300201668, 0300201811, 0300201812, 0300201813, 0300201814, 0300201858, 0300201859, 0300201860, 0300201861, 0300201862, 0300201906, 0300201907, 0300201908, 0300201909, 0300201910, 0300201954, 0300201955, 0300201956, 0300201957, 0300201958	340AJ
S/N E300001114-E300002833	1001205498	

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STEP 5: OPTIONAL—IDENTIFY COMPATIBLE BLUE BEACON OPTION

BLUE BEACON		
MODEL	SERIAL NUMBER	PART NUMBER
450AJ	S/N 0300201991 to PVC2501 inc. 0300199221, 0300199222, 0300199223, 0300199224, 0300200428, 0300201105, 0300201106, 0300201107, 0300201108, 0300201109, 0300201481, 0300201482, 0300201528, 0300201529, 0300201575, 0300201576, 0300201577, 0300201623, 0300201624, 0300201668, 0300201811, 0300201812, 0300201813, 0300201814, 0300201858, 0300201859, 0300201860, 0300201861, 0300201862, 0300201906, 0300201907, 0300201908, 0300201909, 0300201910, 0300201954, 0300201955, 0300201956, 0300201957, 0300201958	1001294063
	S/N E300002833 TO PRESENT	
450AJ HC3	ALL	1001294063
510AJ	ALL	1001294061
520AJ	ALL	1001294063
600A/AJ	S/N 0300064249 TO PRESENT	1001294061
600AJ HC3	ALL	1001294061
600S/SJ/660SJ	S/N 0300061927 TO 0300272507	1001294061
600/660SJ	S/N 0300272507 TO PRESENT	1001294061
600S/660SJ HC3	ALL	1001294061
670SJ SLC	ALL	ALL
600SC/600SJC/ 660SJC	Gradall Chassis Only Prior to S/N 0300128000	1001294061
	S/N 0300061927 to 0300272507	
	S/N 0300128000 to 0300272507	1001294061
680S	ALL	1001294068
740AJ	S/N 0300071019 to Present	1001294068
800A/AJ	S/N 0300064432 to Present inc. 0300062045, 0300062797, 0300063013, 0300063665, 0300064000-0300064017, 0300064390, 0300064392, 0300064411	1001294068
800AJ HC3	ALL	1001294068
800S/860SJ	ALL	1001294068
800S/860SJ HC3	ALL	1001294068
1100S/SJP	ALL	1001294070
1200/1350SJP	ALL	1001294070

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STEP 5: OPTIONAL—IDENTIFY COMPATIBLE BLUE BEACON OPTION

BLUE BEACON		
MODEL	SERIAL NUMBER	PART NUMBER
1250AJP	ALL	1001294070
1500AJP	ALL	1001266828
1500SJ	ALL	1001294070
1850SJ	ALL	1001294064

STEP 5: OPTIONAL—IDENTIFY COMPATIBLE RED BEACON OPTION

RED BEACON		
MODEL	SERIAL NUMBER	PART NUMBER
340AJ	ALL	1001293863
H340AJ	ALL	1001293863
400S/460SJ	S/N 0300064507-0300203771 exc. 0300064582, 0300064584, 0300064585, 0300184729, 0300200144, 0300200145, 0300200476, 0300200477, 0300202446, 0300202447, 0300202448, 0300202449, 0300202450, 0300203261, 0300203262, 0300203307, 0300203308, 0300203351, 0300203352, 0300203394, 0300203395, 0300203439, 0300203440, 0300203580, 0300203581, 0300203582, 0300203583, 0300203584, 0300203628, 0300203629, 0300203630, 0300203631, 0300203632, 0300203677, 0300203678, 0300203679, 0300203680, 0300203681, 0300203724, 0300203725, 0300203727, 0300203728	1001218963
	S/N 0300203771 to Present inc. 0300184729, 0300200144, 0300200145, 0300200476, 0300200477, 0300202446, 0300202447, 0300202448, 0300202449, 0300202450, 0300203261, 0300203262, 0300203307, 0300203308, 0300203351, 0300203352, 0300203394, 0300203395, 0300203439, 0300203440, 0300203580, 0300203581, 0300203582, 0300203583, 0300203584, 0300203628, 0300203629, 0300203630, 0300203631, 0300203632, 0300203677, 0300203678, 0300203679, 0300203680, 0300203681, 0300203724, 0300203725, 0300203727, 0300203728	1001210037
400S/460SJ HC3	ALL	1001210037
400SC/460SJC	ALL	1001210037

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STEP 5: OPTIONAL—IDENTIFY COMPATIBLE RED BEACON OPTION

RED BEACON		
MODEL	SERIAL NUMBER	PART NUMBER
450A/AJ Series II	S/N 0300065080-0300160835	1001210025
	S/N 1300000001 TO PRESENT	
	PRIOR TO S/N E300001114	
	S/N 0300160835-0300201991 EXC. 0300199221, 0300199222, 0300199223, 0300199224, 0300200428, 0300201105, 0300201106, 0300201107, 0300201108, 0300201109, 0300201481, 0300201482, 0300201528, 0300201529, 0300201575, 0300201576, 0300201577, 0300201623, 0300201624, 0300201668, 0300201811, 0300201812, 0300201813, 0300201814, 0300201858, 0300201859, 0300201860, 0300201861, 0300201862, 0300201906, 0300201907, 0300201908, 0300201909, 0300201910, 0300201954, 0300201955, 0300201956, 0300201957, 0300201958	1001210038
S/N E300001114-E300002833		
450AJ	S/N 0300201991 to Present inc. 0300199221, 0300199222, 0300199223, 0300199224, 0300200428, 0300201105, 0300201106, 0300201107, 0300201108, 0300201109, 0300201481, 0300201482, 0300201528, 0300201529, 0300201575, 0300201576, 0300201577, 0300201623, 0300201624, 0300201668, 0300201811, 0300201812, 0300201813, 0300201814, 0300201858, 0300201859, 0300201860, 0300201861, 0300201862, 0300201906, 0300201907, 0300201908, 0300201909, 0300201910, 0300201954, 0300201955, 0300201956, 0300201957, 0300201958	1001294063
	S/N E300002833 TO PRESENT	
450AJ HC3	ALL	1001293868
510AJ	ALL	1001293868
520AJ	ALL	1001293868
600A/AJ	S/N 0300064249 to Present	1001293878
600AJ HC3	ALL	1001293878
600S/SJ/660SJ	S/N 0300061927 TO 0300272507	1001294061
600/660SJ	S/N 0300272507 TO PRESENT	1001294061
600S/660SJ HC3	ALL	1001293866
670SJ SLC	ALL	1001293866

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STEP 5: OPTIONAL—IDENTIFY COMPATIBLE RED BEACON OPTION

BLUE BEACON		
MODEL	SERIAL NUMBER	PART NUMBER
600SC/600SJC/ 660SJC	GRADALL CHASSIS ONLY PRIOR TO S/N 0300128000	1001293877
	S/N 0300128000 to 0300272507	
	S/N E300002833 TO PRESENT	1001293866
680S	ALL	1001293877
740AJ	S/N 0300071019 to Present	1001293877
800A/AJ	S/N 0300064432 to Present inc. 0300062045, 0300062797, 0300063013, 0300063665, 0300064000-0300064017, 0300064390, 0300064392, 0300064411	1001293877
800AJ HC3	ALL	1001293877
800S/860SJ	ALL	1001293874
800S/860SJ HC3	ALL	1001293874
1100S/SJP	ALL	1001293874
1200/1350SJP	ALL	1001293874
1250AJP	ALL	1001293874
1500AJP	ALL	1001293788
1500SJ	ALL	1001293874
1850SJ	ALL	1001293787

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