

**NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in the machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save the cost of ordering an entire kit.**

*NOTE: Numbers in parenthesis ( ) are reference numbers for parts listed in Bill of Materials.*

Installation instructions for **kit number 322289**

### SYNOPSIS:

This kit contains the parts needed to install the high rise air intake kit on S30 machines that have been converted from RTM covers to rotomold covers (kit 9007918 or 9007919 installed).

Please follow step-by-step instructions.

### SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 1.25 hours)

**IMPORTANT:** Immediately remove all UL labels and UL data plates from the machine when finished installing this kit.

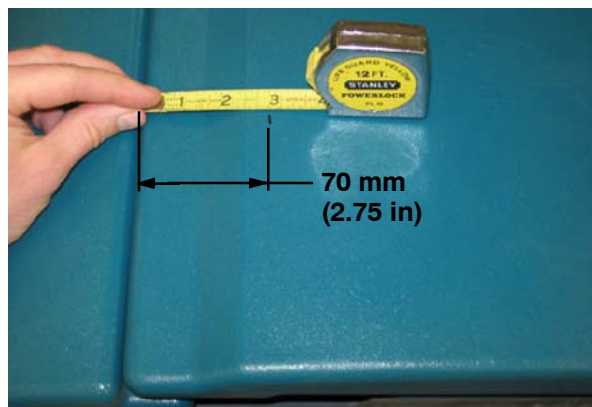
### PREPARATION:

1. Park the machine on a clean level surface, turn off the machine, remove the key, and set the parking brake.

**FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.**

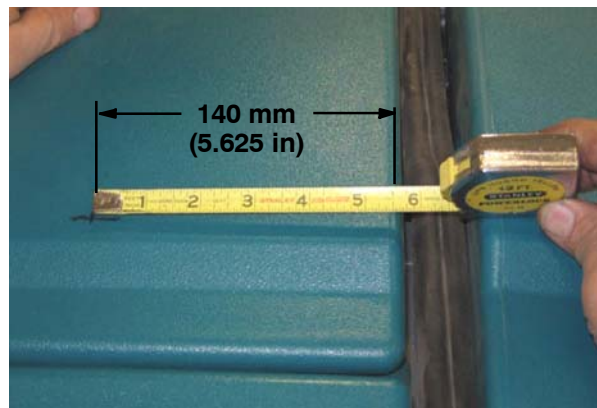
### INSTALLATION:

1. Measure and mark a point 70 mm (2.75 in) from the side of the top cover. Refer to Fig. 1 and Fig. 3.



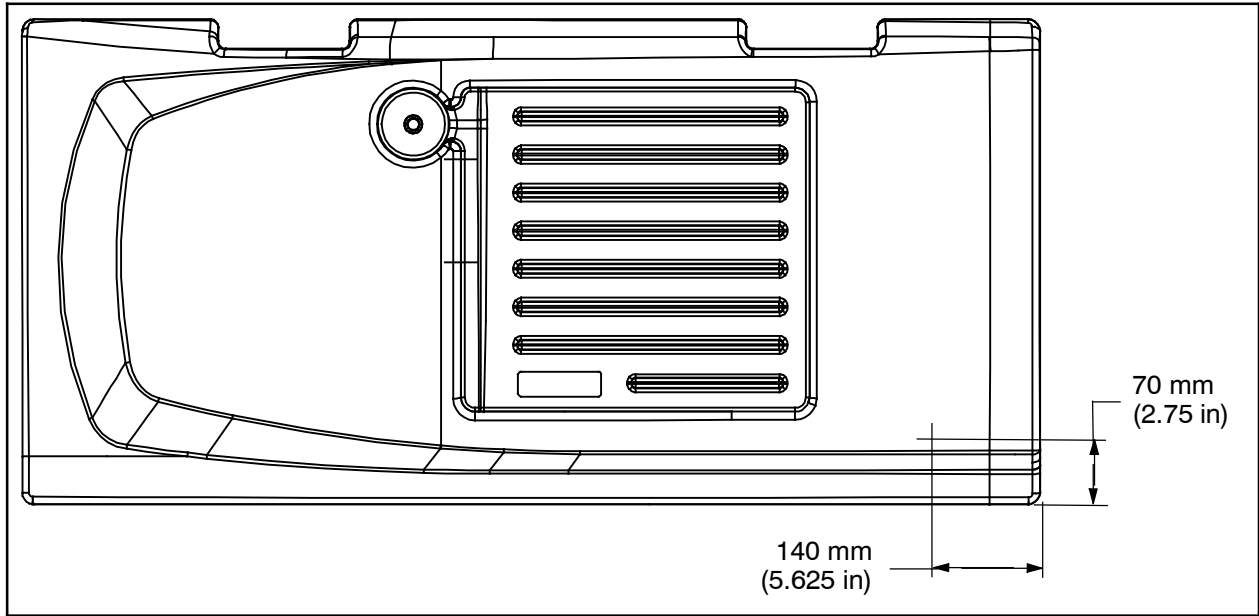
**FIG. 1**

2. Measure and mark a point 140 mm (5.625 in) from the rear of the top cover. Refer to Fig. 2 and Fig. 3.



**FIG. 2**

3. Drill a 6.4 mm (0.25 in) pilot hole into the top cover at the point measured and marked in the previous two steps. Refer to Fig. 1, Fig. 2, and Fig. 3.



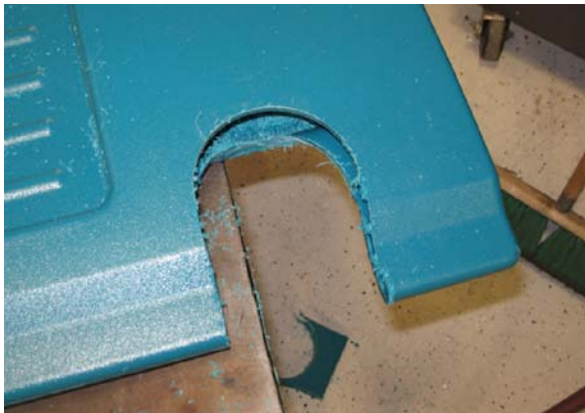
**FIG. 3**

4. Use a 102 mm (4 in) hole saw to cut the top. Refer to Fig. 3 and Fig. 4.



**FIG. 4**

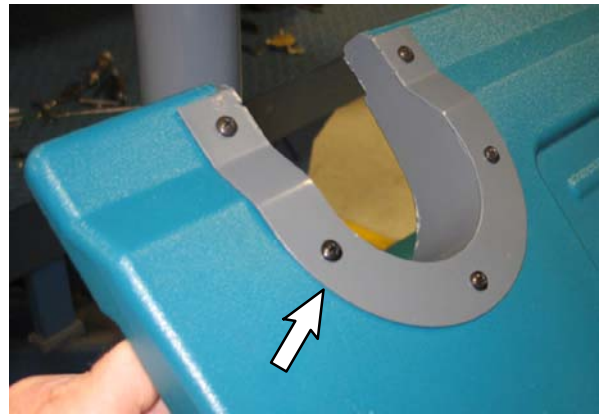
5. Cut the edge of the top cover to the hole. Refer to Fig. 5.



**FIG. 5**

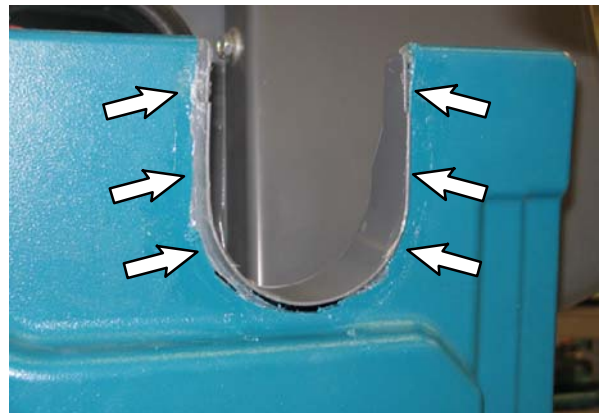
6. Remove the burrs from around the edges of the hole cut into the top cover in the previous several steps. Refer to Fig. 5.

7. Use five pan screws (6) to install the cover bracket (2) onto the top cover. Refer to Fig. 6.



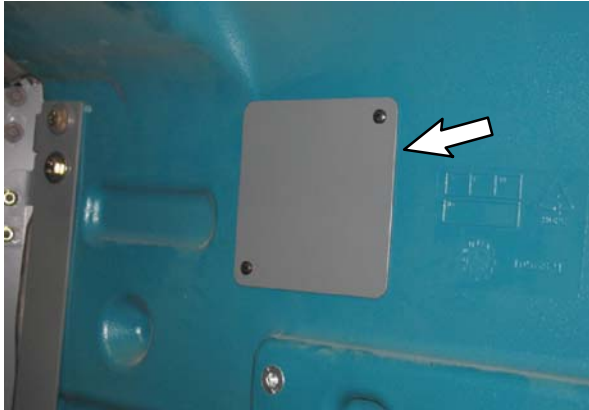
**FIG. 6**

8. Apply silicone sealant around the area where the cover bracket (2) meets the bottom of the top cover. Refer to Fig. 7.



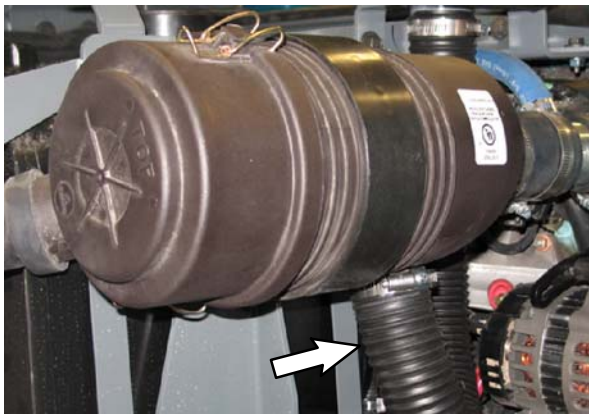
**FIG. 7**

9. Use two pan screws (6) to install the cover plate (3) onto the side cover. Refer to Fig. 8.



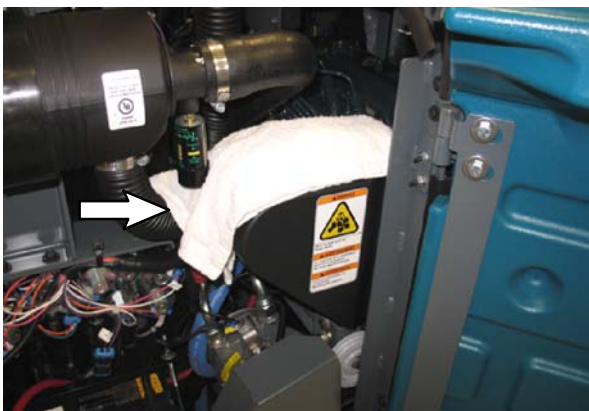
**FIG. 8**

10. Arrange the engine air filter assembly so the hose receptacle points down towards the floor. Refer to Fig. 9.



**FIG. 9**

11. Use a hose clamp to connect the hose (4) to the engine air filter assembly. Refer to Fig. 9.
12. Cover the alternator with a shop cloth or rag to prevent shavings from falling into the alternators when holes are drilled in the following steps. Refer to Fig. 10.

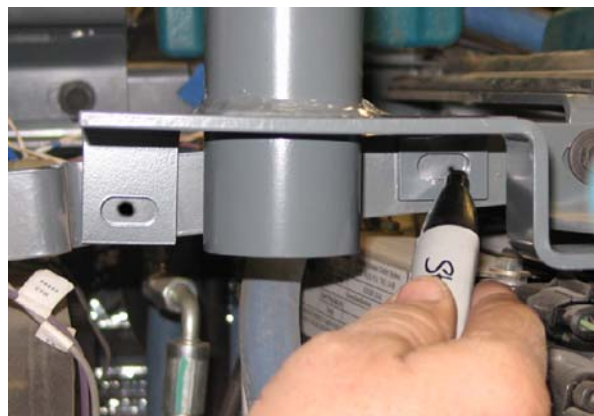


**FIG. 10**

13. Use the high rise intake bracket (1) to mark locations for three holes. Refer to Fig. 11, Fig 12, and Fig. 13.



**FIG. 11**



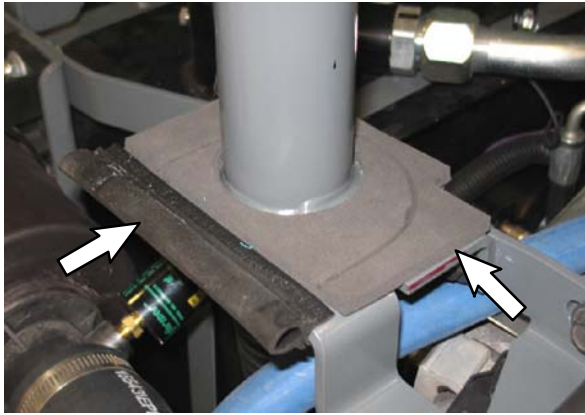
**FIG. 12**



**FIG. 13**

14. Drill a 9.00 mm (0.34 in) hole through each of the points marked in the previous step. Refer to Fig. 11, Fig 12, and Fig. 13.

15. Install the 150 mm (6 in) bulb seal (5) and high rise gasket (7) onto the high rise intake bracket (1). Refer to Fig. 14.



**FIG. 14**

16. Install the high rise filter assembly onto the high rise intake bracket (1). Refer to Fig. 15.

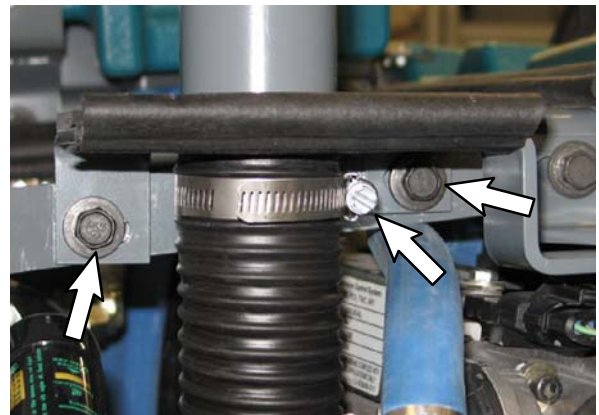


**FIG. 15**

17. Use three SEMS hex screws (8) and three hex nuts (9) to install the high rise intake bracket (1) and high rise channel (12) onto the machine. Refer to Fig. 16 and Fig. 17.



**FIG. 16**



**FIG. 17**

18. Use a hose clamp to connect the other end of the hose (4) to the high rise intake bracket (1). Refer to Fig. 17.

19. Install the 200 mm (8 in) bulb seal (11) onto the upper inner edge of the side cover. Refer to Fig. 18.

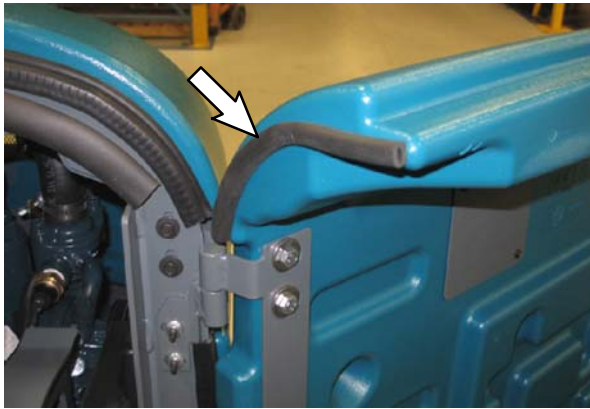


FIG. 18

20. Install the 610 mm (24 in) bulb seal (10) onto the support brace and high rise channel (12). Loop a small portion of the bulb seal around and under the top edge of the high rise channel. Refer to Fig. 19.

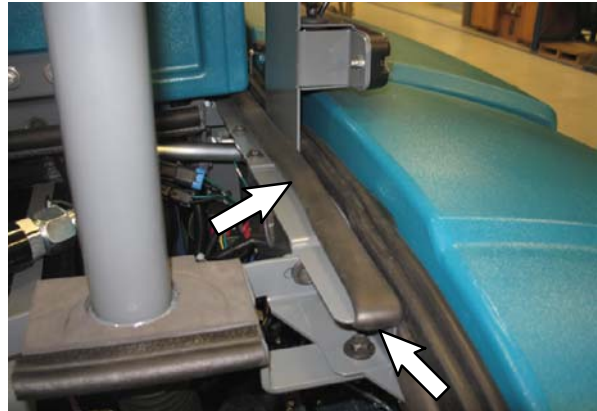


FIG. 19

**IMPORTANT:** Immediately remove all UL labels and UL data plates from the machine when finished installing this kit.

**Bill Of Materials For CS, Intake, High Rise, CI - 322289**

Ref.	Tennant Part No.	Description	Qty.
▽	322289	CS, Intake, High Rise, CI	1
▲	1 314434	CS, Bracket, Wldt, High Rise Intake	1
▲	2 314433	CS, Bracket Wldt, Cover	1
▲	3 314443	CS, Plate Cover	1
▲	4 1055604	Hose, Air-Intk, Flex , 2.0ID, 025.0L	1
▲	5 C410219	Seal, Bulb, Str, 0.58D .06-.09GRIP, Bulk - <b>150 mm (6 in)</b>	1
▲	6 382320	Screw, Pan, Phl, 12-16 X 0.50, F/ Plstc	7
▲	7 314445	CS, Gasket, High Rise	1
▲	8 1037354	Screw, Hex, M8 X 1.25 X 30, 9.8, SEMS	3
▲	9 07791	Nut, Hex, Flng, M8 X 1.25	3
▲	10 367515	Seal, Bulb, Str, 0.76H .93W Adh, Bulk - <b>610 mm (24 in)</b>	1
▲	11 376734	Seal, Bulb, Str, 0.50H .50W Adh, Bulk - <b>200 mm (8 in)</b>	1
▲	12 314455	CS, Chan, High Rise [S30]	1

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