



SDHQ Motorsports
190 S McQueen Rd
Ste 109 Gilbert, AZ 85233
www.SDHQoffroad.com

Product Packing List

Product: SDHQ-53-1103-XK70-S2

Description: SDHQ Built 22+ Toyota Tundra Remote Air Chuck and Switch Mounting Kit

_____ (1) Driver Seat Rail Air Chuck Mount	SDHQ-53-1103-XK70-S2-A
_____ (1) Passenger Seat Rail Air Chuck Mount	SDHQ-53-1103-XK70-S2-B
_____ (2) Seat Rail Spacer	SDHQ-53-1103-XK70-S2-C
_____ (1) ARB Twin 10ft Switch Harness Kit	SDHQ-02-1103-ARB-S2
_____ (1) Hardware Package	SDHQ-53-1103-XK70-S2-HP
_____ (1) Console Drilling Template	SDHQ-53-1103-XK70-S2-D
_____ (1) Console Cutting Template	SDHQ-53-1103-XK70-S2-E
_____ (2) Brass Through-Wall Connector	
_____ (2) Industrial Quick-Disconnect Hose Coupling	
_____ (1) 1/4" NPT 90-degree Adapter	
_____ (1) 3/8" Push-to-Connect Wye Fitting	
_____ (1) 3/8" Push-to-Connect Short 90-degree Fitting	
_____ (1) 3/8" Push-to-Connect Straight Fitting	
_____ (1) 21 Ft of 3/8" Air Hose	
_____ (4) 3/8" Push-to-Connect Security Clips	
_____ (1) 1 ft piece of 2" Velcro	

Inspected and Packaged By: _____ Date: _____



SDHQ Motorsports
 190 S McQueen Rd
 Ste 109 Gilbert, AZ 85233
www.SDHQoffroad.com

INSTALLATION INSTRUCTIONS

Product: SDHQ-53-1103-XK70-S2

Description: SDHQ Built 22+ Toyota Tundra Remote Air Chuck and Switch Mount

Parts List	Hardware List	Required Tools
(1) Driver Seat Rail Air Chuck Mount SDHQ-53-1103-XK70-S2-A (1) Passenger Seat Rail Air Chuck Mount SDHQ-53-1103-XK70-S2-B (2) Seat Rail Spacer SDHQ-53-1103-XK70-S2-C (1) Console Drilling Template SDHQ-53-1103-XK70-S2-D (1) Console Cutting Template SDHQ-53-1103-XK70-S2-E (1) ARB Twin 10ft Switch Harness Kit SDHQ-02-1103-ARB-S2 (1) Hardware Package SDHQ-53-1103-XK70-S2-HP	(2) Brass Through-Wall Connector (2) Industrial Quick-Disconnect Hose Coupling (1) 1/4" NPT 90-degree Adapter (1) 3/8" Push-to-Connect Wye Fitting (1) 3/8" Push-to-Connect Short 90-degree Fitting (1) 3/8" Push-to-Connect Straight Fitting (1) 21ft of 3/8" Air Hose (4) 3/8" Push-to-Connect Security Clips (1) 1 ft piece of 2" Velcro	15mm, 16mm, 17mm, and 3/4" Wrenches Torx T50 Ratchet or Impact Driver 1/8" Drill bit Drill Utility Knife Plastic Trim Tools

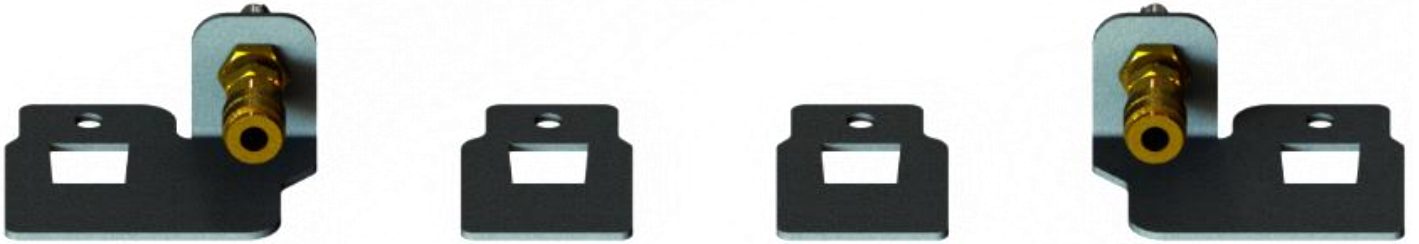
Tech Notes

Approx. Install Time: 1 Hour

READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION!

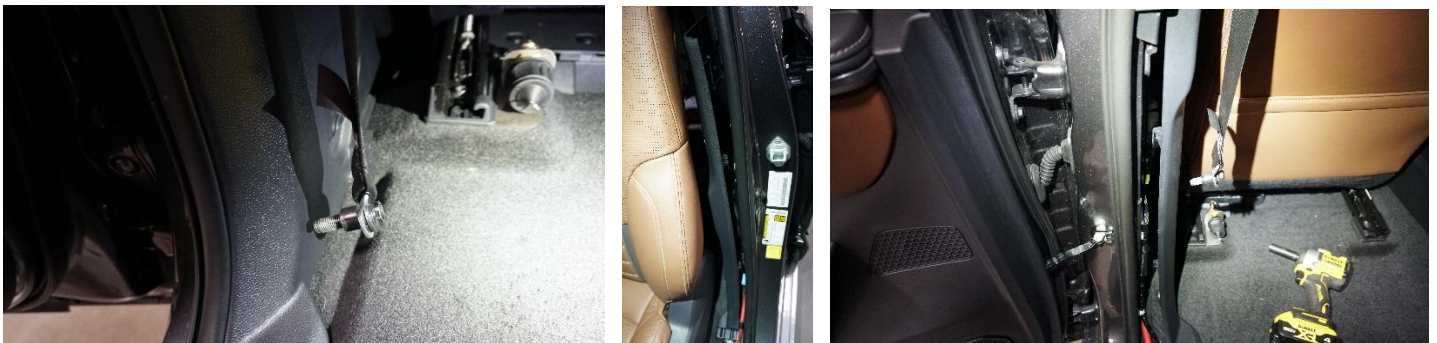
For questions or help with the installation, please email help@sdhqoffroad.com
 Store front hours: Mon. – Fri. 8:00am – 5:30pm and Sat. 9:00am – 2:00pm Arizona Time.

SDHQ-53-1103-XK70-S2



Installation Instructions:

1. Un-box your SDHQ Built 22+ Tundra ARB Air Chuck and Switch Mount and lay out the parts. Verify all parts are present and familiarize yourself with all the parts.
2. Remove the kick panel from the front driver side door.
3. Using a 14mm socket remove the bolt retaining the lower driver side seat belt. Then pull the door weather stripping back to allow for the removal of the b-pillar plastic trim.



4. Repeat steps 2-3 on the passenger side.
5. Route the tubing for the driver side from the center of the rear seat around the back of the cab and down the edge of the carpet until you reach the front door, if equipped with the JBL sound system there is an amp under the driver seat, route the air line under the carpet to the holes for the ventilation system. Then turn the tubing toward the left rear seat rail location.



For questions or help with the installation, please email help@sdhqoffroad.com
Store front hours: Mon. – Fri. 8:00am – 5:30pm and Sat. 9:00am – 2:00pm Arizona Time.



6. Route the tubing for the passenger side from the center of the rear seat around the back of the cab and down the edge of the carpet until you reach the front door and route the air line under the carpet to the holes under the right seat rail. Then turn the tubing toward the right rear seat rail location.
7. Using a T50 Torx remove the rear seat bolts for the front seats. Install the Seat rail spacers under the seat rails close to the center console. Install the Driver side seat rail air chuck mount under the outside seat rail on the driver seat. Install the Passenger side seat rail air chuck mount under the outside seat rail on the passenger seat.
8. Install the through wall connectors onto the air chuck mounts. Install the air chucks onto the through wall connectors. Install the 3/8" 90-degree-fitting on the driver side through wall connector and attach the air line. Install the 3/8" straight fitting on the passenger side through wall connector. Install the 2" Velcro over the driver side airline to protect it from passengers.
9. Pull up on the cup holders to remove. Pull out on the rear panel of the center console to remove and use a plastic clip tool to remove the clips for the wiring harness. Disconnect the electrical connections and remove the panel from the truck. Using the console templates drill and cut out a hole for the switch in the rear panel of the center console.





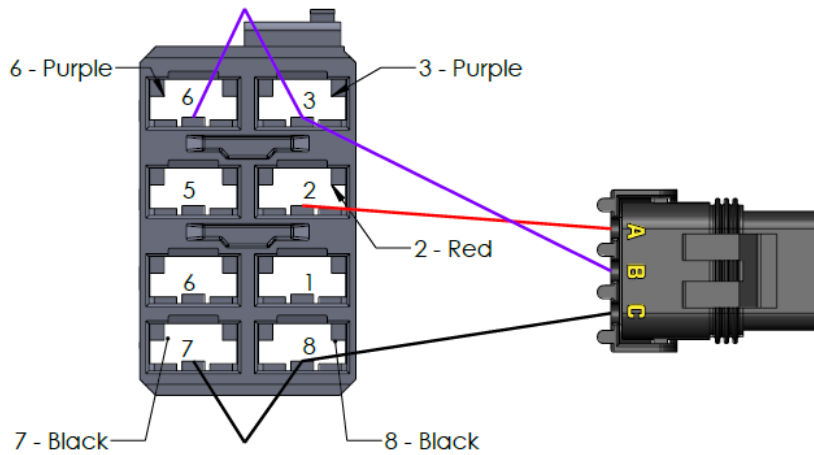
Wiring Remote Switch Harness

1. Place loom over the wires and secure in place using heat shrink.
2. Route the S2 switch harness under the rear seat storage tray or over the top of the battery. Using a flat head screw driver release the clips on the sides of the carpet in the rear on both sides. Pull up the carpet and route the harness to the rear of the center console. Cut the harness to length allowing for some slack and push back the loom to expose the Red, Purple and Black wires.
3. Using a pair of wire strippers remove about a ¼” of the wire insulation on the ends of the Red, Purple and Black wires and both ends of the 8” Purple and Black wires.
4. Using a pair of Open Barrel Crimpers, Crimp a terminal onto the end of the Red wire. Refer to Page 7.
5. Crimp a terminal onto the end of the Purple and one end of the 8” Purple wire.
6. Crimp a terminal onto the end of the Black and one end of the 8” Black wire.
7. Crimp a terminal onto the other end of the 8” Purple wire and onto the other end of the 8” Black wire.
8. Pin the Red terminal into location 2 of the Carling connector. Refer to Page 7.
9. Pin the Purple terminal with (2) wires into location 3 of the Carling connector.
10. Pin the Black terminal with (2) wires into location 8 of the Carling connector.
11. Pin the Purple terminal with (1) wire into location 6 of the Carling connector.
12. Pin the Black terminal with (1) wire into location 7 of the Carling connector.
13. Place the lengths of the 8” Purple and Black wires under the loom and secure using heat shrink.
14. Connect the Carling connector to the ARB Switch, Test and Troubleshoot if needed



15. Replace the rear panel of the center console. Reinstall the cup holders. Reinstall the carpet into the side clips.
16. Replace the plastics and test the system to ensure complete function. If there are no leaks install the 3/8" Push-to-Connect Security Clips to retain the air lines.
17. Enjoy your SDHQ Built Remote Air Chuck and Switch Mount for your 22+ Toyota Tundra.

1. Cut wires to desired length, loom with heat shrink, and strip 1/4" off both ends of each wire.
 2. Crimp (1) MP 630 20-18g Female Terminal on other end of (1) RED wire.
 Combine stripped ends of (2) BLACK wires and crimp (1) MP 630 20-18g Female Terminal onto both wires.
 Combine stripped ends of (2) PURPLE wires and crimp (1) MP 630 20-18g Female Terminal onto both wires.
 Crimp (1) MP 630 20-18g Female Terminal on other remaining ends of (1) BLACK and (1) PURPLE wire.
 3. Terminate (5) MP 630 20-18g Female Terminals into (1) 8 Position Carlington Connector and fold the PURPLE and BLACK looped wires into a smooth 180° bend.



- List per Harness:
- x1 - 8 Position Carlington Connector
 - x5 - 630 20-18g Female Terminals
 - x1 - MP 150 3 pin Female Connector
 - x1 - MP 150 3 Pin Clip Lock
 - x1 - 10' 18g Red TXL Wires
 - x1 - 10' 18g Black TXL Wires
 - x1 - 8' 18g Purple TXL Wires
 - x1 - 8' 18g Black TXL Wires
 - x1 - 15' 1/4" Flexo PET Plus Expandable Loom
 - x2 - 1" 1/4" Dual Wall Heat Shrink Tubing



PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SUPERDUTY HQ LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SUPERDUTY HQ LLC IS PROHIBITED.

NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN	
TOLERANCES:	CHECKED	
FRACTIONAL ± 1/32"	ENG APPR.	
ANGULAR: BEND ± 1 Degree	MFG APPR.	
TWO PLACE DECIMAL ± .03	G.A.	
THREE PLACE DECIMAL ± .031	COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER:		
MATERIAL		
Thickness		
DO NOT SCALE DRAWING		

TITLE:		
02-1103-ARB-S2 ARB Twin Switch Harness		
SIZE	DWG. NO.	REV
A		
SCALE: 1:1	WEIGHT:	SHEET 1 OF 1

Double check all hardware is installed correctly and tight

Re-torque ALL bolts after 100 miles

For questions or help with the installation, please email help@sdhqoffroad.com
 Store front hours: Mon. – Fri. 8:00am – 5:30pm and Sat. 9:00am – 2:00pm Arizona Time.



190 S McQueen Rd
Ste 109 Gilbert, AZ 85233
www.sdhqoffroad.com

Follow us on:



Facebook



Instagram

For questions or help with the installation, please email help@sdhqoffroad.com
Store front hours: Mon. – Fri. 8:00am – 5:30pm and Sat. 9:00am – 2:00pm Arizona Time.