



Hiniker NITRO-LERT Connected To Specific Rate Control Systems. (Hiniker 8160, JD Green Star & Raven SCS)

To order a complete NITRO-LERT System, connected directly to a rate control system order from the following GROUPS.

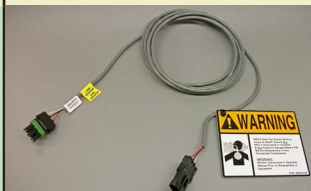


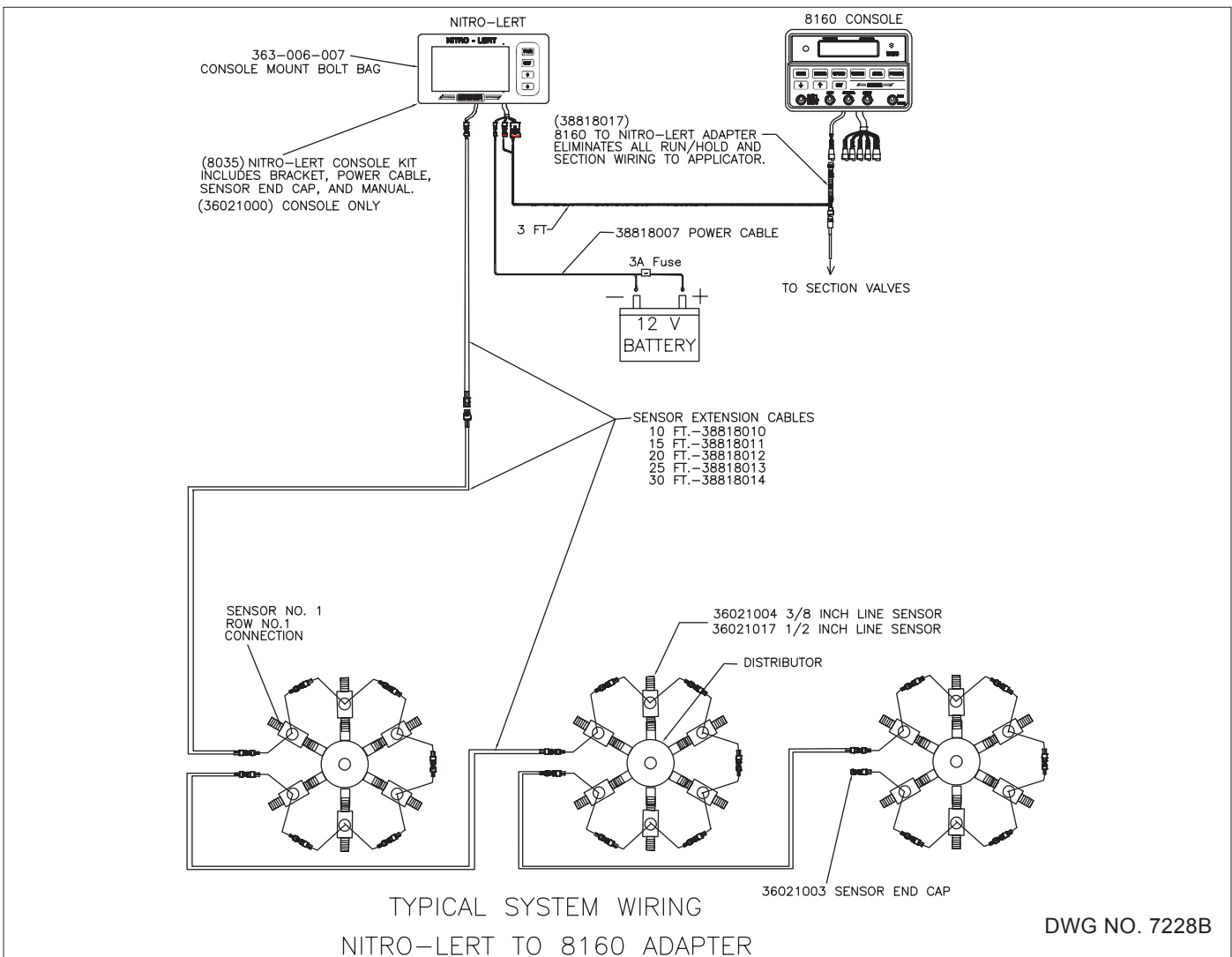
ITEM NUMBER	DESCRIPTION	APPROX. WEIGHT	
8035	GROUP 1 ***NITRO-LERT CONSOLE PACKAGE INCLUDES: NITRO-LERT console, mount kit, power cable, sensor end cap, and operators manual.	5 lbs.	
	GROUP 2 LINE SENSOR Order proper size and quantity of line sensor. Order total number of knives to be monitored. A minimum of six sensors is required.		
36021004	3/8" NITRO-LERT LINE SENSOR	8 Per lb.	
36021017	1/2" NITRO-LERT LINE SENSOR	8 Per lb.	
	GROUP 3 Order one item from group three. These adapter cables connect the Nitro-Lert to a specific NH3 rate controller to sense when the master on/off valve or any section on/off valve is switched on and off. (up to five sections) This cable adapter eliminates the need for the tractor and applicator harness and the run/hold and section hold adapters.		
38818017	Adapter cable Nitro-Lert to Hiniker model 8160 rate controller	1 lb.	
38818018	Adapter cable Nitro-lert to JD GS2 rate controller. If the JD rate controller is mounted further than 10 feet from the Nitro-Lert console order Extension cables as needed. Fits JD rate controller with 37 pin Amp Connector.	2 lbs.	
38818019	12 foot extension cable	1 lb.	
38818020	20 foot extension cable	1 lb.	
38818021	Adapter cable Nitro-Lert to Raven SCS 440,450&460 (16 pin Amp CPC connector)	1 lb.	

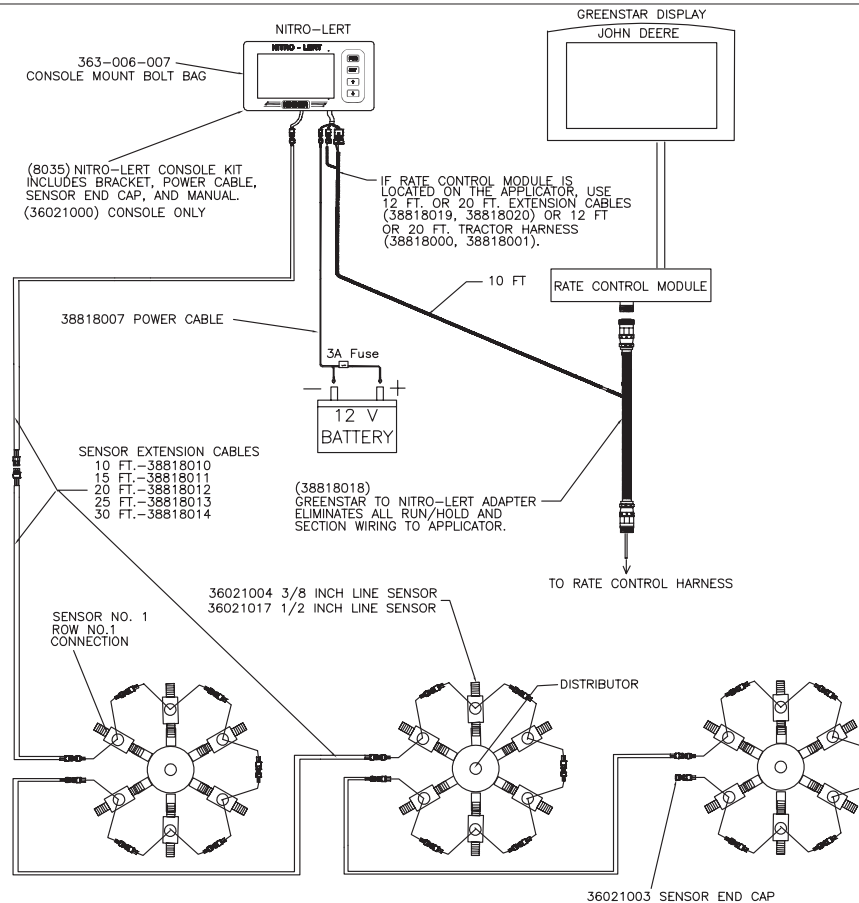


Hiniker NITRO-LERT

Connected To Specific Rate Control Systems. (Hiniker 8160, JD GS2 & Raven SCS)

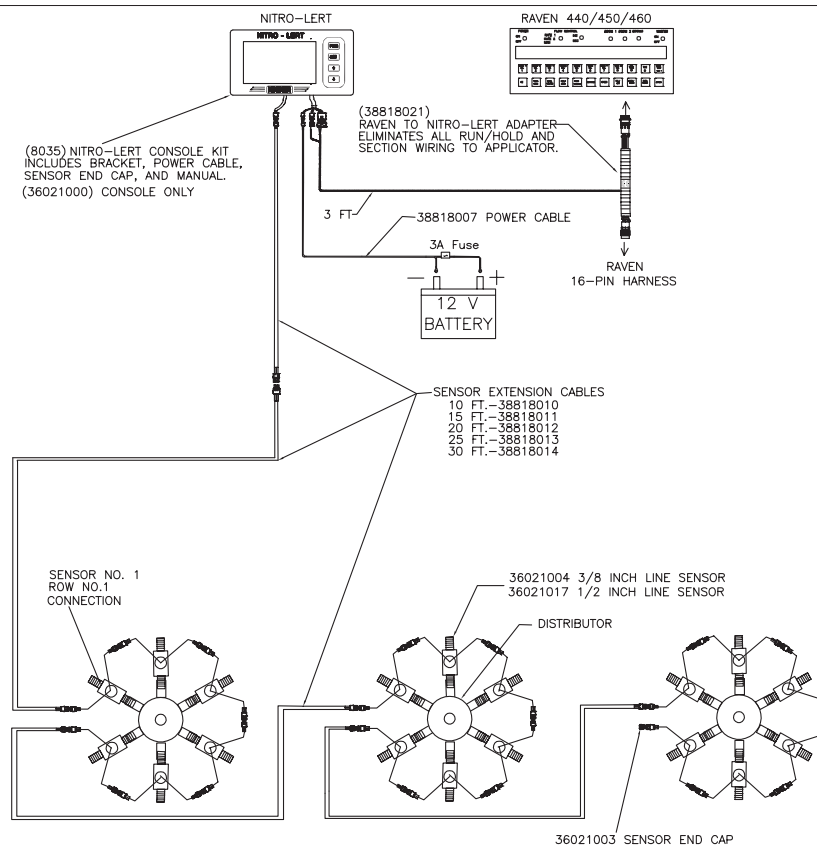
ITEM NUMBER	DESCRIPTION	APPROX. WEIGHT	
GROUP 4			
Order line sensor extension cables, as needed from the Nitro-Lert console to sensor number one on the left distributor and one for each additional distributor working from the left distributor to the distributor on the outer right of the machine.			
Example: applicator with three distributors 1- 20 foot extension from Nitro-Lert console to the hitch, 1- 30 foot cable from the hitch to the outer most distributor on the left end of the machine, 1- 15 foot cable from the left distributor to the distributor on the center of the machine, and 1- 15 foot cable from the center distributor to the right distributor.			
38818014	30 foot Line sensor extension cable.	1 lb.	
38818013	25 Foot line sensor extension.	1 lb.	
38818012	20 Foot line sensor extension.	1 lb.	
38818011	15 Foot line sensor extension.	1 lb.	
38818010	10 Foot line sensor extension.	1 lb.	





TYPICAL SYSTEM WIRING
NITRO-LERT TO GREENSTAR ADAPTER

DWG NO. 7262



TYPICAL SYSTEM WIRING
NITRO-LERT TO RAVEN SCS 440/450/460

DWG NO. 7277



Nitro-Lert Applicator Plumbing Requirements.

The Nitro-lert is a very sensitive device designed to detect deviations from one port to the next on an anhydrous ammonia distributor. If the following requirements can not be met the Nitro-Lert should not be used.

1. All hose from the distributors must be of equal length.
2. All hose from the distributors must be 3/8 or 1/2 inch ID with no splices or kinks.
3. All excess hose from the distributor must be fastened horizontally to the applicator in coils no smaller than 1.5 feet in diameter.
4. All knives must be of the same manufacturer. Inspect knife tubes for anything that may cause a distortion of flow or pressure as compared to the rest of the knives. Ensure all vapor tubes have the same size opening at the injection point, the same bend profile, and void of any flat spots or kinks that are not common to all the knife tubes.
5. Insert a rigid wire into the tube past the weld points to ensure there is no build up of weld slag.
6. A good quality distributor (manifold) is highly recommended. If multiple distributors are used they should be of the same model and manufacturer. Distributors must be mounted level.
7. Inlet piping to each distributor should be the same size. A schedule 80 tee fitting does an adequate job of dividing flow when two distributors are used. Applicators with more than 2 distributors should use flow splitters offered for sale by Squibb Taylor, John Blue, and Continental Companies.
8. Unused ports that are plugged should be spaced evenly around the distributor.
9. All outlet hose barbs on the distributor should have the same inside diameter. Hose barbs can vary from one manufacturer to the next.
10. The distributor should be cleaned regularly to ensure none of the outlets are obstructed. A filter with 20 to 30 mesh screen, installed in the feed hose from the tank will minimize obstructions in the distributor ports.