



Weather Housing Kits Fast-Response II

Kit No.	Models
PA-255102	30ROZ, 40ROZ (Cummins 4B3.9)
PA-255103	30RZ, 45RZ (Ford CSG-649)
PA-255104	50ROZ (Cummins 4BT3.9)
PA-255105	60ROZ, 80ROZ (Cummins 6BT5.9)
PA-255220	20ROZ (Perkins TK4-154)
PA-255261	20RZ (Ford LSG-423)
PA-255302	60RZ, 70RZ (Ford LSG-875)
PA-255468	100ROZ (Cummins NT 495) 125ROZ (Cummins NTA 495G1) 150ROZ (Cummins NTA 495G2)
PA-255570	80RZ (Ford LSG-875 Turbo)
PA-255571	100RZ (Ford LSG-875 Turbo)

The weather housing protects the generator set when installed out of doors. A housing assembly drawing and parts listing for each kit is included. Refer to the set of general installation instructions covering all models and follow all safety precautions when assembling.

NOTE

A battery rack kit is required for all housed generator sets. A silencer and mounting kit may also be required.

⚠ WARNING

UNIT STARTS WITHOUT NOTICE! Units with Automatic Transfer Switches start automatically. Potential injury or electrocution can result. Turn Generator Master Switch on controller to OFF position, and remove battery cables (remove negative lead first and reconnect it last) to disable generator set before working on any equipment connected to generator.

⚠ WARNING

ELECTRICAL SHOCK! Battery can cause electrical burns and shocks. Exercise reasonable care when working near the battery to avoid electrical connections through tools. Remove wristwatch, rings, and any other jewelry.

⚠ WARNING

EXPLOSIVE BATTERY GASES! The gases generated by a battery being charged are highly explosive. Do not smoke or permit flame or spark to occur near a battery at any time, particularly when it is being charged. Avoid contacting terminals with tools, etc., to

prevent burns and to prevent sparks that could cause an explosion. Remove wristwatch, rings, and any other jewelry before handling battery. Any compartment containing batteries should be well ventilated to prevent accumulation of explosive gases. To avoid sparks, do not disturb battery charger connections while battery is being charged, and always turn charger off before disconnecting.

⚠ WARNING

DANGEROUS ACID! Avoid contact with battery electrolyte. It contains acid which can eat holes in clothing, burn skin, and cause permanent damage to eyes. Always wear splash-proof safety goggles when working around the battery. If battery electrolyte is splashed in the eyes or on skin, immediately flush the affected area for 15 minutes with large quantities of clean water. In the case of eye contact, seek immediate medical aid. Never add acid to a battery once the battery has been placed in service. Doing so may result in dangerous spattering of electrolyte.

⚠ WARNING

HOT PIPING! An engine gets hot while running, and exhaust system components get extremely hot. Do not work on generator set until unit is allowed to cool.

INSTALLATION

1. Place controller master switch to OFF position. Disconnect battery of generator set, negative lead first.
2. Refer to Figure 1 or 2 for assembly drawing. All holes are predrilled in skid. Make certain housing is square before final tightening.
3. If unit is 30ROZ to 50ROZ, mount rear housing support skid with four screws, washers, lock washers, and nuts.
4. Install mounting brackets to rear of skid with four screws, washers, lock washers, and nuts.
5. Mount rear housing shroud to mounting brackets with four screws, washers, lock washers, and nuts.
6. Remove top panel from radiator shroud. Top panel will not be reused. Remove plug from panel.
7. If unit is a 20RZ or 20ROZ, remove radiator shroud. This shroud will not be reused.

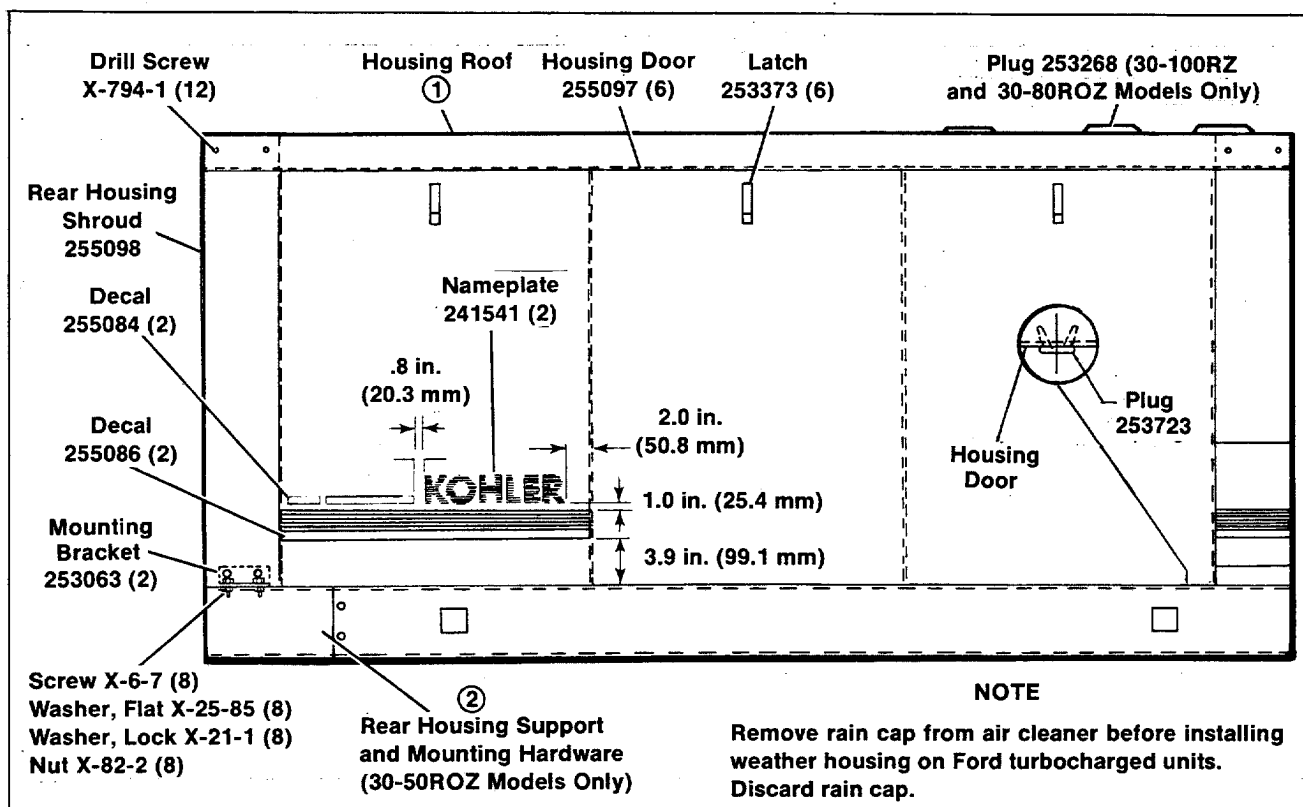


Figure 1. Housing Assembly Drawing—Typical (30-150 kW)

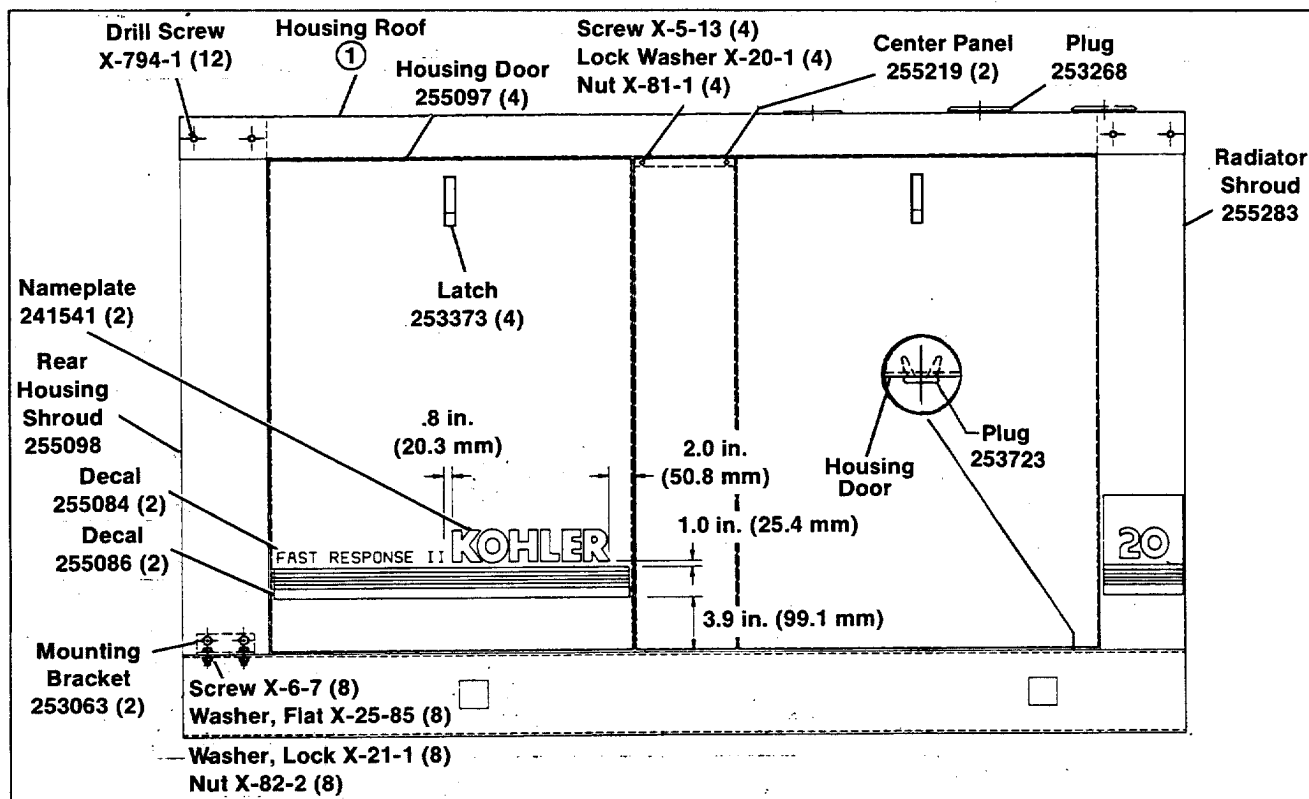


Figure 2. Housing Assembly Drawing (20 kW)

8. Remove radiator shroud and fan guard, as necessary, to install battery rack.
9. When installing battery rack and battery, see instructions with battery rack kit.
10. Replace radiator shroud and fan guard

NOTE

If unit is a 20RZ or 20ROZ, install radiator shroud from kit using existing hardware.

11. Remove silencer and silencer mounting if installed.

NOTE

The silencer and silencer mounting may not have to be completely removed in order to install housing roof.

12. If unit is a 20RZ or 20ROZ, align center panel pins in mounting holes of skid.

NOTE

Remove rain cap from air cleaner before installing weather housing on Ford turbo-charged units. Discard rain cap.

13. Install housing roof using 12 drill screws. Install the two plugs.
14. If unit is a 20RZ or 20ROZ, mount center panels to housing roof with four screws, lock washers, and nuts.
15. When installing silencer and silencer mounting, see instructions with silencer mounting kit.
16. Install latches and plastic plugs to doors.
17. Apply decals and nameplates to doors.
18. Use housing doors to check for squareness and adjust for fit.
19. Check that the controller master switch is in the OFF position. Reconnect battery, negative lead last. Install doors.

PARTS LISTING

Ref. No.	Description	Qty.	Common Parts	Kit Numbers									
				PA-255102	PA-255103	PA-255104	PA-255105	PA-255220	PA-255261	PA-255302	PA-255468	PA-255570	PA-255571
	Screw, 1/4-20 x 1/2"	4						X-5-13	X-5-13				
	Screw, 5/16-18 x 1"	8	X-6-7										
2		4		X-6-7		X-6-7							
	Washer, 1/4" Lock	4						X-20-1	X-20-1				
	Washer, 5/16" Lock	8	X-21-1										
2		4		X-21-1		X-21-1							
	Washer, 11/32" Flat	8	X-25-85										
2		4		X-25-85		X-25-85							
	Nut, 1/4-20 Hex.	4						X-81-1	X-81-1				
	Nut, 5/16-18	8	X-82-2										
2		4		X-82-2		X-82-2							
	Screw, 1/4-14 x 3/4"												
	Drill	12	X-794-1										
	Nameplate	2	241541										
	Bracket, Mounting	2	253063										
2	Support, Rear Housing	2		253064		253064							
1	Roof, Housing	1		253066	255101	253250	253251	255214	255215	255303	255466	255572	255573
	Plug	1		253268	253268	253268	253268	253268	253268	253268		253268	253268
	Latch	4						253373	253373				
		6		253373	253373	253373	253373			253373	253373	253373	253373
	Plug, Plastic	16						253723	253723				
		24		253723	253723	253723	253723			253723	253723	253723	253723
	Decal, (Fast-Response II)	2	255084										
	Decal, "Stripes"	2	255086										
	Door, Housing	4						255097	255097				
		6		255097	255097	255097	255097			255097	255097	255097	255097
	Shroud, Rear Housing	1		255098	255098	255098	255098	255098	255098	255420	255465	255420	255574
	Panel, Center	2						255219	255219				
	Shroud, Radiator	1						255283	255283				