

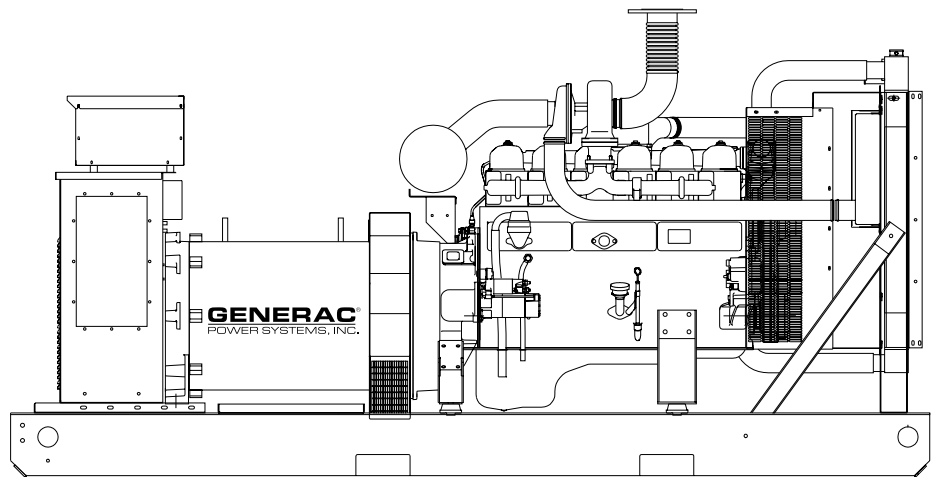
# **GENERAC**<sup>®</sup>

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## POWER SYSTEMS, INC.

2001

### Scheduled Maintenance and Service Information for Generac Standby Generators (8 kW to 2000 kW)



211 Murphy Drive • Eagle, WI • 53119

Phone: (262) 544-4811

Fax: (262) 544-0179

## FOREWORD

This service manual was created to assist the authorized Generac Power Systems dealer and service technician by providing basic information related to Generac Power Systems service. It is intended for informational purposes only and is not designed as and should not be used as a comprehensive, all-inclusive manual. Some of the maintenance tasks listed require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service dealer. If you require additional information, please contact your normal source of advisement. If you require additional materials, please order them through your normal source of distribution.

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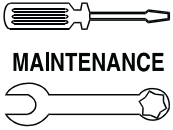
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## 8 KW - 35 KW SMALL STANDBY GENERATOR SETS

Following is a recommended maintenance schedule for Generac small standby and residential generator sets from 8 kW to 35 kW in size, and applies to both diesel engine and gas engine driven units. The established intervals in the schedule are the *maximum* recommended when the unit is used in an average service application. They will need to be decreased (performed more frequently) if the unit is used in a severe application. Use the unit hour meter or calendar time, whichever occurs first, from the previous maintenance interval to determine the next required maintenance interval.

### Service Maintenance Interval Information:

The various service maintenance intervals are designated by interval numbers as follows:

- 1 An early inspection of the generator set to insure it is ready to operate when required and to identify any potential problem areas.

*Performed monthly or following each 10 hours of operation of the unit and requires approximately .5 man-hours per unit to complete.*

*This inspection may be performed by the end user providing the following safety steps are taken to prevent the engine from starting automatically without warning:*

To prevent injury, perform the following steps in the order indicated before starting any maintenance:

- Disable the generator set from starting and/or connecting to the load by setting the control panel Auto-Off-Manual switch to the "OFF" position.
- Remove the control panel fuse.
- Turn off the battery charger.
- Remove the negative battery cable.

*The battery charger must be turned off BEFORE removing the battery cable to prevent an over current condition from burning out sensitive control panel components and circuits.*

Following all maintenance, reverse these steps to insure the unit is returned to standby setup for normal operation when required.

- 2 A break-in service inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed **ONLY ONCE** following the first three months or the first 30 hours of operation after purchase of the unit and requires approximately 2.5 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 3 An operational inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

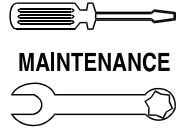
*Performed semi-annually or following each 50 hours of operation of the unit and requires approximately 1.5 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 4 A mid-level inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed annually or following each 100 hours of operation of the unit and requires approximately 4.0 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*



# GENERAC POWER SYSTEMS, INC.

## RECOMMENDED SCHEDULED MAINTENANCE PROGRAM SERVICE WORK TO BE PERFORMED BY FACTORY-TRAINED PERSONNEL ONLY.

| <u>DEALER INFORMATION</u> |
|---------------------------|
| NAME: _____               |
| ACCOUNT #: _____          |
| ADDRESS: _____            |
| _____                     |
| PHONE: _____              |
| TECHNICIAN: _____         |
| SIGNATURE: _____          |

| <u>OWNER INFORMATION</u> |
|--------------------------|
| NAME: _____              |
| ADDRESS: _____           |
| _____                    |
| SITE: _____              |
| PHONE: _____             |
| SIGNATURE: _____         |

PURCHASE DATE: \_\_\_\_\_ START-UP DATE: \_\_\_\_\_

APPLICATION:    \_\_\_ Standby Power            \_\_\_ Prime Power            \_\_\_ Rental/Trailerized

### GENERATOR & TRANSFER SWITCH INFORMATION

| <u>GENERATOR</u>     |
|----------------------|
| MODEL NUMBER: _____  |
| SERIAL NUMBER: _____ |

| <u>TRANSFER SWITCH</u> |
|------------------------|
| MODEL NUMBER: _____    |
| SERIAL NUMBER: _____   |

HOURLY METER READING *at Completion of the Inspection*: \_\_\_\_\_

### **▲ WARNING! ▲**

To prevent injury, perform the following steps in the order indicated before starting any maintenance:

- Disable the generator set from starting and/or connecting to the load by setting the control panel Auto-Off-Manual switch to the "OFF" position.
- Remove the control panel fuse.
- Turn off the battery charger.
- Remove the negative battery cable.

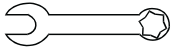
### NOTE:

*The battery charger must be turned off BEFORE removing the battery cable to prevent an over current condition from burning out sensitive control panel components and circuits.*

Following all maintenance, reverse these steps to insure the unit is returned to standby setup for normal operation when required.



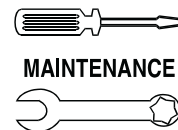
**MAINTENANCE**



**Section 1 – 8 kW to 35 kW**

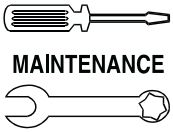
**GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION**

| Maintenance Tasks  | Level 1                                 | Task Comp. (Date-Initials) | Level 2  | Task Comp. (Date-Initials) | Level 3                                    | Task Comp. (Date-Initials) | Level 4                                | Task Comp. (Date-Initials) |
|--|---|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|
|  | Recommended to be done monthly/ 10 hrs. |                            | Required to be done 3 months/ Break-in 30 hrs. |                            | Required to be done Semi-annually/ 50 hrs. |                            | Required to be done Annually/ 100 hrs. |                            |
| 1. Disable the unit from operating per the first page warning.   | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 2. Check the engine oil level. Adjust as necessary.  | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 3. Check the engine coolant level. Adjust as necessary.  | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 4. Check the engine coolant thermal protection level. Correct as necessary.  |   |                            |  |                            |  |                            | <input type="checkbox"/>               |                            |
| 5. Check the natural gas delivery system on gas engine driven units. Tighten connections as necessary.                         |   |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 6. Check the diesel fuel supply level for diesel engine driven units. Fill as necessary.                                       | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 7. Drain water and sediment from the diesel fuel tank on diesel engine driven units.   |   |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 8. Drain water from the fuel line water separator on diesel engine driven units if the unit is equipped with one.              |   |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 9. Check the air inlets and outlets for debris. Clean as necessary.  | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 10. Check the battery electrolyte level if accessible. Adjust as necessary.  | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 11. Check the battery posts, cables, and charger for loose connections, corrosion, and proper operation. Correct as necessary. | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 12. Check the unit wiring for loose connections, corrosion, and damage. Correct as necessary.                                  |   |                            |  |                            |  |                            | <input type="checkbox"/>               |                            |
| 13. Check the engine accessory drive belts for wear, weather cracking, and damage. Replace as necessary.                       |   |                            |  |                            |  |                            | <input type="checkbox"/>               |                            |



MAINTENANCE

| Maintenance Tasks   | Level 1                                 | Task Comp. (Date-Initials) | Level 2  | Task Comp. (Date-Initials) | Level 3                                    | Task Comp. (Date-Initials) | Level 4                                | Task Comp. (Date-Initials) |
|---|---|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|
|   | Recommended to be done monthly/ 10 hrs. |                            | Required to be done 3 months/ Break-in 30 hrs. |                            | Required to be done Semi-annually/ 50 hrs. |                            | Required to be done Annually/ 100 hrs. |                            |
| 14. Visually inspect the unit looking for leaks, wear or damage, loose connections or components, and corrosion. Correct as necessary.  | ○                                       |                            | ○  |                            | ○  |                            | ○                                      |                            |
| 15. Test the engine and transfer switch safety devices. Correct and/or adjust as necessary.   |   |                            |  |                            |  |                            | ○                                      |                            |
| 16. Initiate an automatic start and transfer of the unit to site load and exercise it for at least 1 hour looking for leaks, loose connections or components, and abnormal operating conditions. Correct as necessary.                |   |                            | ○  |                            | ○  |                            |  |                            |
| 17. Start and exercise the unit at full rated load (use a load bank if the site load is not enough) for at least 2 hours looking for leaks, loose connections or components, and abnormal operating conditions. Correct as necessary. |   |                            |  |                            |  |                            | ○                                      |                            |
| 18. Change the engine oil.  |   |                            | ○  |                            |  |                            | ○                                      |                            |
| 19. Replace the engine oil filter(s).   |   |                            | ○  |                            |  |                            | ○                                      |                            |
| 20. Replace the engine air filter(s).   |   |                            |  |                            |  |                            | ○                                      |                            |
| 21. Replace the engine fuel filter(s) on diesel engine driven units and re-prime the fuel system.   |   |                            | ○  |                            |  |                            | ○                                      |                            |
| 22. Check the engine spark plugs on gas engine driven units. Clean and re-gap or replace as necessary.  |   |                            | ○  |                            |  |                            | ○                                      |                            |
| 23. Perform a 5 minute no-load operational run of the unit looking for any post service problems.   |   |                            | ○  |                            |  |                            | ○                                      |                            |
| 24. Return the unit to standby setup for operation when required.   | ○                                       |                            | ○  |                            | ○  |                            | ○                                      |                            |



## 35 KW - 200 KW STANDBY GAS ENGINE DRIVEN GENERATOR SETS

Following is a recommended maintenance schedule for Generac standby gas engine driven generator sets from 35 kW to 200 kW in size. The established intervals in the schedule are the *maximum* recommended when the unit is used in an average service application. They will need to be decreased (performed more frequently) if the unit is used in a severe application. Use the unit hour meter or calendar time, whichever occurs first, from the previous maintenance interval to determine the next required maintenance interval.

### Service Maintenance Interval Information:

The various service maintenance intervals are designated by interval numbers as follows:

- 1 An early inspection of the generator set to insure it is ready to operate when required and to identify any potential problem areas.

*Performed monthly or following each 10 hours of operation of the unit and requires approximately .5 man-hours per unit to complete.*

*This inspection may be performed by the end user providing the following safety steps are taken to prevent the engine from starting automatically without warning:*

To prevent injury, perform the following steps in the order indicated before starting any maintenance:

- Disable the generator set from starting and/or connecting to the load by setting the control panel Auto-Off-Manual switch to the "OFF" position.
- Remove the control panel fuse.
- Turn off the battery charger.
- Remove the negative battery cable.

*The battery charger must be turned off BEFORE removing the battery cable to prevent an over current condition from burning out sensitive control panel components and circuits.*

Following all maintenance, reverse these steps to insure the unit is returned to standby setup for normal operation when required.

- 2 A break-in service inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed **ONLY ONCE** following the first three months or the first 30 hours of operation after purchase of the unit and requires approximately 2.5 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 3 An operational inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed semi-annually or following each 50 hours of operation of the unit and requires approximately 1.5 man-hours per unit to complete.*

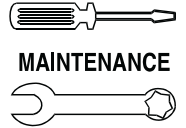
*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 4 A mid-level inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed annually or following each 100 hours of operation of the unit and requires approximately 5.0 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

**NOTE: Add 20% to all times for 8 cylinder or larger engines.**



# GENERAC POWER SYSTEMS, INC.

## RECOMMENDED SCHEDULED MAINTENANCE PROGRAM SERVICE WORK TO BE PERFORMED BY FACTORY-TRAINED PERSONNEL ONLY.

| <u>DEALER INFORMATION</u> |
|---------------------------|
| NAME: _____               |
| ACCOUNT #: _____          |
| ADDRESS: _____            |
| _____                     |
| PHONE: _____              |
| TECHNICIAN: _____         |
| SIGNATURE: _____          |

| <u>OWNER INFORMATION</u> |
|--------------------------|
| NAME: _____              |
| ADDRESS: _____           |
| _____                    |
| SITE: _____              |
| PHONE: _____             |
| SIGNATURE: _____         |

PURCHASE DATE: \_\_\_\_\_ START-UP DATE: \_\_\_\_\_

APPLICATION:    \_\_\_ Standby Power            \_\_\_ Prime Power            \_\_\_ Rental/Trailerized

### GENERATOR & TRANSFER SWITCH INFORMATION

| <u>GENERATOR</u>     |
|----------------------|
| MODEL NUMBER: _____  |
| SERIAL NUMBER: _____ |

| <u>TRANSFER SWITCH</u> |
|------------------------|
| MODEL NUMBER: _____    |
| SERIAL NUMBER: _____   |

HOOR METER READING *at Completion of the Inspection*: \_\_\_\_\_

### **▲ WARNING! ▲**

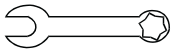
To prevent injury, perform the following steps in the order indicated before starting any maintenance:

- Disable the generator set from starting and/or connecting to the load by setting the control panel Auto-Off-Manual switch to the "OFF" position.
- Remove the control panel fuse.
- Turn off the battery charger.
- Remove the negative battery cable.

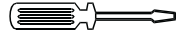
### NOTE:

*The battery charger must be turned off BEFORE removing the battery cable to prevent an over current condition from burning out sensitive control panel components and circuits.*

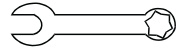
Following all maintenance, reverse these steps to insure the unit is returned to standby setup for normal operation when required.

**MAINTENANCE****Section 2 – 35 kW to 200 kW Gas****GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION**

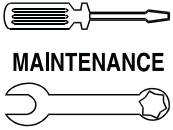
| Maintenance Tasks  | Level 1                                 | Task Comp. (Date-Initials) | Level 2  | Task Comp. (Date-Initials) | Level 3                                    | Task Comp. (Date-Initials) | Level 4                                | Task Comp. (Date-Initials) |
|--|---|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|
|  | Recommended to be done monthly/ 10 hrs. |                            | Required to be done 3 months/ Break-in 30 hrs. |                            | Required to be done Semi-annually/ 50 hrs. |                            | Required to be done Annually/ 100 hrs. |                            |
| 1. Disable the unit from operating per the first page warning.   | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 2. Check the engine oil level. Adjust as necessary.  | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 3. Check the engine coolant level. Adjust as necessary.  | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 4. Check the engine coolant thermal protection level. Correct as necessary.  |   |                            |  |                            |  |                            | <input type="checkbox"/>               |                            |
| 5. Check the natural gas delivery system. Tighten connections as necessary.  |   |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 6. Check the air inlets and outlets for debris. Clean as necessary.  | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 7. Check the battery electrolyte level if accessible. Adjust as necessary.   | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 8. Check the battery posts, cables, and charger for loose connections, corrosion, and proper operation. Correct as necessary.          | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 9. Check the unit wiring for loose connections, corrosion, and damage. Correct as necessary.   |   |                            |  |                            |  |                            | <input type="checkbox"/>               |                            |
| 10. Check the engine accessory drive belts for wear, weather cracking and damage. Replace as necessary.                                |   |                            |  |                            |  |                            | <input type="checkbox"/>               |                            |
| 11. Visually inspect the unit looking for leaks, wear or damage, loose connections or components, and corrosion. Correct as necessary. | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 12. Test the engine and transfer switch safety devices. Correct and/or adjust as necessary.  |   |                            |  |                            |  |                            | <input type="checkbox"/>               |                            |



MAINTENANCE



| Maintenance Tasks   | Level 1                                 | Task Comp. (Date-Initials) | Level 2  | Task Comp. (Date-Initials) | Level 3                                    | Task Comp. (Date-Initials) | Level 4                                | Task Comp. (Date-Initials) |
|---|---|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|
|   | Recommended to be done monthly/ 10 hrs. |                            | Required to be done 3 months/ Break-in 30 hrs. |                            | Required to be done Semi-annually/ 50 hrs. |                            | Required to be done Annually/ 100 hrs. |                            |
| 13. Initiate an automatic start and transfer of the unit to site load and exercise it for at least 1 hour looking for leaks, loose connections or components, and abnormal operating conditions. Correct as necessary.                |   |                            | ●  |                            | ●  |                            |  |                            |
| 14. Start and exercise the unit at full rated load (use a load bank if the site load is not enough) for at least 2 hours looking for leaks, loose connections or components, and abnormal operating conditions. Correct as necessary. |   |                            |  |                            |  |                            | ●                                      |                            |
| 15. Change the engine oil.  |   |                            | ●  |                            |  |                            | ●                                      |                            |
| 16. Replace the engine oil filter(s).   |   |                            | ●  |                            |  |                            | ●                                      |                            |
| 17. Replace the engine air filter(s).   |   |                            |  |                            |  |                            | ●                                      |                            |
| 18. Check the engine spark plugs. Clean and re-gap or replace as necessary.   |   |                            | ●  |                            |  |                            | ●                                      |                            |
| 19. Perform a 5 minute no-load operational run of the unit looking for any post service problems.   |   |                            | ●  |                            |  |                            | ●                                      |                            |
| 20. Return the unit to standby setup for operation when required.   | ●                                       |                            | ●  |                            | ●  |                            | ●                                      |                            |



## 40 KW - 400 KW STANDBY DIESEL ENGINE DRIVEN GENERATOR SETS

Following is a recommended maintenance schedule for Generac standby diesel engine driven generator sets from 40 kW to 400 kW in size. The established intervals in the schedule are the *maximum* recommended when the unit is used in an average service application. They will need to be decreased (performed more frequently) if the unit is used in a severe application. Use the unit hour meter or calendar time, whichever occurs first, from the previous maintenance interval to determine the next required maintenance interval.

### Service Maintenance Interval Information:

The various service maintenance intervals are designated by interval numbers as follows:

- 1 An early inspection of the generator set to insure it is ready to operate when required and to identify any potential problem areas.

*Performed monthly or following each 10 hours of operation of the unit and requires approximately .5 man-hours per unit to complete.*

*This inspection may be performed by the end user providing the following safety steps are taken to prevent the engine from starting automatically without warning:*

To prevent injury, perform the following steps in the order indicated before starting any maintenance:

- Disable the generator set from starting and/or connecting to the load by setting the control panel Auto-Off-Manual switch to the "OFF" position.
- Remove the control panel fuse.
- Turn off the battery charger.
- Remove the negative battery cable.

*The battery charger must be turned off BEFORE removing the battery cable to prevent an over current condition from burning out sensitive control panel components and circuits.*

Following all maintenance, reverse these steps to insure the unit is returned to standby setup for normal operation when required.

- 2 A break-in service inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed **ONLY ONCE** following the first three months or the first 30 hours of operation after purchase of the unit and requires approximately 2.5 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 3 An operational inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed semi-annually or following each 50 hours of operation of the unit and requires approximately 1.5 man-hours per unit to complete.*

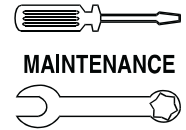
*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 4 A mid-level inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed annually or following each 100 hours of operation of the unit and requires approximately 5.0 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

**NOTE:** Add 20% to all times for 8 cylinder or larger engines.



# GENERAC POWER SYSTEMS, INC.

## RECOMMENDED SCHEDULED MAINTENANCE PROGRAM

SERVICE WORK TO BE PERFORMED BY FACTORY-TRAINED PERSONNEL ONLY.

### DEALER INFORMATION

NAME: \_\_\_\_\_  
ACCOUNT #: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
PHONE: \_\_\_\_\_  
TECHNICIAN: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_

### OWNER INFORMATION

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
SITE: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_

PURCHASE DATE: \_\_\_\_\_ START-UP DATE: \_\_\_\_\_

APPLICATION:    \_\_\_ Standby Power            \_\_\_ Prime Power            \_\_\_ Rental/Trailerized

### GENERATOR & TRANSFER SWITCH INFORMATION

#### GENERATOR

MODEL NUMBER: \_\_\_\_\_  
SERIAL NUMBER: \_\_\_\_\_

#### TRANSFER SWITCH

MODEL NUMBER: \_\_\_\_\_  
SERIAL NUMBER: \_\_\_\_\_

HOOR METER READING *at Completion of the Inspection*: \_\_\_\_\_

### **▲ WARNING! ▲**

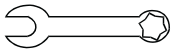
To prevent injury, perform the following steps in the order indicated before starting any maintenance:

- Disable the generator set from starting and/or connecting to the load by setting the control panel Auto-Off-Manual switch to the "OFF" position.
- Remove the control panel fuse.
- Turn off the battery charger.
- Remove the negative battery cable.

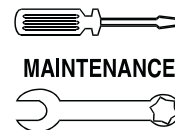
### NOTE:

*The battery charger must be turned off BEFORE removing the battery cable to prevent an over current condition from burning out sensitive control panel components and circuits.*

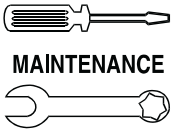
Following all maintenance, reverse these steps to insure the unit is returned to standby setup for normal operation when required.

**MAINTENANCE****Section 3 – 40 kW to 400 kW Diesel****GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION**

| Maintenance Tasks  | Level 1                                 | Task Comp. (Date-Initials) | Level 2  | Task Comp. (Date-Initials) | Level 3                                    | Task Comp. (Date-Initials) | Level 4                                | Task Comp. (Date-Initials) |
|--|---|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|
|  | Recommended to be done monthly/ 10 hrs. |                            | Required to be done 3 months/ Break-in 30 hrs. |                            | Required to be done Semi-annually/ 50 hrs. |                            | Required to be done Annually/ 100 hrs. |                            |
| 1. Disable the unit from operating per the first page warning.   | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 2. Check the engine oil level. Adjust as necessary.  | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 3. Check the engine coolant level. Adjust as necessary.  | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 4. Check the engine coolant thermal protection level. Correct as necessary.  |   |                            |  |                            |  |                            | <input type="checkbox"/>               |                            |
| 5. Check the diesel fuel supply level. Fill as necessary.  | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 6. Drain water and sediment from the diesel fuel tank.   |   |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 7. Drain water from the fuel line water separator if the unit is equipped with one.  |   |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 8. Check the air inlets and outlets for debris. Clean as necessary.  | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 9. Check the battery electrolyte level if accessible. Adjust as necessary.   | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 10. Check the battery posts, cables, and charger for loose connections, corrosion, and proper operation. Correct as necessary.         | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 11. Check the unit wiring for loose connections, corrosion, and damage. Correct as necessary.  |   |                            |  |                            |  |                            | <input type="checkbox"/>               |                            |
| 12. Check the engine accessory drive belts for wear, weather cracking, and damage. Replace as necessary.                               |   |                            |  |                            |  |                            | <input type="checkbox"/>               |                            |
| 13. Visually inspect the unit looking for leaks, wear or damage, loose connections or components, and corrosion. Correct as necessary. | <input type="checkbox"/>                |                            | <input type="checkbox"/>                       |                            | <input type="checkbox"/>                   |                            | <input type="checkbox"/>               |                            |
| 14. Test the engine and transfer switch safety devices. Correct and/or adjust as necessary.  |   |                            |  |                            |  |                            | <input type="checkbox"/>               |                            |



| Maintenance Tasks   | Level 1                                 | Task Comp. (Date-Initials) | Level 2  | Task Comp. (Date-Initials) | Level 3                                    | Task Comp. (Date-Initials) | Level 4                                | Task Comp. (Date-Initials) |
|---|---|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|
|   | Recommended to be done monthly/ 10 hrs. |                            | Required to be done 3 months/ Break-in 30 hrs. |                            | Required to be done Semi-annually/ 50 hrs. |                            | Required to be done Annually/ 100 hrs. |                            |
| 15. Initiate an automatic start and transfer of the unit to site load and exercise it for at least 1 hour looking for leaks, loose connections or components, and abnormal operating conditions. Correct as necessary.                |   |                            | ●  |                            | ●  |                            |  |                            |
| 16. Start and exercise the unit at full rated load (use a load bank if the site load is not enough) for at least 2 hours looking for leaks, loose connections or components, and abnormal operating conditions. Correct as necessary. |   |                            |  |                            |  |                            | ●                                      |                            |
| 17. Change the engine oil.  |   |                            | ●  |                            |  |                            | ●                                      |                            |
| 18. Replace the engine oil filter(s).   |   |                            | ●  |                            |  |                            | ●                                      |                            |
| 19. Replace the engine fuel filter(s) and re-prime the fuel system.   |   |                            | ●  |                            |  |                            | ●                                      |                            |
| 20. Replace the engine air filter(s).   |   |                            |  |                            |  |                            | ●                                      |                            |
| 21. Perform a 5 minute no-load operational run of the unit looking for any post service problems.   |   |                            | ●  |                            |  |                            | ●                                      |                            |
| 22. Return the unit to standby setup for operation when required.   | ●                                       |                            | ●  |                            | ●  |                            | ●                                      |                            |



## 500 KW AND 950 KW STANDBY NATURAL GAS ENGINE DRIVEN GENERATOR SETS

Following is a recommended maintenance schedule for Generac 500 kW and 950 kW standby natural gas engine driven generator sets. The established intervals in the schedule are the *maximum* recommended when the unit is used in an average service application. They will need to be decreased (performed more frequently) if the unit is used in a severe application. Use the unit hour meter or calendar time, whichever occurs first, from the previous maintenance interval to determine the next required maintenance interval.

### Service Maintenance Interval Information:

The various service maintenance intervals are designated by interval numbers as follows:

- 1 An early inspection of the generator set to insure it is ready to operate when required and to identify any potential problem areas.

*Performed monthly or following each 10 hours of operation of the unit and requires approximately .5 man-hours per unit to complete.*

*This inspection may be performed by the end user providing the following safety steps are taken to prevent the engine from starting automatically without warning:*

To prevent injury, perform the following steps in the order indicated before starting any maintenance:

- Disable the generator set from starting and/or connecting to the load by setting the control panel Auto-Off-Manual switch to the "OFF" position.
- Remove the control panel fuse.
- Turn off the battery charger.
- Remove the negative battery cable.

**The battery charger must be turned off BEFORE removing the battery cable to prevent an over current condition from burning out sensitive control panel components and circuits.**

Following all maintenance, reverse these steps to insure the unit is returned to standby setup for normal operation when required.

- 2 A break-in service inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed **ONLY ONCE** following the first six months or the first 50 hours of operation after purchase of the unit and requires approximately 3.0 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 3 An operational inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed semi-annually or following each 50 hours of operation of the unit and requires approximately 1.5 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 4 A mid-level inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed annually or following each 100 hours of operation of the unit and requires approximately 4.0 man-hours per unit to complete.*

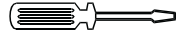
*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 5 A comprehensive inspection of the generator set to insure it is properly serviced and ready to operate and carry the load when required, and to identify any potential problem areas.

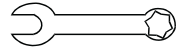
*Performed biannually or following each 250 hours of operation of the unit and requires approximately 8.0 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

**NOTE:** Times indicated are for the 8 cylinder unit. Add 20% to all times for the 16 cylinder unit.



MAINTENANCE



# GENERAC POWER SYSTEMS, INC.

## RECOMMENDED SCHEDULED MAINTENANCE PROGRAM

SERVICE WORK TO BE PERFORMED BY FACTORY-TRAINED PERSONNEL ONLY.

### DEALER INFORMATION

NAME: \_\_\_\_\_  
 ACCOUNT #: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 TECHNICIAN: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_

### OWNER INFORMATION

NAME: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 \_\_\_\_\_  
 SITE: \_\_\_\_\_  
 PHONE: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_

PURCHASE DATE: \_\_\_\_\_ START-UP DATE: \_\_\_\_\_

APPLICATION:    \_\_\_ Standby Power            \_\_\_ Prime Power            \_\_\_ Rental/Trailerized

## GENERATOR & TRANSFER SWITCH INFORMATION

### GENERATOR

MODEL NUMBER: \_\_\_\_\_  
 SERIAL NUMBER: \_\_\_\_\_

### TRANSFER SWITCH

MODEL NUMBER: \_\_\_\_\_  
 SERIAL NUMBER: \_\_\_\_\_

HOOR METER READING *at Completion of the Inspection*: \_\_\_\_\_

### **▲ WARNING! ▲**

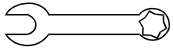
To prevent injury, perform the following steps in the order indicated before starting any maintenance:

- Disable the generator set from starting and/or connecting to the load by setting the control panel Auto-Off-Manual switch to the "OFF" position.
- Remove the control panel fuse.
- Turn off the battery charger.
- Remove the negative battery cable.

### NOTE:

*The battery charger must be turned off BEFORE removing the battery cable to prevent an over current condition from burning out sensitive control panel components and circuits.*

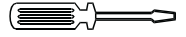
Following all maintenance, reverse these steps to insure the unit is returned to standby setup for normal operation when required.

**MAINTENANCE****Section 4 – 500 kW and 950 kW Natural Gas****GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION**

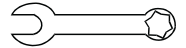
| Maintenance Tasks   | Level 1   |                                      | Level 2  |                                      | Level 3   |                                      | Level 4   |                                      | Level 5  |                                      |
|---|---|--------------------------------------|--|--------------------------------------|---|--------------------------------------|---|--------------------------------------|--|--------------------------------------|
|   | Recom-<br>mended<br>to be done<br>monthly/<br>10 hrs. | Task<br>Comp.<br>(Date-<br>Initials) | Required<br>to be done<br>6 months/<br>Break-in<br>50 hrs. | Task<br>Comp.<br>(Date-<br>Initials) | Required<br>to be done<br>Semi-<br>annually/<br>50 hrs. | Task<br>Comp.<br>(Date-<br>Initials) | Required<br>to be done<br>Annually/<br>100 hrs. | Task<br>Comp.<br>(Date-<br>Initials) | Required<br>to be done<br>Bi-<br>annually/<br>250 hrs. | Task<br>Comp.<br>(Date-<br>Initials) |
| 1. Disable the unit from operating per the first page warning.  | ○   |                                      | ○  |                                      | ○   |                                      | ○   |                                      | ○  |                                      |
| 2. Check the engine oil level. Adjust as necessary.   | ○   |                                      | ○  |                                      | ○   |                                      | ○   |                                      | ○  |                                      |
| 3. Check the engine coolant level. Adjust as necessary.   | ○   |                                      | ○  |                                      | ○   |                                      | ○   |                                      | ○  |                                      |
| 4. Check the engine coolant thermal protection level. Correct as necessary.   |   |                                      |  |                                      |   |                                      | ○   |                                      | ○  |                                      |
| 5. Check the natural gas delivery system. Tighten connections as necessary.   |   |                                      | ○  |                                      | ○   |                                      | ○   |                                      | ○  |                                      |
| 6. Check the air inlets and outlets for debris. Clean as necessary.   | ○   |                                      | ○  |                                      | ○   |                                      | ○   |                                      | ○  |                                      |
| 7. Check the battery electrolyte level if accessible. Adjust as necessary.  | ○   |                                      | ○  |                                      | ○   |                                      | ○   |                                      | ○  |                                      |
| 8. Check the battery posts, cables, and charger for loose connections, corrosion, and proper operation. Correct as necessary. | ○   |                                      | ○  |                                      | ○   |                                      | ○   |                                      | ○  |                                      |
| 9. Check the unit wiring for loose connections, corrosion, and damage. Correct as necessary.                                  |   |                                      |  |                                      |   |                                      | ○   |                                      | ○  |                                      |
| 10. Check the engine accessory drive belts for wear, weather cracking, and damage. Replace as necessary.                      |   |                                      |  |                                      |   |                                      | ○   |                                      | ○  |                                      |

Section 4 – 500 kW and 950 kW Natural Gas

GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION



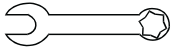
MAINTENANCE



| Maintenance Tasks   | Level 1                                 | Level 2                    |  | Level 3                    |  | Level 4                    |  | Level 5                    |   |                            |
|---|---|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|---|----------------------------|
|   | Recommended to be done monthly/ 10 hrs. | Task Comp. (Date-Initials) | Required to be done 6 months/ Break-in 50 hrs. | Task Comp. (Date-Initials) | Required to be done Semi-annually/ 50 hrs. | Task Comp. (Date-Initials) | Required to be done Annually/ 100 hrs. | Task Comp. (Date-Initials) | Required to be done Bi-annually/ 250 hrs. | Task Comp. (Date-Initials) |
| 11. Check the engine valve clearance. Adjust as necessary.  |   |                            |  |                            |  |                            | ●                                      |                            | ●   |                            |
| 12. Visually inspect the unit looking for leaks, wear or damage, loose connections or components, and corrosion. Correct as necessary.  | ●                                       |                            | ●  |                            | ●  |                            | ●                                      |                            | ●   |                            |
| 13. Test the engine and transfer switch safety devices. Correct and/or adjust as necessary.   |   |                            |  |                            |  |                            | ●                                      |                            | ●   |                            |
| 14. Initiate an automatic start and transfer of the unit to site load and exercise it for at least 1 hour looking for leaks, loose connections or components, and abnormal operating conditions. Correct as necessary.                |   |                            | ●  |                            | ●  |                            |  |                            |   |                            |
| 15. Start and exercise the unit at full rated load (use a load bank if the site load is not enough) for at least 2 hours looking for leaks, loose connections or components, and abnormal operating conditions. Correct as necessary. |   |                            |  |                            |  |                            | ●                                      |                            | ●   |                            |



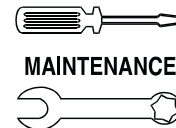
**MAINTENANCE**



**Section 4 – 500 kW and 950 kW Natural Gas**

**GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION**

| Maintenance Tasks   | Level 1                                 | Task Comp. (Date-Initials) | Level 2  | Task Comp. (Date-Initials) | Level 3                                    | Task Comp. (Date-Initials) | Level 4                                | Task Comp. (Date-Initials) | Level 5                                   | Task Comp. (Date-Initials) |
|---|---|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|---|----------------------------|
|   | Recommended to be done monthly/ 10 hrs. |                            | Required to be done 6 months/ Break-in 50 hrs. |                            | Required to be done Semi-annually/ 50 hrs. |                            | Required to be done Annually/ 100 hrs. |                            | Required to be done Bi-annually/ 250 hrs. |                            |
| 16. Perform an engine oil analysis (send a sample to a lab for results). Change the engine oil and filters if the analysis results indicate this is required. |   |                            |  |                            |  |                            | ●                                      |                            |   |                            |
| 17. Change the engine oil.  |   |                            | ●  |                            |  |                            |  |                            | ●   |                            |
| 18. Replace the engine oil filter(s).   |   |                            | ●  |                            |  |                            |  |                            | ●   |                            |
| 19. Replace engine gas line filter(s).  |   |                            | ●  |                            |  |                            |  |                            | ●   |                            |
| 20. Replace the engine air filter(s).   |   |                            |  |                            |  |                            |  |                            | ●   |                            |
| 21. Check the engine spark plugs. Clean and re-gap or replace as necessary.   |   |                            | ●  |                            |  |                            |  |                            | ●   |                            |
| 22. Perform a 5 minute no-load operational run of the unit looking for any post service problems.   |   |                            | ●  |                            |  |                            |  |                            | ●   |                            |
| 23. Return the unit to standby setup for operation when required.   | ●                                       |                            | ●  |                            | ●  |                            | ●                                      |                            | ●   |                            |



## 500 KW TO 2000 KW STANDBY DIESEL ENGINE DRIVEN GENERATOR SETS

Following is a recommended maintenance schedule for Generac standby diesel engine driven generator sets from 500 kW to 2000 kW in size. The established intervals in the schedule are the *maximum* recommended when the unit is used in an average service application. They will need to be decreased (performed more frequently) if the unit is used in a severe application. Use the unit hour meter or calendar time, whichever occurs first, from the previous maintenance interval to determine the next required maintenance interval.

### Service Maintenance Interval Information:

The various service maintenance intervals are designated by interval numbers as follows:

- 1 An early inspection of the generator set to insure it is ready to operate when required and to identify any potential problem areas.

*Performed monthly or following each 10 hours of operation of the unit and requires approximately .5 man-hours per unit to complete.*

*This inspection may be performed by the end user providing the following safety steps are taken to prevent the engine from starting automatically without warning:*

To prevent injury, perform the following steps in the order indicated before starting any maintenance:

- Disable the generator set from starting and/or connecting to the load by setting the control panel Auto-Off-Manual switch to the "OFF" position.
- Remove the control panel fuse.
- Turn off the battery charger.
- Remove the negative battery cable.

**The battery charger must be turned off BEFORE removing the battery cable to prevent an over current condition from burning out sensitive control panel components and circuits.**

Following all maintenance, reverse these steps to insure the unit is returned to standby setup for normal operation when required.

- 2 A break-in service inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed **ONLY ONCE** following the first six months or the first 50 hours of operation after purchase of the unit and requires approximately 3.0 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 3 An operational inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed semi-annually or following each 50 hours of operation of the unit and requires approximately 1.5 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 4 A mid-level inspection of the generator set to insure it is ready to operate and carry the load when required, and to identify any potential problem areas.

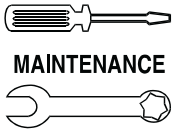
*Performed annually or following each 100 hours of operation of the unit and requires approximately 4.0 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*

- 5 A comprehensive inspection of the generator set to insure it is properly serviced and ready to operate and carry the load when required, and to identify any potential problem areas.

*Performed biannually or following each 250 hours of operation of the unit and requires approximately 8.0 man-hours per unit to complete.*

*This inspection contains some maintenance tasks which require special tools, equipment, and/or knowledge to accomplish and should be performed only by an authorized Generac Service Dealer.*



MAINTENANCE

Section 5 – 500 kW to 2000 kW Diesel

GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION

# GENERAC POWER SYSTEMS, INC.

## RECOMMENDED SCHEDULED MAINTENANCE PROGRAM

SERVICE WORK TO BE PERFORMED BY FACTORY-TRAINED PERSONNEL ONLY.

### DEALER INFORMATION

NAME: \_\_\_\_\_  
ACCOUNT #: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
PHONE: \_\_\_\_\_  
TECHNICIAN: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_

### OWNER INFORMATION

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
SITE: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
SIGNATURE: \_\_\_\_\_

PURCHASE DATE: \_\_\_\_\_ START-UP DATE: \_\_\_\_\_

APPLICATION:    \_\_\_ Standby Power            \_\_\_ Prime Power            \_\_\_ Rental/Trailerized

### GENERATOR & TRANSFER SWITCH INFORMATION

#### GENERATOR

MODEL NUMBER: \_\_\_\_\_  
SERIAL NUMBER: \_\_\_\_\_

#### TRANSFER SWITCH

MODEL NUMBER: \_\_\_\_\_  
SERIAL NUMBER: \_\_\_\_\_

HOOR METER READING *at Completion of the Inspection*: \_\_\_\_\_

### **▲ WARNING! ▲**

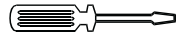
To prevent injury, perform the following steps in the order indicated before starting any maintenance:

- Disable the generator set from starting and/or connecting to the load by setting the control panel Auto-Off-Manual switch to the "OFF" position.
- Remove the control panel fuse.
- Turn off the battery charger.
- Remove the negative battery cable.

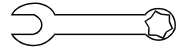
### **NOTE:**

*The battery charger must be turned off BEFORE removing the battery cable to prevent an over current condition from burning out sensitive control panel components and circuits.*

Following all maintenance, reverse these steps to insure the unit is returned to standby setup for normal operation when required.



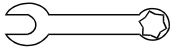
MAINTENANCE



| Maintenance Tasks  | Level 1   |                                      | Level 2  |                                      | Level 3   |                                      | Level 4   |                                      | Level 5  |                                      |
|--|---|--------------------------------------|--|--------------------------------------|---|--------------------------------------|---|--------------------------------------|--|--------------------------------------|
|  | Recom-<br>mended<br>to be done<br>monthly/<br>10 hrs. | Task<br>Comp.<br>(Date-<br>Initials) | Required<br>to be done<br>6 months/<br>Break-in<br>50 hrs. | Task<br>Comp.<br>(Date-<br>Initials) | Required<br>to be done<br>Semi-<br>annually/<br>50 hrs. | Task<br>Comp.<br>(Date-<br>Initials) | Required<br>to be done<br>Annually/<br>100 hrs. | Task<br>Comp.<br>(Date-<br>Initials) | Required<br>to be done<br>Bi-<br>annually/<br>250 hrs. | Task<br>Comp.<br>(Date-<br>Initials) |
| 1. Disable the unit from operating per the first page warning.   |   |                                      |  |                                      |   |                                      |   |                                      |  |                                      |
| 2. Check the engine oil level. Adjust as necessary.  |   |                                      |  |                                      |   |                                      |   |                                      |  |                                      |
| 3. Check the engine coolant level. Adjust as necessary.  |   |                                      |  |                                      |   |                                      |   |                                      |  |                                      |
| 4. Check the engine coolant thermal protection level. Correct as necessary.  |   |                                      |  |                                      |   |                                      |   |                                      |  |                                      |
| 5. Check the diesel fuel supply level. Fill as necessary.  |   |                                      |  |                                      |   |                                      |   |                                      |  |                                      |
| 6. Drain water and sediment from the diesel fuel tank.   |   |                                      |  |                                      |   |                                      |   |                                      |  |                                      |
| 7. Drain water from the fuel line water separator if the unit is equipped with one.  |   |                                      |  |                                      |   |                                      |   |                                      |  |                                      |
| 8. Check the air inlets and outlets for debris. Clean as necessary.  |   |                                      |  |                                      |   |                                      |   |                                      |  |                                      |
| 9. Check the battery electrolyte level if accessible. Adjust as necessary.   |   |                                      |  |                                      |   |                                      |   |                                      |  |                                      |
| 10. Check the battery posts, cables, and charger for loose connections, corrosion, and proper operation. Correct as necessary. |   |                                      |  |                                      |   |                                      |   |                                      |  |                                      |
| 11. Check the unit wiring for loose connections, corrosion, and damage. Correct as necessary.                                  |   |                                      |  |                                      |   |                                      |   |                                      |  |                                      |



**MAINTENANCE**



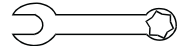
**Section 5 – 500 kW to 2000 kW Diesel**

**GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION**

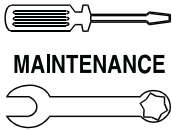
| Maintenance Tasks  | Level 1                                 | Task Comp. (Date-Initials) | Level 2  | Task Comp. (Date-Initials) | Level 3                                    | Task Comp. (Date-Initials) | Level 4                                | Task Comp. (Date-Initials) | Level 5                                   | Task Comp. (Date-Initials) |
|--|---|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|---|----------------------------|
|  | Recommended to be done monthly/ 10 hrs. |                            | Required to be done 6 months/ Break-in 50 hrs. |                            | Required to be done Semi-annually/ 50 hrs. |                            | Required to be done Annually/ 100 hrs. |                            | Required to be done Bi-annually/ 250 hrs. |                            |
| 12. Check the engine accessory drive belts for wear, weather cracking, and damage. Replace as necessary.   |   |                            |  |                            |  |                            | ●                                      |                            | ●   |                            |
| 13. Check the engine valve clearance. Adjust as necessary.   |   |                            |  |                            |  |                            | ●                                      |                            | ●   |                            |
| 14. Visually inspect the unit looking for leaks, wear or damage, loose connections or components, and corrosion. Correct as necessary.   | ●                                       |                            | ●  |                            | ●  |                            | ●                                      |                            | ●   |                            |
| 15. Test the engine and transfer switch safety devices. Correct and/or adjust as necessary.  |   |                            |  |                            |  |                            | ●                                      |                            | ●   |                            |
| 16. Initiate an automatic start and transfer of the unit to site load and exercise it for at least 1 hour looking for leaks, loose connections or components, and abnormal operating conditions. Correct as necessary. |   |                            | ●  |                            | ●  |                            |  |                            |   |                            |



MAINTENANCE



| Maintenance Tasks   | Level 1                                 | Task Comp. (Date-Initials) | Level 2  | Task Comp. (Date-Initials) | Level 3                                    | Task Comp. (Date-Initials) | Level 4                                | Task Comp. (Date-Initials) | Level 5                                   | Task Comp. (Date-Initials) |
|---|---|----------------------------|--|----------------------------|--|----------------------------|--|----------------------------|---|----------------------------|
|   | Recommended to be done monthly/ 10 hrs. |                            | Required to be done 6 months/ Break-in 50 hrs. |                            | Required to be done Semi-annually/ 50 hrs. |                            | Required to be done Annually/ 100 hrs. |                            | Required to be done Bi-annually/ 250 hrs. |                            |
| 17. Start and exercise the unit at full rated load (use a load bank if the site load is not enough) for at least 2 hours looking for leaks, loose connections or components, and abnormal operating conditions. Correct as necessary. |   |                            |  |                            |  |                            | ●                                      |                            | ●   |                            |
| 18. Perform an engine oil analysis (send a sample to a lab for results). Change the engine oil and filters if the analysis results indicate this is required.   |   |                            |  |                            |  |                            | ●                                      |                            |   |                            |
| 19. Change the engine oil.  |   |                            | ●  |                            |  |                            |  |                            | ●   |                            |
| 20. Replace the engine oil filter(s).   |   |                            | ●  |                            |  |                            |  |                            | ●   |                            |
| 21. Replace engine fuel filter(s) and re-prime the fuel system.   |   |                            | ●  |                            |  |                            |  |                            | ●   |                            |
| 22. Replace the engine air filter(s).   |   |                            |  |                            |  |                            |  |                            | ●   |                            |
| 23. Perform a 5 minute no-load operational run of the unit looking for any post service problems.   |   |                            | ●  |                            |  |                            |  |                            | ●   |                            |
| 24. Return the unit to standby setup for operation when required.   | ●                                       |                            | ●  |                            | ●  |                            | ●                                      |                            | ●   |                            |



Section 6 – Quick Reference Parts

GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION

QUICK REFERENCE PARTS LISTING FOR DIESEL ENGINES (UNITS UP TO 400 KW)

1.0 LITER DIESEL (ISM)

Table listing parts for 1.0 Liter Diesel (ISM) engine, including Oil Filter, Fuel Filter, Air Filter (Canister), Air Filter (Molded Plastic), V-belt, Glow Plug, Water Pump, Water Pump Gasket (between Engine and Set Plate), and Water Pump Gasket (between Set Plate and Water Pump).

1.3 LITER DIESEL (ISM)

Table listing parts for 1.3 Liter Diesel (ISM) engine, including Oil Filter, Fuel Filter, Air Filter, Thermostat, and Thermostat Gasket.

2.2 LITER DIESEL (MAZDA)

Table listing parts for 2.2 Liter Diesel (Mazda) engine, including Oil Filter (pre 1987), Oil Filter (post 1987), Fuel Filter (pre 1987), Fuel Filter (post 1987), Air Filter (pre 1987), Air Filter (Paper - post 1987), Air Filter (Plastic - post 1987), V-belt (pre 1987), V-belt (post 1987), Water Pump (pre 1987), Water Pump Gasket (pre 1987), Water Pump (post 1987), Water Pump Gasket (post 1987), Thermostat and Gasket (pre 1987), Thermostat Gasket (pre 1987), Timing Belt (post 1987), Thermostat Gasket (post 1987), and Timing Belt (post 1987).

2.4 LITER DIESEL (KIA)

Table listing parts for 2.4 Liter Diesel (Kia) engine, including Oil Filter, Fuel Filter Element, Air Filter, V-belt (Delco Alternator), V-belt (Generac Alternator), Thermostat, Thermostat Gasket (square), Thermostat Gasket (hexagonal), Water Pump, Water Pump Gasket, and Glow Plug.

3.0 LITER DIESEL (MAZDA)

Table listing parts for 3.0 Liter Diesel (Mazda) engine, including Oil Filter, Fuel Filter (Spin On), Fuel Filter (Drop In), Air Cleaner (Molded Plastic), Air Cleaner (Element Type), V-belt, Water Separator, Fuel Solenoid (Old), Fuel Solenoid (New), Water Pump, Water Pump Gasket, Thermostat, and Thermostat Gasket.

3.0 LITER DIESEL (KIA)

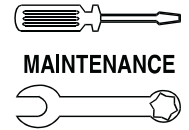
Table listing parts for 3.0 Liter Diesel (Kia) engine, including Oil Filter (Naturally Aspirated), Oil Filter (Turbocharged), Fuel Filter Element, Air Cleaner, Air Cleaner (Optional 2-stage Kit for Turbocharged Units), Thermostat, and Thermostat Gasket.

3.3 LITER DIESEL (DAEWOO)

Table listing parts for 3.3 Liter Diesel (Daewoo) engine, including Oil Filter, Fuel Filter Cartridge, Air Cleaner, Thermostat, Thermostat Gasket, and Fan Belt.

4.0 LITER DIESEL (HINO)

Table listing parts for 4.0 Liter Diesel (Hino) engine, including Oil Filter, Fuel Filter (Pre 1988), Fuel Filter (Post 1988), Air Filter (Canister), Air Filter (Molded Plastic), V-belts (set of two), Water Separator, Water Pump, Thermostat (early), Thermostat (late), and Thermostat Gasket.



MAINTENANCE

## QUICK REFERENCE PARTS LISTING FOR DIESEL ENGINES (UNITS UP TO 400 KW)

### 4.3 LITER DIESEL (GM LT6/LT7)

|                           |          |
|---------------------------|----------|
| Oil Filter (LT6)          | .074473  |
| Oil Filter (LT7)          | .088204  |
| Fuel Filter               | .078003A |
| Air Filter (2 per engine) | .073912  |
| Remote Oil Filter         | .083829  |
| V-belt                    | .037793  |
| Starter (LT6)             | .079195  |
| Starter (LT7)             | .079196  |
| Water Pump                | .079175  |
| Water Pump Gasket         | .074491  |
| Glow Plugs                | .079193  |
| Thermostat                | .075885  |
| Thermostat Gasket         | .048665  |

### 5.0 LITER DIESEL (IVECO) (SERIES ONE)

|                            |             |
|----------------------------|-------------|
| Oil Filter                 | .096770     |
| Fuel Filter (2 per engine) | .0670570363 |
| Air Filter (7-3/4" OD)     | .090625     |
| Air Filter (8-1/2" OD)     | .090749     |
| V-belt (set of two)        | .095280     |
| Thermostat                 | .0963830341 |
| Thermostat Gasket          | .0963830334 |
| Water Pump                 | .0963830322 |
| Water Pump Gasket          | .0963830330 |

### 5.0 LITER DIESEL (IVECO) (SERIES TWO)

|                             |             |
|-----------------------------|-------------|
| Oil Filter                  | .096701     |
| Fuel Filter (2 per engine)  | .0670570363 |
| Air Filter (40/50/60/80 kW) | .090749     |
| Air Filter (100 kW)         | .089216     |
| Air Filter (125 kW)         | .090625     |
| V-belt (set of two)         | .095280     |
| Thermostat                  | .0963830341 |
| Thermostat Gasket           | .0963830334 |
| Water Pump                  | .0924600155 |
| Water Pump Gasket           | .0924610173 |

### 6.4 LITER DIESEL (HINO)

|                                       |             |
|---------------------------------------|-------------|
| Oil Filter                            | .0554950100 |
| Fuel Filter (Drop In)                 | .0554950537 |
| Fuel Filter (Spin On)                 | .0716960102 |
| Air Filter (80/100 kW)                | .058763     |
| Air Filter (125kW)                    | .073387     |
| Air Filter (150kW)                    | .076554     |
| Air Filter (Plastic - 1992 and later) | .090625     |
| V-belt                                | .0554950426 |
| Water Separator                       | .073847     |
| Water Pump                            | .0554950396 |
| Water Pump Gasket                     | .0554950398 |
| Thermostat                            | .0590890624 |
| Thermostat Gasket                     | .0554950403 |

### 7.5 LITER DIESEL (IVECO)

|                            |             |
|----------------------------|-------------|
| Oil Filter                 | .96701      |
| Fuel Filter (2 per engine) | .0670570363 |
| Air Filter                 | .090625     |
| V-belt (set of two)        | .095280     |
| Thermostat                 | .0963830341 |
| Thermostat Gasket          | .0924610165 |
| Water Pump                 | .0924610172 |
| Water Pump Gasket          | .0924610173 |
| V-belt (1/2 x 57)          | .089176     |

### 12.0 LITER DIESEL (MITSUBISHI)

|  |             |
|--|-------------|
| Main Oil Filter                        | .0A53990234 |
| Bypass Oil Filter                      | .0A53990233 |
| Element Kit, Main & Bypass Oil Filters | .0A53990445 |
| Fuel Filter                            | .0A53990244 |
| Air Cleaner                            | .061701     |
| Element, Oil Cooler                    | .0A53990236 |
| Thermostat Kit (w/gaskets)             | .0A53990279 |
| Thermostat Gasket                      | .0A53990280 |
| Water Pump                             | .0A53990274 |
| Water Pump Gasket                      | .0A53990432 |
| Belt, Water Pump                       | .0A53990276 |
| Belt, Alternator                       | .0A43990275 |

### 13.3 LITER DIESEL (HINO)

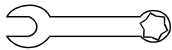
|                                     |             |
|-------------------------------------|-------------|
| Oil Filter (Primary)                | .0590890101 |
| Oil Filter (Bypass)                 | .0590890102 |
| Fuel Filter (Drop In)               | .0590890100 |
| Fuel Filter (Spin On)               | .0667670100 |
| Air Filter (pre 1987)               | .060165     |
| Air Filter (post 1988)              | .061701     |
| Water Pump, V-belt (below 200 kW)   | .0590890625 |
| Water Pump, V-belt (230/250/275 kW) | .079930     |
| Alternator V-belt                   | .0768150290 |
| Water Separator                     | .0642380340 |
| Starter Solenoid (pre 1992)         | .0590890807 |
| Starter Solenoid (post 1992)        | .0768150100 |
| Thermostat                          | .0590890624 |
| Thermostat Gasket                   | .0590890605 |
| Water Pump                          | .0590890596 |
| Water Pump Gasket                   | .0590890595 |
| Fuel Feed Pump                      | .0768150211 |

### 16.0 LITER DIESEL (MITSUBISHI)

|  |             |
|--|-------------|
| Oil Filter                             | .0A53990234 |
| Bypass Oil Filter                      | .0A53990233 |
| Element Kit, Main & Bypass Oil Filters | .0A53990445 |
| Fuel Filter                            | .0A53990244 |
| Air Cleaner                            | .0C1993     |



MAINTENANCE



Section 6 – Quick Reference Parts

GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION

QUICK REFERENCE PARTS LISTING FOR GAS ENGINES (UNITS UP TO 400 KW)

1.0/1.2 LITER GAS (NISSAN)

|                           |             |
|---------------------------|-------------|
| Oil Filter                | .075755     |
| Fuel Filter               | .074016     |
| Air Filter                | .073912     |
| V-belt                    | .079173     |
| Tune Up Kit               | .082036     |
| Spark Plug (4 per engine) | .0698280296 |
| Thermostat                | .0698280503 |
| Thermostat Gasket         | .0698280506 |
| Distributor Rotor         | .0698280314 |
| Distributor Cap           | .0698280315 |
| Distributor Points        | .0698280320 |
| Distributor Condenser     | .0698280307 |
| Water Pump Assembly       | .0709650146 |
| Water Pump Gasket         | .0698280501 |
| Spark Plug Wires          | .0698280355 |

1.3 LITER GAS (MAZDA)

|                           |         |
|---------------------------|---------|
| Oil Filter                | .052241 |
| Fuel Filter               | .029608 |
| Air Filter                | .059402 |
| 10kW V-belt               | .043776 |
| 20kW V-belt               | .039379 |
| Spark Plug (4 per engine) | .052965 |
| Spark Plug Wires          | .052966 |
| Water Pump                | .052908 |
| Water Pump Gasket         | .052911 |
| Thermostat                | .052927 |
| Thermostat Gasket         | .056958 |
| Coil Wire                 | .066049 |
| Distributor Cap           | .052471 |
| Distributor Points        | .052475 |
| Distributor Rotor         | .052473 |
| Distributor Condenser     | .052483 |

1.5 LITER GAS (MITSUBISHI)

|                           |             |
|---------------------------|-------------|
| Oil Filter                | .0A45310244 |
| Air Cleaner               | .059402     |
| Spark Plug (4 per engine) | .0A45310275 |
| Spark Plug Wires          | .0A45310272 |
| Distributor Cap           | .0A45310261 |
| Distributor Rotor         | .0A45310264 |
| Thermostat                | .075885     |
| Thermostat Seal Ring      | .0A5554     |
| PCV Valve                 | .0A45310105 |
| Valve Timing Belt         | .0A45310199 |
| Water Pump                | .247-A      |
| V-belt (1800 RPM)         | .0A5275     |
| V-belt (3600 RPM)         | .0A5586     |

1.6 LITER GAS (FIAT)

|                              |             |
|------------------------------|-------------|
| Oil Filter                   | .099021     |
| Air Filter                   | .073912     |
| Actuator                     | .098290     |
| Controller                   | .098647K    |
| Champion Plug (4 per engine) | .RN9YC      |
| Spark Plug Wires             | .0973900275 |
| Distributor Cap              | .0973900268 |
| Distributor Rotor            | .0973900269 |
| Ignition Coil                | .072557     |
| Ignition Coil Wire           | .098852     |
| Fan Belt (1800 RPM)          | .020621     |
| Fan Belt (3600 RPM)          | .020439     |
| Water Pump Belt              | .075130     |
| Water Pump                   | .0973900265 |
| Water Pump Gasket            | .0973900261 |
| Thermostat                   | .0973900247 |
| Timing Belt                  | .0973900182 |

2.3 LITER GAS (FORD)

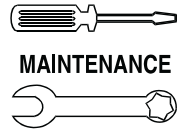
|                   |         |
|-------------------|---------|
| Oil Filter (Fram) | .PH8    |
| Air Filter        | .073912 |

2.5 LITER GAS (GM)

|                   |         |
|-------------------|---------|
| Oil Filter        | .055505 |
| Fuel Filter       | .053244 |
| Air Filter        | .044088 |
| Water Pump        | .058015 |
| Water Pump Gasket | .048665 |

2.6 LITER GAS (MITSUBISHI)

|                              |             |
|------------------------------|-------------|
| Oil Filter                   | .052241     |
| Air Filter                   | .062780     |
| Fuel Filter                  | .053244     |
| V-belt                       | .062245A285 |
| Spark Plug (4 per engine)    | .062245A392 |
| Spark Plug Wires             | .062245A387 |
| Coil Wire                    | .062245A394 |
| Coil                         | .062245A394 |
| Distributor Cap (Screw Type) | .062245A314 |
| Distributor Cap (Clip Type)  | .062245A407 |
| Distributor Rotor            | .062245A343 |
| Carburetor                   | .053959     |
| Thermostat                   | .062245A340 |
| Thermostat Gasket            | .062575     |
| Governor V-belt              | .040080     |
| Fan V-belt                   | .066672     |
| Water Pump and Gasket Kit    | .062245A289 |
| Water Pump Gasket            | .062245A290 |



MAINTENANCE

## QUICK REFERENCE PARTS LISTING FOR GAS ENGINES (UNITS UP TO 400 KW)

### 3.0 LITER GAS (GM)

|                             |             |
|-----------------------------|-------------|
| Oil Filter                  | .055505     |
| Fuel Filter                 | .053244     |
| Air Filter                  | .073267     |
| Distributor Cap             | .0887780215 |
| Distributor Rotor           | .0887780216 |
| Spark Plug (4 per engine)   | .0887780229 |
| Spark Plug Wires            | .0887780249 |
| Ignition Wires (Set)        | .0887780249 |
| Ignition Module             | .0887780222 |
| Coil Wire                   | .0887780248 |
| Distributor Ignition Module | .0887780222 |
| Water Pump                  | .0887780113 |
| Water Pump Gasket           | .0887780109 |
| Thermostat (91-93)          | .0887780194 |
| Thermostat (94)             | .0887780195 |
| Thermostat Gasket           | .0887780196 |

### 4.3 LITER GAS (GM)

|                               |             |
|-------------------------------|-------------|
| Oil Filter                    | .0A37970001 |
| Air Filter (11-1/2" x 3-1/2") | .0A4637     |
| Distributor Cap               | .0A37970201 |
| Distributor Pick Up Coil      | .0A37970191 |
| Distributor Ignition Module   | .0A37970193 |
| Distributor Rotor             | .0A37970195 |
| Ignition Coil                 | .0A37970198 |
| Thermostat                    | .075885     |
| Thermostat Gasket             | .0A2440     |

### 5.0 LITER GAS (GM)

|  |              |
|--|--------------|
| Oil Filter                               | .055505      |
| Fuel Filter                              | .029608      |
| Air Filter                               | .060834      |
| Spark Plug (8 per engine)                | .059503      |
| Plug Wires                               | .055490      |
| Water Pump                               | .0758720173  |
| Thermostat (1991)                        | .0758720283  |
| Thermostat (1992-1994)                   | .0758720284  |
| Thermostat Gasket                        | .0887780196  |
| Water Pump Gasket (2 required)           | .0758720177  |
| Governor V-belt (Natural & LP Gas Units) | .066005      |
| Governor V-belt (Gasoline Units)         | .035736      |
| Alternator V-belt                        | .059324      |
| Distributor Cap                          | .0758720 218 |
| Distributor Rotor                        | .0758720 221 |

### 5.7 LITER GAS (GM)

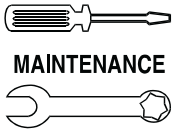
|  |             |
|--|-------------|
| Oil Filter                               | .055505     |
| Fuel Filter                              | .029608     |
| Air Filter                               | .060834     |
| Spark Plug (8 per engine)                | .059503     |
| Spark Plug Wires                         | .055490     |
| Water Pump                               | .0758720173 |
| Water Pump Gasket (2 required)           | .0758720177 |
| Thermostat (1991)                        | .0758720283 |
| Thermostat (1992-1994)                   | .0758720284 |
| Distributor Cap                          | .0758720218 |
| Distributor Rotor                        | .0758720221 |
| Governor V-belt (Natural & LP Gas Units) | .066005     |
| Governor V-belt (Gasoline Units)         | .035736     |
| Alternator V-belt                        | .059324     |

### 7.4 LITER GAS (GM)

|                                |             |
|--------------------------------|-------------|
| Oil Filter                     | .055505     |
| Fuel Filter                    | .029608     |
| Air Filter                     | .060834     |
| Spark Plug (8 per engine)      | .0767850171 |
| Spark Plug Wires               | .055508     |
| Thermostat                     | .075885     |
| Timing Chain                   | .0767850118 |
| Water Pump                     | .0767850123 |
| Water Pump Gasket (2 required) | .0767850122 |
| V-belt (3/8" x 49-1/8")        | .055462     |
| V-belt (3/8" x 52-7/8")        | .058785     |

### 13.3 LITER GAS (HINO)

|                           |             |
|---------------------------|-------------|
| Oil Filter (primary)      | .0590890101 |
| Oil Filter (bypass)       | .0590890102 |
| Air Filter                | .084288     |
| V-belt                    | .0590890625 |
| V-belt (230/250/275 kW)   | .079930     |
| Thermostat                | .0590890624 |
| Thermostat Gasket         | .0590890605 |
| Coolant Pump Assembly     | .0590890596 |
| Water Pump O-ring         | .0590890670 |
| Spark Plug (6 per engine) | .084750     |
| Ignition Wire             | .084261     |
| CDI Ignition Controller   | .084206A    |
| Ignition Coil             | .084206B    |
| Magnetic Pick Up Ignition | .084206C    |



Section 6 – Quick Reference Parts

GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION

QUICK REFERENCE PARTS LISTING FOR UNITS ABOVE 400 KW (DIESEL & GAS)

14.6 LITER DIESEL (MITSUBISHI)

|  |             |
|--|-------------|
| Main Oil Filter (2 per engine) . . . . . | .0A37510100 |
| Bypass Oil Filter . . . . .              | .0A37510101 |
| Fuel Filter . . . . .                    | .0A37510102 |
| Air Filter . . . . .                     | .0A4253     |

18.5 LITER DIESEL (MITSUBISHI)

|  |             |
|--|-------------|
| Main Oil Filter (2 per engine) . . . . . | .0A37510100 |
| Bypass Oil Filter . . . . .              | .0A37510101 |
| Fuel Filter . . . . .                    | .0A37510102 |
| Air Filter . . . . .                     | .0A4253     |

24.5 LITER DIESEL (MITSUBISHI)

|  |             |
|--|-------------|
| Main Oil Filter (2 per engine) . . . . . | .0A37530100 |
| Bypass Oil Filter . . . . .              | .0A37530101 |
| Fuel Filter (2 per engine) . . . . .     | .0A37510102 |
| Air Filter . . . . .                     | .0A4253     |

33.9 LITER DIESEL (MITSUBISHI)

|  |             |
|--|-------------|
| Main Oil Filter (4 per engine) . . . . . | .0A37510100 |
| Bypass Oil Filter . . . . .              | .0A37530101 |
| Fuel Filter (2 per engine) . . . . .     | .0A37510102 |
| Air Filter (2 per engine) . . . . .      | .0A4253     |

37.0 LITER DIESEL (MITSUBISHI)

|  |             |
|--|-------------|
| Main Oil Filter (4 per engine) . . . . . | .0A37550100 |
| Bypass Oil Filter . . . . .              | .0A37510101 |
| Fuel Filter (4 per engine) . . . . .     | .0A37510102 |
| Air Filter (2 per engine) . . . . .      | .0A4253     |

49.0 LITER DIESEL (MITSUBISHI)

|  |             |
|--|-------------|
| Main Oil Filter (4 per engine) . . . . . | .0A37530100 |
| Bypass Oil Filter . . . . .              | .0A37530101 |
| Fuel Filter (4 per engine) . . . . .     | .0A37510102 |
| Air Filter (2 per engine) . . . . .      | .0A4253     |

65.4 LITER DIESEL (MITSUBISHI)

|  |             |
|--|-------------|
| Main Oil Filter (4 per engine) . . . . . | .0A37530100 |
| Bypass Oil Filter . . . . .              | .0A37530101 |
| Fuel Filter (4 per engine) . . . . .     | .0A37510102 |
| Air Filter (4 per engine) . . . . .      | .0A4253     |

22.0 LITER DIESEL (DAEWOO)

|                                     |             |
|-------------------------------------|-------------|
| Oil Filter (2 per engine) . . . . . | .0C46930269 |
| Fuel Filter . . . . .               | .0C46930450 |
| Air Filter (2 per engine) . . . . . | .0C1993     |
| Thermostat . . . . .                | .0C46930330 |
| Thermostat Gasket . . . . .         | .0C46930332 |
| Water Pump . . . . .                | .0C46930333 |
| Water Pump Gasket . . . . .         | .0C46930334 |

24.0 LITER GAS (GUASCOR)

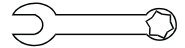
|                                     |             |
|-------------------------------------|-------------|
| Oil Filter (3 per engine) . . . . . | .0C59420495 |
| Fuel Filter . . . . .               | .0C8251     |
| Air Filter . . . . .                | .0C7481     |
| Spark Plug (8 per engine) . . . . . | .0C59420497 |

48.0 LITER GAS (GUASCOR)

|                                      |             |
|--------------------------------------|-------------|
| Oil Filter (3 per engine) . . . . .  | .0C59410443 |
| Fuel Filter . . . . .                | .0C8251     |
| Air Filter (2 per engine) . . . . .  | .0C7481     |
| Spark Plug (16 per engine) . . . . . | .0C59420497 |



MAINTENANCE

**KITS FOR GAS ENGINE SCHEDULED MAINTENANCE PROGRAMS**

(Not available for all engine sizes)

**1.0/1.2 LITER GAS (NISSAN)**

|                             |             |
|-----------------------------|-------------|
| Oil/Gas Fuel/Air Filter Kit | .07096500PM |
| Oil/Gas Fuel Filter Kit     | .070965A0PM |

**1.3 LITER GAS (MAZDA)**

|                             |             |
|-----------------------------|-------------|
| Oil/Gas Fuel Filter Kit     | .05230000PM |
| Oil/Gas Fuel/Air Filter Kit | .052300A0PM |

**1.5 LITER GAS (MITSUBISHI)**

|                    |             |
|--------------------|-------------|
| Oil/Air Filter Kit | .0A4531A0PM |
| Oil Filter Only    | .0A45310244 |

**1.6 LITER GAS (FIAT)**

|                    |             |
|--------------------|-------------|
| Oil/Air Filter Kit | .09739000PM |
| Oil Filter Only    | .099021     |

**2.6 LITER GAS (MITSUBISHI)**

|                             |             |
|-----------------------------|-------------|
| Oil/Gas Fuel Filter Kit     | .062245A0PM |
| Oil/Gas Fuel/Air Filter Kit | .062245A0PM |

**3.0 LITER GAS (GM)**

|                    |             |
|--------------------|-------------|
| Oil/Air Filter Kit | .0A708300PM |
| Oil Filter Only    | .055505     |
| Fuel Filter Only   | .053244     |

**4.3 LITER GAS (GM)**

|                    |             |
|--------------------|-------------|
| Oil/Air Filter Kit | .0A379700PM |
| Oil Filter Only    | .0A37970001 |

**5.0, 5.7, 7.4 LITER GAS (GM)**

|                             |             |
|-----------------------------|-------------|
| Oil/Gas Fuel/Air Filter Kit | .08303400PM |
| Oil/Gas Fuel Filter Kit     | .083034A0PM |

**13.3 LITER GAS (HINO)**

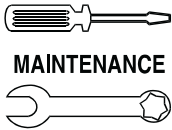
|                               |             |
|-------------------------------|-------------|
| Oil/Bypass Oil Filter Kit     | .08476100PM |
| Oil/Bypass Oil/Air Filter Kit | .084761A0PM |

**24.0 LITER GAS (GUASCOR)**

|                             |             |
|-----------------------------|-------------|
| Oil/Gas Fuel/Air Filter Kit | .0C594200PM |
| Oil/Gas Fuel Filter Kit     | .0C5942A0PM |

**48.0 LITER GAS (GUASCOR)**

|                             |             |
|-----------------------------|-------------|
| Oil/Gas Fuel/Air Filter Kit | .0C594100PM |
| Oil/Gas Fuel Filter Kit     | .0C5941A0PM |



Section 6 – Quick Reference Parts

GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION

KITS FOR DIESEL ENGINE SCHEDULED MAINTENANCE PROGRAMS

(Not available for all engine sizes)

1.0 LITER DIESEL (ISM)

Oil/Fuel Filter Kit .07093900PM
Air Filter (Canister Type) .077078C
Air Filter (Molded Plastic) .070941

2.2 LITER DIESEL (MAZDA)

Oil/Fue/Air Filter Kit .06705700PM
Oil/Fuel Filter Kit .067057A0PM

2.4 LITER DIESEL (KIA)

Oil/Fue/Air Filter Kit .09695400PM
Oil/Fuel Filter Kit .096954A0PM

3.0 LITER DIESEL (MAZDA)

Oil/Fue/Air Filter Kit (Canister Type) .07087400PM
Oil/Fue/Air Filter Kit (Molded Plastic) .070874A0PM
Oil/Fuel Filter Kit (w/Spin On Fuel Filter) .070874B0PM
Oil/Fuel Filter Kit (w/Drop In Fuel Filter) .070874C0PM

3.0 LITER DIESEL (KIA)

Oil/Fuel Filter Kit (Naturally Aspirated) .0C292000PM
Oil/Fuel Filter Kit (Turbocharged) .0C2920A0PM
Air Filter .0C3427
Air Filter (Optional 2 Stage for Turbocharged Units) .065232
Fuel Filter - Complete Assembly .098110

3.3 LITER DIESEL (DAEWOO)

Oil/Fuel Filter Kit .0C271000PM
Oil/Fuel/Air Filter Kit .0C2710A0PM

4.0 LITER DIESEL (HINO)

Oil/Fuel Filter Kit (pre 1988) .06423800PM
Oil/Fuel Filter Kit (post 1988) .064238A0PM
Air Filter (Canister Type) .065234
Air Filter (Molded Plastic) .090749

4.3 LITER DIESEL (GM-LT6)

Oil/Fuel/Air Filter Kit .07447400PM
Oil/Fuel Filter Kit .074474A0PM
Remote Oil Filter .083829

4.3 LITER DIESEL (GM-LT7)

Oil/Fuel/Air Filter Kit .07447500PM
Oil/Fuel Filter Kit .074475A0PM
Remote Oil Filter .083829

5.0 LITER DIESEL (IVECO) (SERIES ONE)

Oil/Fuel Filter Kit .09638300PM
Air Filter (7-3/4" O.D.) .090625
Air Filter (8-1/2" O.D.) .090749

5.0 LITER DIESEL (IVECO) (SERIES TWO)

Oil/Fuel Filter Kit .09246000PM
Air Filter (40/50/60/80/kW) .090749
Air Filter (100 kW) .089216
Air Filter (125 kW) .090625

6.4 LITER DIESEL (HINO)

Oil/Fuel Filter Kit (w/Drop In Fuel Filter) .05549500PM
Oil/Fuel Filter Kit (w/Spin On Fuel Filter) .055495A0PM
Air Filter (80/100 kW) .058763
Air Filter (125 kW) .073387
Air Filter (150 kW) .076554
Air Filter (Plastic - 1992 and Later) .090625

7.5 LITER DIESEL (IVECO)

Oil/Fuel/Air Filter Kit .09246100PM
Oil/Fuel Filter Kit .092461A0PM

12.0 LITER DIESEL (MITSUBISHI)

Oil/Bypass Oil/Fuel Filter Kit .0A539900PM
Oil/Bypass Oil/Fuel/Air Filter Kit .0A5399A0PM

13.3 LITER DIESEL (HINO)

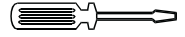
Oil/Bypass Oil/Fuel/Air Filter Kit (w/Drop In Fuel Filter) .07681500PM
Oil/Bypass Oil/Fuel/Air Filter Kit (w/Spin On Fuel Filter) .076815A0PM
Oil/Bypass Oil/Fuel Filter Kit (w/Drop In Fuel Filter) .076815B0PM
Oil/Bypass Oil/Fuel Filter Kit (w/Spin On Fuel Filter) .076815C0PM

16.0 LITER DIESEL (MITSUBISHI)

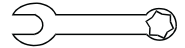
Oil/Bypass Oil/Fuel Filter Kit .0A539900PM
Oil/Bypass Oil/Fuel/Air Filter Kit .0A882900PM

22.0 LITER DIESEL (DAEWOO)

Oil/Fuel Filter Kit .0C469300PM
Oil/Fuel/Air Filter Kit .0C4693A0PM



MAINTENANCE

**KITS FOR DIESEL ENGINE SCHEDULED MAINTENANCE PROGRAMS**

(Not available for all engine sizes)

**14.6 LITER DIESEL (MITSUBISHI)**

Oil/Bypass Oil/Fuel Filter Kit .....0A375100PM  
 Oil/Bypass Oil/Fuel/Air Filter Kit .....0A3751A0PM

**18.5 LITER DIESEL (MITSUBISHI)**

Oil/Bypass Oil/Fuel Filter Kit .....0A375100PM  
 Oil/Bypass Oil/Fuel/Air Filter Kit .....0A3751A0PM

**24.5 LITER DIESEL (MITSUBISHI)**

Oil/Bypass Oil/Fuel Filter Kit .....0A375300PM  
 Oil/Bypass Oil/Fuel/Air Filter Kit .....0A3753A0PM

**33.0 LITER DIESEL (MITSUBISHI)**

Oil/Bypass Oil/Fuel Filter Kit .....0A375400PM  
 Oil/Bypass Oil/Fuel/Air Filter Kit .....0A3754A0PM

**37.0 LITER DIESEL (MITSUBISHI)**

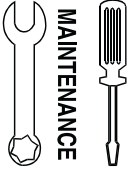
Oil/Bypass Oil/Fuel Filter Kit .....0A375500PM  
 Oil/Bypass Oil/Fuel/Air Filter Kit .....0A3755A0PM

**49.0 LITER DIESEL (MITSUBISHI)**

Oil/Bypass Oil/Fuel Filter Kit .....0A926800PM  
 Oil/Bypass Oil/Fuel/Air Filter Kit .....0A9268A0PM

**65.4 LITER DIESEL (MITSUBISHI)**

Oil/Bypass Oil/Fuel Filter Kit .....0A927000PM  
 Oil/Bypass Oil/Fuel/Air Filter Kit .....0A9270A0PM



EXAMPLE

Section 7 – Scheduled Maintenance Waiver  
GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION

Order Bulletin 0164200SVE

# GENERAC® POWER SYSTEMS, INC.

## SCHEDULED MAINTENANCE PLAN

Model Number \_\_\_\_\_ Serial Number \_\_\_\_\_

# WAIVER

I have been advised and understand the Scheduled Maintenance Plan offered to me for my Generac Power Systems, Standby Power System. The Scheduled Maintenance Plan would pay for the peace of mind of knowing that my Generac Power Systems, Standby Power System is being maintained per the Manufacturer's scheduled recommendations. Notwithstanding, I hereby decline and waive the right to purchase such coverage for my Generac Power Systems, Standby Power System.

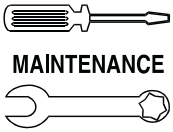
\_\_\_\_\_  
( Customer Signature )

\_\_\_\_\_  
( Date )

\_\_\_\_\_  
( Dealer Signature ) ( Dealer Number )

\_\_\_\_\_  
( Date )





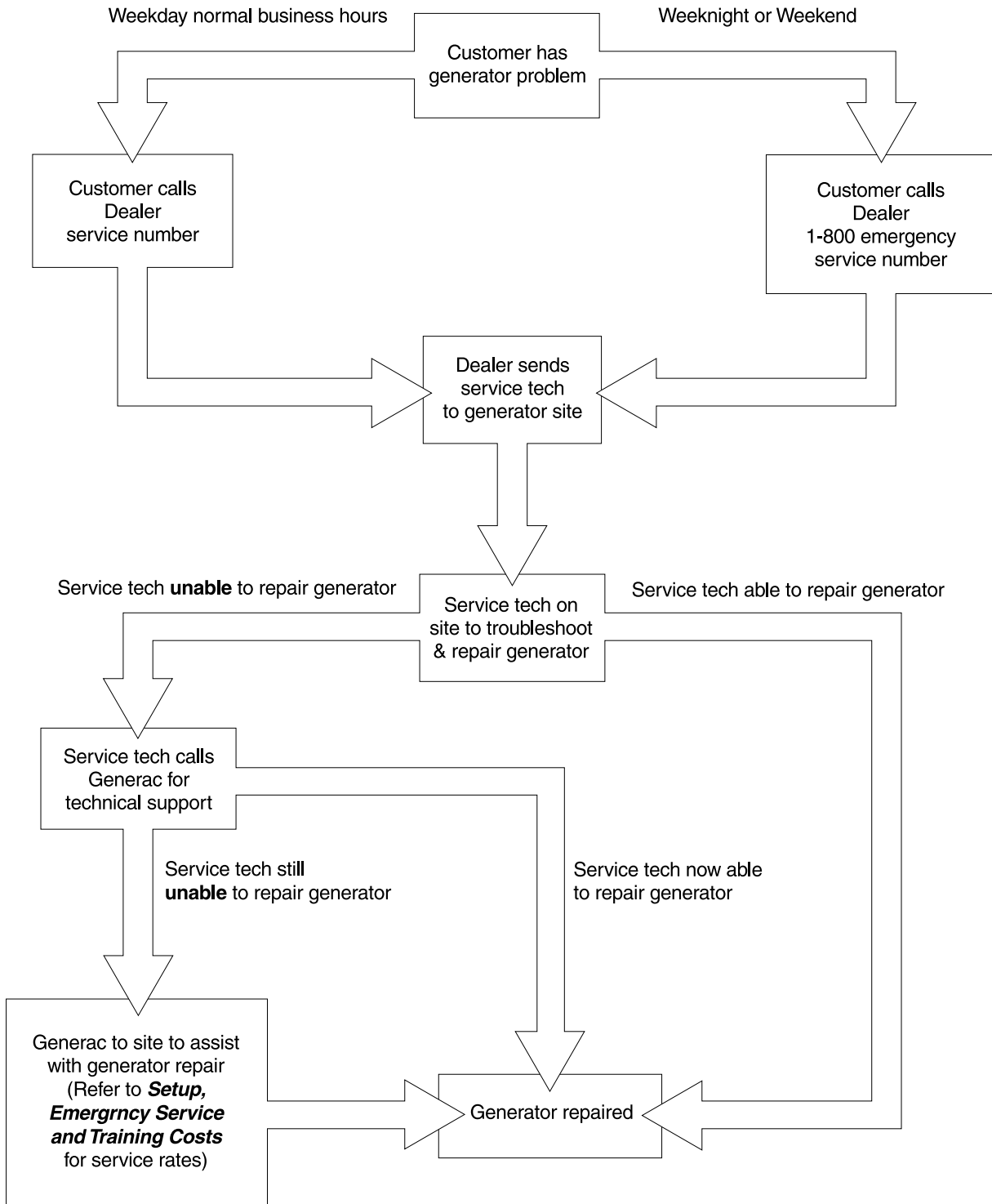
MAINTENANCE

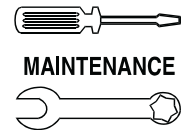
## Section 9 – Service Response Flow Chart

GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION

### SERVICE RESPONSE FLOW CHART

**NOTE:** All communication will be through the sales and/or servicing dealer.  
In no case should the customer contact Generac direct!





## STARTUP, EMERGENCY SERVICE, AND TRAINING COSTS FOR FACTORY TECHNICIANS

### STARTUP COSTS

Following are the charges that will be incurred and charged to the requesting dealer for the startup of a new generator set when a factory technician is required to be on site:

- \$950.00 per day per technician on the job site.
- \$475.00 travel per day per technician when no work is performed on the job site.
- \$1.10 per mile travel within a 200-mile radius of Generac.
- All incurred airfare expenses per technician outside the 200-mile radius.
- All incurred miscellaneous expenses per technician - i.e., car rental, hotel, meals, etc.
- A minimum of 3 weeks advance notice is required.
- If notice is less than 3 weeks, **rates double**.
- A purchase order is required at the time of request.

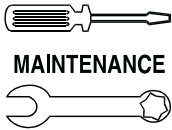
### EMERGENCY SERVICE COSTS

Following are the charges that will be incurred and charged to the requesting dealer for non-warranty emergency service when a factory technician is required to be on site:

- \$150.00 per hour per technician up to 8 hours on the job site.
- \$225.00 per hour per technician over 8 hours up to a total of 15 hours on the job site in a single day.
- \$75.00 per hour per technician on days no work is performed on the job site (8 hours maximum).
- \$1.10 per mile travel within a 200-mile radius of Generac.
- All incurred airfare expenses per technician outside the 200-mile radius.
- All incurred miscellaneous expenses per technician - i.e., car rental, hotel, meals, etc.
- A purchase order is required the next business day following the emergency service request.

### TRAINING COSTS

Generac highly recommends and prefers all training take place immediately following completion of the startup. Training days will be charged at the same daily rate as startup days. The dealer / customer is responsible for making arrangements for training facilities, for having personnel at the training, and for letting the factory technicians know when and where the training will take place. Training will be held no later than the day following the startup completion. If there are any days between the startup completion and the training day - i.e., startup completed on Wednesday and training conducted on Friday - the dealer/customer will be charged a full day for those days the factory technicians do not work.



## Section 11 – Control Numbers

### GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION

#### WARRANTY INFORMATION BULLETIN

DATE: April 2000  
SUBJECT: Control Numbers/All Water Cooled Product & PTO  
EFFECTIVE DATE: Immediate (has been in effect since January, 1994)

This is a reminder to all Generac Power Systems, Inc. Servicing Dealers about the importance of obtaining “Control Numbers” before certain unusual or expensive warranty repairs are performed. As an Authorized Dealer, you are aware that Generac’s “Bench Mark” for Control Numbers is any of the following:

- Repairs that exceed \$1000.
- Unusual amounts of repair time.
- Multiple trips required to complete repair.
- Cost of parts needed for repair exceeding \$1000.

It is a requirement for Authorized Dealers to call and obtain a “Control Number” after inspection but PRIOR to any repairs being made, for any one or more of the above listed reasons.

To obtain a “Control Number” the Authorized Dealer must contact the Technical Service Department at Generac Power Systems, Inc., the telephone number is 262-544-4811 ext. 4345. Control Numbers are not a blank check - the Authorized Dealer must have the following information ready when calling the Generac Technical Service Department.

- Dealer Number.
- Model Number and Serial Number of the genset in question.
- Start-up date.
- Details and cause of problem.
- Details of corrective action required.
- Part Number(s) and cost of necessary part(s) needed to correct failure.
- Cost of necessary flat rate labor hours needed to correct failure.
- Travel time and mileage necessary (if applicable) (Warranty travel limits for standby repairs, 300 miles maximum at \$0.35 per mile, and 7.5 hours maximum at \$39.00 per hour.)
- Total dollar amount of repair to be covered.

All of the information listed above is required after the unit is inspected but PRIOR to any warrantable repair work is performed.

A copy of the “Control Number” report will be faxed to you by the Technical Service Representative. A copy must be attached to the Warranty Repair Report when submitted for payment.

Failure to obtain a “Control Number” will result in either the warranty repair report being reduced to the scheduled flat rate minimums, or rejected per the terms and conditions of the Generac Power Systems Warranty Policies, Procedures and Flat Rate Manual.

#### FOR ALL WARRANTY REPAIR REPORTS

Submittal period of Warranty Repair Reports has always been within 30 days of completion of repair. If Warranty Repair Reports are received anywhere between 31 to 60 days after the repair completion date, they are subject to and will be reduced by the application of a 15% late filing charge.

Warranty Repair Reports received after 60 days following the completion of repairs will not be honored. They will be rejected/denied and returned to the Servicing Dealer.

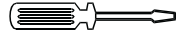
#### PAYMENT OF WARRANTY REPAIR REPORTS

Payment of a Warranty Repair Report is in the form a a Credit Memo/Check (if applicable). If you believe that more credit is due to you, respond immediately to the Generac Power Systems Warranty Department.

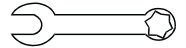
Failure to respond within 30 days of the issued date of the Credit Memo/Check will be considered acceptance of the Credit Memo/Check as full and final payment of the warranty claim.

Credit Memos/Checks that are found to be in error of over payment to Dealers will be invoiced the difference of the amount of overage, anytime the error is discovered and will be notified in writing.

**NOTICE:** The Warranty Department of Generac Power Systems, Inc. will no longer reconcile Dealer accounts. It is the responsibility of the Dealer to keep track of their own individual records. It is the responsibility of the Dealer to adjust amounts received on their Credit Memos/Checks. It is the responsibility of the Dealer to contact the Warranty Department with any discrepancies within 30 days of Credit Memo/Check issued date. The Warranty Department will not go back any farther than 30 days of that date.



MAINTENANCE



### CONTROL NUMBER REPORT

CONTROL NUMBER: \_\_\_\_\_

Return Authorization Number: \_\_\_\_\_  
(If applicable)

Warranty Claim Number: \_\_\_\_\_

Issued By: \_\_\_\_\_

Date: \_\_\_\_\_

Dealer Name: \_\_\_\_\_

Dealer Account Number: \_\_\_\_\_

Dealer Contact Name: \_\_\_\_\_

Telephone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

MODEL NUMBER: \_\_\_\_\_

SERIAL NUMBER: \_\_\_\_\_

Details of Problem: (customer complaint, cause of problem, correction of complaint)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

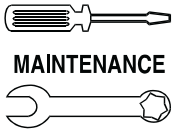
\_\_\_\_\_

Labor time Allowed: \_\_\_\_\_ at \$ \_\_\_\_\_ per flat rate hour  
(per flat rate hour) (dealers shop rate)

Travel mileage Allowed: \_\_\_\_\_ Travel time allowed: \_\_\_\_\_  
(If maximums are to be exceeded)

TOTAL DOLLAR AMOUNT ALLOWED: \$ \_\_\_\_\_

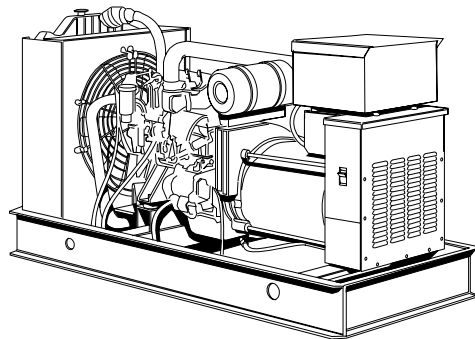
NOTE: ALL LINES ARE TO BE FILLED IN COMPLETELY ( Print Legibly )



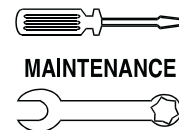
Section 12 – Technical Publications/Service Information

GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION

GENERAL DIAGNOSTIC REPAIR AND SERVICE MANUALS (up to 400 kW)



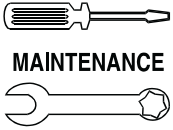
| TITLE OF MANUAL   | PART #  | PRICE   | DESCRIPTION  |
|---|---------|---------|--|
| Diagnostic Repair Manual (Pre - 1986)                                 | 063185  | \$10.00 | Wiring diagrams, schematics, operational analysis, troubleshooting and repair of standby / prime power generators manufactured prior to 1986. Manual DOES NOT include transfer switch information. |
| Specifications and Parts  | 068063  | \$25.00 | Gas and diesel engines used with standby / prime power generators manufactured prior to 1988.  |
| Diagnostic Repair Manual (Post - 1986)                                | 079247  | \$25.00 | Operational analysis, troubleshooting, adjustments and repair of standby / prime power systems manufactured after 1986. Includes automatic transfer switch information.                            |
| Diagnostic Repair Manual (Post - 1986) SPANISH                        | 079247S | \$30.00 | 79247 translated for the spanish speaking user   |
| Diagnostic Repair Manual- Pre-packaged Home Standby Systems           | 083045  | \$15.00 | Troubleshooting, adjustment and repair of 5 & 8 kW air-cooled and 10 through 25 kW liquid cooled pre-packaged home standby and EPS generators and transfer switches.                               |
| Diagnostic Repair Manual- "GT" Series Trailer Mounted AC Generators   | 083201  | \$15.00 | Operational analysis, troubleshooting, adjustment and repair of the "GT" series trailer mounted generator (excludes "GT-10").  |
| Diagnostic Repair Manual- "GT-10" Series Trailer Mounted AC Generator | 083201A | \$10.00 | Operational analysis, troubleshooting, adjustment and repair of the "GT-10" series trailer mounted AC generator.   |



### GENERAL DIAGNOSTIC REPAIR AND SERVICE MANUALS (up to 400 kW)

| TITLE OF MANUAL  | PART # | PRICE   | DESCRIPTION  |
|--|--------|---------|--|
| Transfer Switch Diagnostic Repair Manual (Pre- 1986)<br>*see NOTE          | 066858 | \$20.00 | Manual covers operational analysis, troubleshooting, testing and repair of earlier production "GTS" type automatic transfer switches (includes "Y", "T", and "M" types).   |
| Line Failure Transfer Controller- Model 8519-0                             | 057367 | \$10.00 | Instructions and parts listing for early production standby system automatic controller.   |
| Utility Voltage Sensor Retrofit for "GTS" Type automatic transfer switches | 064759 | \$2.00  | Instructions for the field installation of all changes needed to reduce the utility voltage sensor circuit board. Applies to "GTS" type automatic transfer switches.   |
| Owner's Manuals for "GTS" Type automatic transfer switches                 |        | \$20.00 | Owner's Manuals cover transfer switch installation and set-up, as well as operating instructions and repair parts listings. To order Owner's Manuals, specify the transfer switch Model Number, Serial Number, rated amperage, and rated voltage.  |
| Engine Generator Power Systems Installers Guide and Reference (GENERAC)    | 046622 | \$10.00 | Manual covers a wide range of information pertaining to the installation of standby / prime electric power systems. Covered are such topics as generator location and support, air flow needs, cooling air requirements, exhaust systems, fuel systems, AC connection systems, transfer switches, and more. Includes a complete "Specifications and Charts" section. |
| Engine Generator Power Systems Installers Guide and Reference (OLYMPIAN™)  | 087640 | \$10.00 | A wealth of information pertaining to the installation of standby / prime electric power systems. Covers a wide range of topics, including standby generator location and support, air requirements, exhaust systems, fuel systems, transfer switches, AC and DC interconnection systems, and more.  |

**\*NOTE:** For service information on post- 1986 automatic transfer switches, use part #079247 Diagnostic Repair Manual.

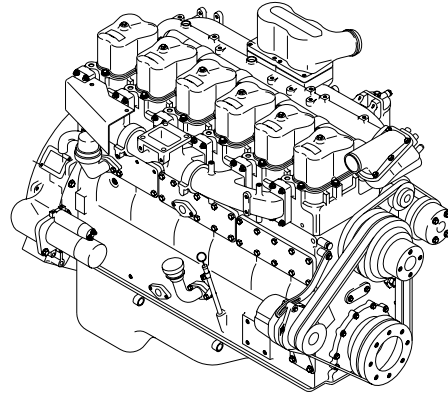


MAINTENANCE

Section 12 – Technical Publications/Service Information

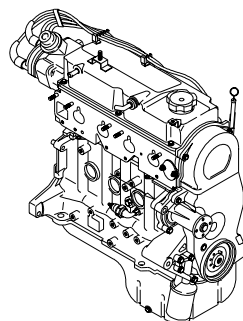
GENERAC® POWER SYSTEMS SCHEDULED MAINTENANCE AND SERVICE INFORMATION

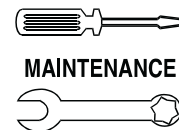
ENGINE SPECIFIC REPAIR MANUALS FOR LIQUID COOLED ENGINES (up to 400 kW)



Each manual covers disassembly, inspection, adjustment and repair of the specified engine.

| ENGINE REPAIR MANUAL                          | PART # | PRICE   |
|---|--------|---------|
| 1.5 Liter Gaseous Engine (Mitsubishi)         | 0C1947 | \$15.00 |
| 1.6 Liter Gaseous Engine                      | 0A1368 | \$15.00 |
| 2.2 Liter Diesel Engine (Mazda)               | 099342 | \$15.00 |
| 2.2 Liter Diesel Engine (Isuzu)               | 0C4768 | \$15.00 |
| 2.4 Liter Diesel Engine (KIA)                 | 0A3024 | \$15.00 |
| 3.0 Liter Diesel Engine (Mazda)               | 099341 | \$15.00 |
| 3.0 Liter Diesel Engine (KIA)                 | TBA    | TBA     |
| 4.0 Liter Diesel Engine (Models 40DT & 40DTA) | 092119 | \$7.50  |
| 4.3 Liter Diesel Engine                       | 093863 | \$10.00 |
| 4.3 Liter Gas Engine (GM)                     | 0C8220 | \$20.00 |
| 5.0 & 7.5 Liter Diesel Engines                | 020033 | \$15.00 |
| 6.4 Liter Diesel Engine                       | 0A8029 | \$20.00 |
| 7.4 Liter Gas Engine (GM)                     | 0C5456 | \$20.00 |
| 12.0 Liter Diesel Engine (Mitsubishi)         | 0C8222 | \$20.00 |
| 13.3 Liter Diesel Engine                      | 0A8028 | \$20.00 |
| 16.0 Liter Diesel Engine (Mitsubishi)         | 0C8222 | \$20.00 |

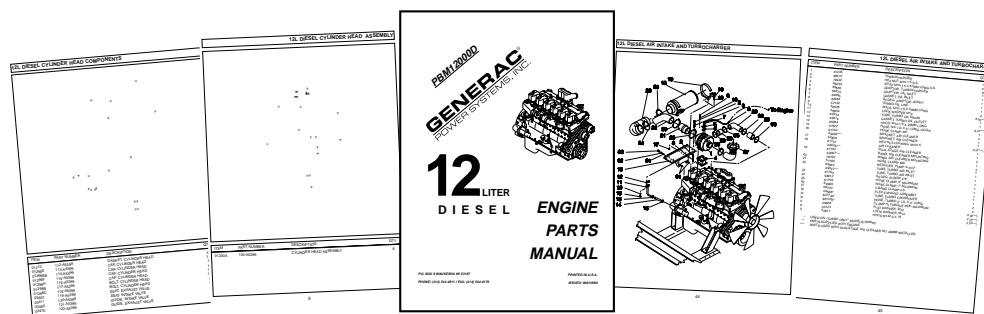


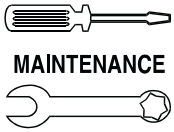


## ENGINE SPECIFIC PARTS MANUALS FOR LIQUID COOLED ENGINES (up to 400 kW)

Each engine parts manual has a complete breakdown of the original manufacturers parts for the specified engine. Also included are exploded views showing parts commonly attached to the engine in a standby/prime power application (i.e. air filters, turbochargers, fuel injection pumps, etc.). For non engine parts requirements, refer to the unit's owner's manual, or use the "Part Smart" parts look-up system.

| <b>ENGINE PARTS MANUAL</b>            | <b>PART #</b> | <b>PRICE</b> |
|---------------------------------------|---------------|--------------|
| 1.0 Liter Diesel Engine               | 010000DPB     | \$3.00       |
| 1.0 / 1.2 Liter Gaseous Engine        | 010000GPB     | \$3.00       |
| 1.3 Liter Gaseous Engine              | 013000GPB     | \$3.00       |
| 1.5 Liter Gaseous Engine              | 015000GPB     | \$3.00       |
| 1.6 Liter Gaseous Engine              | 016000GPB     | \$3.00       |
| 2.2 Liter Diesel Engine (Mazda)       | 022000DPB     | \$3.00       |
| 2.2 Liter Diesel Engine (Isuzu)       | 022000DPBI    | \$3.00       |
| 2.4 Liter Diesel Engine               | 024000DPB     | \$3.00       |
| 3.0 Liter Gaseous Engine              | 030000GPB     | \$3.00       |
| 3.0 Liter Diesel Engine (Mazda)       | 030000DPB     | \$3.00       |
| 3.0 Liter Diesel Engine (KIA)         | 030000DPBK    | \$3.00       |
| 4.0 Liter Diesel Engine               | 040000DPB     | \$3.00       |
| 4.3 Liter Diesel Engine               | 043000DPB     | \$3.00       |
| 5.0 Liter Gaseous Engine              | 050000GPB     | \$3.00       |
| 5.0 Liter Diesel Engine (Series One)  | 050000DPB     | \$3.00       |
| 5.0 Liter Diesel Engine (Series Two)  | 050002DPB     | \$3.00       |
| 5.7 Liter Gaseous Engine              | 057000GPB     | \$3.00       |
| 7.5 Liter Diesel Engine               | 075000DPB     | \$3.00       |
| 12.0 Liter Diesel Engine (Mitsubishi) | 012000DPBM    | \$3.00       |
| 13.3 Liter Gaseous Engine             | 013300GPB     | \$3.00       |
| 13.3 Liter Diesel Engine              | 013300DPB     | \$3.00       |
| 16.0 Liter Diesel Engine (Mitsubishi) | 016500DPB     | \$3.00       |





**ENGINE SPECIFIC REPAIR MANUALS FOR LIQUID COOLED ENGINES** (above 400 kW)

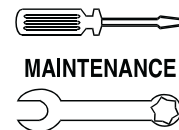
Each manual covers disassembly, inspection, adjustment and repair of the specified engine.

| <b>ENGINE REPAIR MANUAL</b>           | <b>PART #</b> | <b>PRICE</b> |
|---------------------------------------|---------------|--------------|
| 14.6 Liter Diesel Engine (Mitsubishi) | 0D3265        | TBA          |
| 18.5 Liter Diesel Engine (Mitsubishi) | 0D3266        | TBA          |
| 22.0 Liter Diesel Engine ( Daewoo)    | 0D1074        | TBA          |
| 24.0 Liter Gas Engine (Guascor)       | 0D1028        | TBA          |
| 24.5 Liter Diesel Engine (Mitsubishi) | 0D3267        | TBA          |
| 33.9 Liter Diesel Engine (Mitsubishi) | 0D3268        | TBA          |
| 37.0 Liter Diesel Engine (Mitsubishi) | 0D3269        | TBA          |
| 48.0 Liter Gas Engine (Guascor)       | 0D1031        | TBA          |
| 49.0 Liter Diesel Engine (Mitsubishi) | 0D3270        | TBA          |
| 65.4 Liter Diesel Engine (Mitsubishi) | 0D3271        | TBA          |

**ENGINE SPECIFIC PARTS MANUALS FOR LIQUID COOLED ENGINES** (above 400 kW)

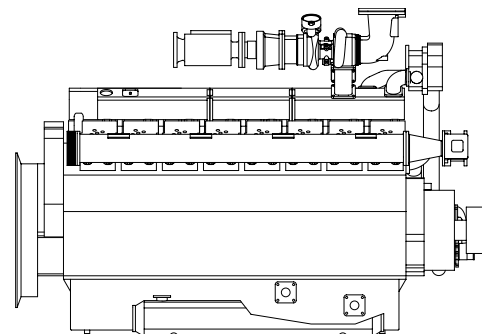
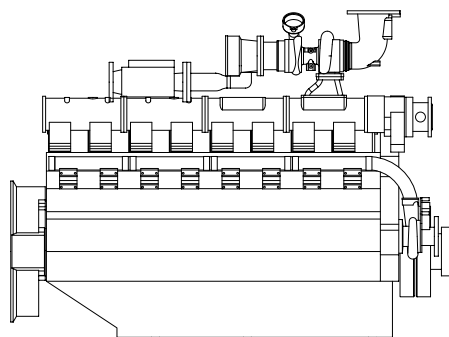
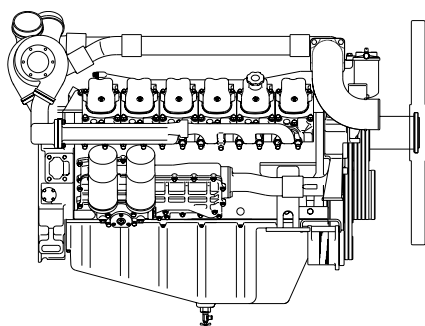
Each engine parts manual has a complete breakdown of the original manufacturers parts for the specified engine.

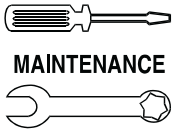
| <b>ENGINE PARTS MANUAL</b>                       | <b>PART #</b> | <b>PRICE</b> |
|--|---------------|--------------|
| 14.6 Liter Diesel Engine (Mitsubishi)            | 0A6929A       | TBA          |
| 18.5 Liter Diesel Engine (Mitsubishi)            | 0A6930A       | TBA          |
| 22.0 Liter Diesel Engine (Daewoo)                | 0D1075        | TBA          |
| 24.0 Liter Gas Engine (Guascor)                  | 0D1027        | TBA          |
| 24.5 Liter Diesel Engine (Mitsubishi)            | 0A6931A       | TBA          |
| 33.9 Liter Diesel Engine (Mitsubishi)            | 0A6932A       | TBA          |
| 37.0 Liter Diesel Engine (Mitsubishi)            | 0A6933A       | TBA          |
| 48.0 Liter Gas Engine (Guascor)                  | 0D1032        | TBA          |
| 49.0 Liter Diesel Engine (Mitsubishi S12R-PTA)   | 0C3493        | TBA          |
| 49.0 Liter Diesel Engine (Mitsubishi S12R-PTA2)  | 0C3496        | TBA          |
| 49.0 Liter Diesel Engine (Mitsubishi S12R-PTAA2) | 0C5007        | TBA          |
| 65.4 Liter Diesel Engine (Mitsubishi S16R-PTA)   | 0C3491        | TBA          |
| 65.4 Liter Diesel Engine (Mitsubishi S16R-PTA2)  | 0C3498        | TBA          |
| 65.4 Liter Diesel Engine (Mitsubishi S16R-PTAA2) | 0C3499        | TBA          |



**OPERATION AND MAINTENANCE MANUALS** (above 400 kW)

| <b>OPERATION AND MAINTENANCE MANUAL</b>                   | <b>PART #</b> | <b>PRICE</b> |
|---|---------------|--------------|
| 14.6 Liter Diesel Engine (Mitsubishi)                     | 0A6929        | TBA          |
| 18.5 Liter Diesel Engine (Mitsubishi)                     | 0A6930        | TBA          |
| 22.0 Liter Diesel Engine (Daewoo)                         | 0D1077        | TBA          |
| 24.0 Liter Gas Engine (Guascor)                           | 0D1029        | TBA          |
| 24.5 Liter Diesel Engine (Mitsubishi)                     | 0A6931        | TBA          |
| 33.9 Liter Diesel Engine (Mitsubishi)                     | 0A6932        | TBA          |
| 37.0 Liter Diesel Engine (Mitsubishi)                     | 0A6933        | TBA          |
| 48.0 Liter Gas Engine (Guascor)                           | 0D1030        | TBA          |
| 49.0 Liter Diesel Engine (Mitsubishi)                     | 0C3494        | TBA          |
| 65.4 Liter Diesel Engine (Mitsubishi)                     | 0C3495        | TBA          |
| Mitsubishi 400 kW - 1020 kW Gensets (Generac)             | 0A9910        | TBA          |
| Mitsubishi 1020 kW - 2000 kW Gensets (Generac)            | 0C3540        | TBA          |
| Daewoo 500 kW & 600 kW Gensets (Generac)                  | 0C9971        | TBA          |
| Guascor 500 kW & 950 kW Gensets (Generac)                 | TBA           | TBA          |
| Altronics CPU-95 Ignition System for Guascor Engines      | 0C8255        | TBA          |
| Woodward EGS-01 Engine Control System for Guascor Engines | 0C8256        | TBA          |





## ATTENTION GENERAC DEALERS

*Generac Power Systems is pleased to offer the following CDs containing the installation, diagnostic, service and repair information for Standby Power generators.*

*These individual CDs contain all the information required by our dealers to install and service the specified product. We still have the paper manuals, however, when one of our dealers is at a remote site or a customer's home, they can turn on their laptop, load the CD, and everything is at their fingertips.*

*The CDs are available through your normal source of supply. Registration of each disc will keep the original purchaser informed of updated CDs as and when they become available.*

### Installation, Diagnostic, Service and Repair Information for Standby/Prime Power Generators — Order Part #0C3409

#### CD Contents:



Order Part #0C3409

**\$49.95 (net)**

#### ***Installation and Diagnostic Manuals***

- 46622 — Engine-Generator Standby Electric Power Systems *Installer's Guide and Reference*
- 63185 — Diagnostic Repair Manual (Pre-1986)
- 79247 — Diagnostic Repair Manual (Post-1986)
- 79247S — Diagnostic Repair Manual ( Post-1986)  
(Spanish Language Version)
- 87691 — Wiring Diagrams and Electrical Schematics
- C3410 — Rotor and Stator Resistance Tables

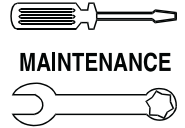
#### ***Engine Service Manuals***

- A1368 — 1.6 Liter Gas
- 99342 — 2.2 Liter Diesel
- A3024 — 2.4 Liter Diesel
- 99341 —3.0 Liter Diesel
- 92119 —4.0 Liter Diesel
- 93863 —4.3 Liter Diesel
- 20033 —5.0/7.5 Liter Diesel
- A8029 —6.4 Liter Diesel
- A8028 —13.3 Liter Diesel

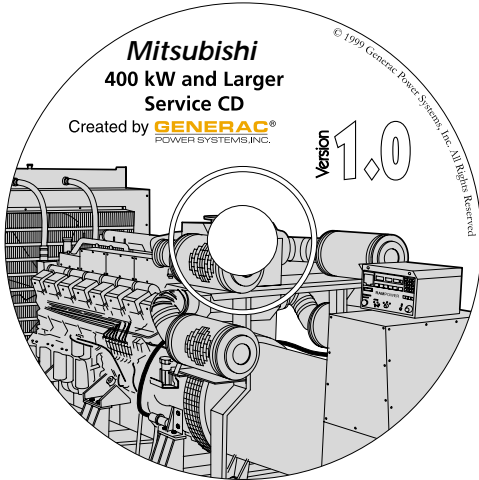
#### ***Engine Parts Manuals***

- All Gas and Diesel Engines, 1.0 Liter through 13.3 Liter

***Plus Additional Reference Materials, Educational Manuals and Product Brochures***



### Mitsubishi 400 kW and Larger Service CD— Order Part #0C4754



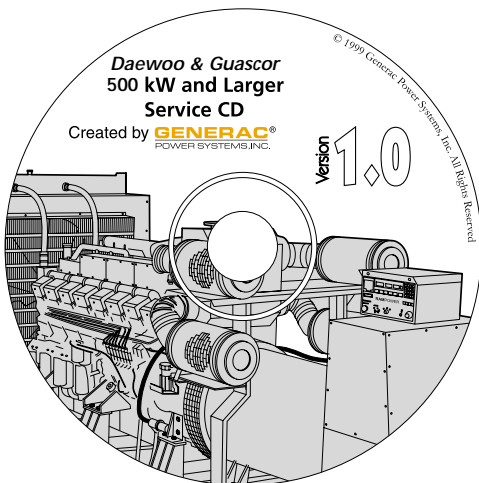
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#### CD Contents:

- Mitsubishi Service, Parts, Operation and Maintenance Manuals for 14.6 to 65.4 Liter Engines
- Scheduled Maintenance Programs and Checklists
- Diagnostic Manuals for Generac Control Panels, Remote Annunciators and Transfer Switches
- Large Genset Specification Sheets
- Large Genset Wiring Diagrams
- Generac Transfer Switch Schematics
- Voltage Regulator Installation, Operation and Maintenance Manuals

### Daewoo and Guascor 500 kW and Larger Service CD— Order Part #0D3198



Order Part #0D3198

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#### CD Contents:

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- Scheduled Maintenance Programs and Checklists
- Diagnostic Manuals for Generac Control Panels, Remote Annunciators and Transfer Switches
- Diagnostic Manuals for Ancillary Engine Control Devices
- Large Genset Specification Sheets
- Large Genset Wiring Diagrams
- Generac Transfer Switch Schematics
- Voltage Regulator Installation, Operation and Maintenance Manuals

Minimum system requirements for the use of these CDs:

- 386,486 or Pentium® processor based personal computer
- Microsoft Windows 3.1, Windows 95 or Windows NT® 3.51 or later
- 16MB of RAM
- CD-ROM drive

**GENERAC® POWER SYSTEMS, INC.**

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